

Che Ting Chan

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BIBLIOGRAPHICAL SUMMARY

Born: September 15, 1957

Citizenship: U. S. A.

Marital Status: Married

EDUCATION

Ph.D. University of California at Berkeley, 1985

B.Sc. University of Hong Kong, 1980

EMPLOYMENT

2005-present Chair Professor of Physics

2001-2005 Professor of Physics

1995-2001 Associate Professor of Physics, HKUST

1992-1995 Physicist, Ames Laboratory-USDOE

1988-92 Associate Physicist, Ames Laboratory-USDOE

1986-88 Postdoctoral Fellow, Ames Laboratory-USDOE

AWARDS AND PROFESSIONAL RECOGNITIONS

- Outstanding Scientific Accomplishment Award - Solid State Physics, U.S. Department of Energy Material Science Research Competition (1992)
- Fellow, American Physical Society (since 1996)
- Michael Gale Medal for Distinguished Teaching, HKUST (1999)
- Achievement in Asia Award of the Overseas Chinese Physics Association (2000)
- Croucher Senior Research Fellow (2010)
- Co-recipient of the Brillouin Medal of the International Phononics Society (2013)

OTHER APPOINTMENTS (Administrative)

- Director, Center for Metamaterial Research (2012-)
- Executive Director, Institute for Advanced Study of HKUST (2012-)
- Interim Director, Institute for Advanced Study of HKUST (July – Dec 2010)
- Director of William Mong Institute of NanoScience & Technology (2007-2012)
- Director of Institute of NanoMaterial and NanoTechnology (2003-2006)

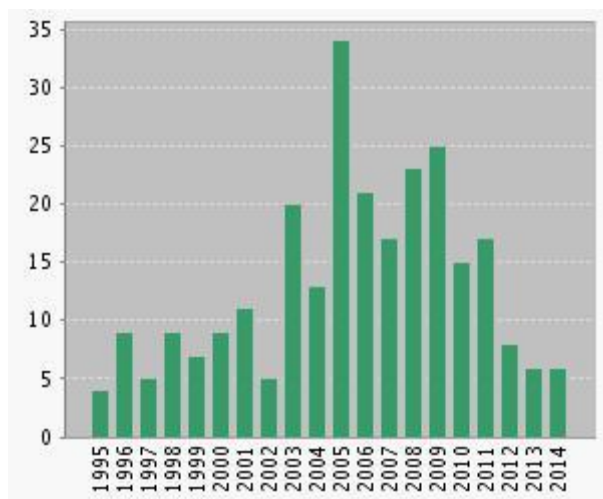
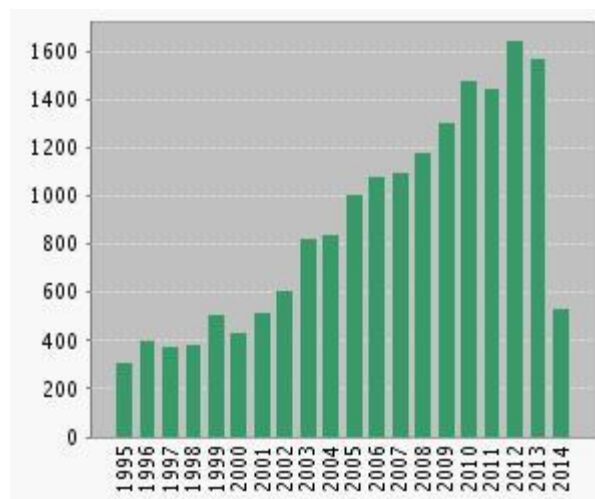
SERVICE TO ACADEMIC COMMUNITY

- Co-Editor: Europhysics Letters (2011-2014)
- Advisory Board: Photonics and Nanostructures - Fundamentals and Applications
- Editorial Board: Physical Review B

WEB OF SCIENCE™

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AUTHOR: (chan c t OR Chan ct) AND ADDRESS: (Hong Kong Univ Sci & Technol OR Ames OR Berkeley)**Timespan=1983-2014****Published Items in Each Year****Citations in Each Year****Results found:****353****Sum of the Times Cited:****18836****Sum of Times Cited without self-citations****18070****Citing Articles****13262****Citing Articles without self-citations****12988****Average Citations per Item:****53.36****h-index:****72**

Record 1 of 353

Title: Phonon spectrum and electron-phonon coupling in zigzag graphene nanoribbons

Author(s): Zhang, T (Zhang, Ting); Heid, R (Heid, Rolf); Bohnen, KP (Bohnen, Klaus-Peter); Sheng, P (Sheng, Ping); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 89 **Issue:** 20 **Article**

Number: 205404 **DOI:** 10.1103/PhysRevB.89.205404 **Published:** MAY 6 2014

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 1098-0121

eISSN: 1550-235X

Record 2 of 353

Title: Surface Impedance and Bulk Band Geometric Phases in One-Dimensional Systems

Author(s): Xiao, M (Xiao, Meng); Zhang, ZQ (Zhang, Z. Q.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW X **Volume:** 4 **Issue:** 2 **Article**

Number: 021017 **DOI:** 10.1103/PhysRevX.4.021017 **Published:** APR 25 2014

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 2160-3308

Record 3 of 353

Title: Lateral optical force on chiral particles near a surface

Author(s): Wang, SB (Wang, S. B.); Chan, CT (Chan, C. T.)

Source: NATURE COMMUNICATIONS **Volume:** 5 **Article**

Number: 3307 **DOI:** 10.1038/ncomms4307 **Published:** MAR 2014

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 2041-1723

Record 4 of 353

Title: Arbitrary Control of Electromagnetic Flux in Inhomogeneous Anisotropic Media with Near-Zero Index

Author(s): Luo, J (Luo, Jie); Lu, WX (Lu, WeiXin); Hang, ZH (Hang, ZhiHong); Chen, HY (Chen, HuanYang); Hou, B (Hou, Bo); Lai, Y (Lai, Yun); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 112 **Issue:** 7 **Article**

Number: 073903 **DOI:** 10.1103/PhysRevLett.112.073903 **Published:** FEB 21 2014

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 0031-9007

eISSN: 1079-7114

Record 5 of 353

Title: Measurement of Enhanced Radiation Force on a Parallel Metallic-Plate System in the Microwave Regime

Author(s): Marcet, Z (Marcet, Z.); Hang, ZH (Hang, Z. H.); Wang, SB (Wang, S. B.); Ng, J (Ng, J.); Chan, CT (Chan, C. T.); Chan, HB (Chan, H. B.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 112 **Issue:** 4 **Article**

Number: 045504 **DOI:** 10.1103/PhysRevLett.112.045504 **Published:** JAN 28 2014

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 0031-9007

eISSN: 1079-7114

Record 6 of 353

Title: Modeling quasi-3D chiral metamaterials fabricated by shadowing vapor deposition

Author(s): Leung, HM (Leung, Ho Ming); Han, CR (Han, Chunrui); Li, YH (Li, Yunhui); Chan, CT (Chan, C. T.); Tam, WY (Tam, Wing Yim)

Source: JOURNAL OF OPTICS **Volume:** 16 **Issue:** 1 **Article**

Number: 015102 **DOI:** 10.1088/2040-8978/16/1/015102 **Published:** JAN 2014

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 2040-8978

eISSN: 2040-8986

Record 7 of 353

Title: Optical waves in a gradient negative-index lens of a half-infinite length

Author(s): Ding, YS (Ding, Yi S.); Chan, CT (Chan, C. T.); Wang, RP (Wang, R. P.)

Source: SCIENTIFIC REPORTS **Volume:** 3 **Article Number:** 2954 **DOI:** 10.1038/srep02954 **Published:** OCT 16 2013

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 2045-2322

Record 8 of 353

Title: Microwave-induced elastic deformation of a metallic thin film

Author(s): Wang, SB (Wang, S. B.); Chan, CT (Chan, C. T.)

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 46 **Issue:** 39 **Article**

Number: 395104 **DOI:** 10.1088/0022-3727/46/39/395104 **Published:** OCT 2 2013

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 0022-3727

Record 9 of 353

Title: Light Amplification with Low-Gain Material: Harvesting Harmonic Resonance Modes of Surface Plasmon Polaritons on a Magnetic Meta-Surface

Author(s): Cao, Y (Cao, Yang); Wei, ZY (Wei, Zeyong); Li, W (Li, Wei); Fang, AA (Fang, Anan); Li, HQ (Li, Hongqiang); Jiang, XY (Jiang, Xunya); Chen, H (Chen, Hong); Chan, CT (Chan, C. T.)

Source: PLASMONICS **Volume:** 8 **Issue:** 2 **Pages:** 793-796 **DOI:** 10.1007/s11468-012-9474-x **Published:** JUN 2013

Times Cited in Web of Science: 1

Total Times Cited: 1

ISSN: 1557-1955

Record 10 of 353

Title: Experimental Observation of Negative Effective Gravity in Water Waves

Author(s): Hu, XH (Hu, Xinhua); Yang, J (Yang, Jiong); Zi, J (Zi, Jian); Chan, CT (Chan, C. T.); Ho, KM (Ho, Kai-Ming)

Source: SCIENTIFIC REPORTS **Volume:** 3 **Article**

Number: 1916 **DOI:** 10.1038/srep01916 **Published:** MAY 29 2013

Times Cited in Web of Science: 1

Total Times Cited: 1

ISSN: 2045-2322

Record 11 of 353

Title: Thermal coherence properties of topological insulator slabs in time-reversal symmetry breaking fields

Author(s): Xiao, X (Xiao, Xiao); Li, S (Li, S.); Law, KT (Law, K. T.); Hou, B (Hou, Bo); Chan, CT (Chan, C. T.); Wen, WJ (Wen, Weijia)

Source: PHYSICAL REVIEW B **Volume:** 87 **Issue:** 20 **Article**

Number: 205424 **DOI:** 10.1103/PhysRevB.87.205424 **Published:** MAY 20 2013

Times Cited in Web of Science: 1

Total Times Cited: 1

ISSN: 1098-0121

Record 12 of 353

Title: Electronic and optical properties of bundled single-walled carbon nanotubes investigated by the first-principles method

Author(s): Cho, TH (Cho, T. H.); Su, WS (Su, W. S.); Leung, TC (Leung, T. C.); Ren, W (Ren, Wei); Chan, CT (Chan, C. T.)

Source: COMPUTER PHYSICS

COMMUNICATIONS **Volume:** 184 **Issue:** 4 **Pages:** 1077-1085 **DOI:** 10.1016/j.cpc.2012.11.011 **Published:**
APR 2013

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 0010-4655

Record 13 of 353

Title: On the time evolution of the cloaking effect of a metamaterial slab

Author(s): Xiao, M (Xiao, Meng); Huang, XQ (Huang, Xueqin); Dong, JW (Dong, Jian-Wen); Chan, CT (Chan, C. T.)

Source: OPTICS LETTERS **Volume:** 37 **Issue:** 22 **Pages:** 4594-4596 **Published:** NOV 15 2012

Times Cited in Web of Science: 3

Total Times Cited: 3

ISSN: 0146-9592

Record 14 of 353

Title: On the transition between complementary medium and zero-refractive-index medium

Author(s): Wang, F (Wang, Fan); Chan, CT (Chan, C. T.)

Source: EPL **Volume:** 99 **Issue:** 6 **Article**

Number: 67002 **DOI:** 10.1209/0295-5075/99/67002 **Published:** SEP 2012

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 0295-5075

Record 15 of 353

Title: Enhanced electromagnetic pressure in a sandwiched reflection grating

Author(s): Huang, CP (Huang, C. P.); Wang, SB (Wang, S. B.); Yin, XG (Yin, X. G.); Zhang, Y (Zhang, Y.); Liu, H (Liu, H.); Zhu, YY (Zhu, Y. Y.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 86 **Issue:** 8 **Article**

Number: 085446 **DOI:** 10.1103/PhysRevB.86.085446 **Published:** AUG 23 2012

Times Cited in Web of Science: 3

Total Times Cited: 3

ISSN: 1098-0121

eISSN: 1550-235X

Record 16 of 353

Title: First-principles study of Dirac and Dirac-like cones in phononic and photonic crystals

Author(s): Mei, J (Mei, Jun); Wu, Y (Wu, Ying); Chan, CT (Chan, C. T.); Zhang, ZQ (Zhang, Zhao-Qing)

Source: PHYSICAL REVIEW B **Volume:** 86 **Issue:** 3 **Article**
Number: 035141 **DOI:** 10.1103/PhysRevB.86.035141 **Published:** JUL 24 2012
Times Cited in Web of Science: 10
Total Times Cited: 10
ISSN: 1098-0121
eISSN: 1550-235X

Record 17 of 353

Title: Deep subwavelength Fabry-Perot-like resonances in a sandwiched reflection grating
Author(s): Huang, CP (Huang, C. P.); Yin, XG (Yin, X. G.); Zhang, Y (Zhang, Y.); Wang, SB (Wang, S. B.); Zhu, YY (Zhu, Y. Y.); Liu, H (Liu, H.); Chan, CT (Chan, C. T.)
Source: PHYSICAL REVIEW B **Volume:** 85 **Issue:** 23 **Article**
Number: 235410 **DOI:** 10.1103/PhysRevB.85.235410 **Published:** JUN 6 2012
Times Cited in Web of Science: 6
Total Times Cited: 6
ISSN: 1098-0121

Record 18 of 353

Title: Dirac cones at $k=0$ in acoustic crystals and zero refractive index acoustic materials
Author(s): Liu, FM (Liu, Fengming); Huang, XQ (Huang, Xueqin); Chan, CT (Chan, C. T.)
Source: APPLIED PHYSICS LETTERS **Volume:** 100 **Issue:** 7 **Article**
Number: 071911 **DOI:** 10.1063/1.3686907 **Published:** FEB 13 2012
Times Cited in Web of Science: 15
Total Times Cited: 15
ISSN: 0003-6951

Record 19 of 353

Title: Visible range lasing in dye-doped doubly periodic layered structures in dichromate gelatin emulsions
Author(s): Wang, X (Wang, Xia); Kok, MH (Kok, Mang Hin); Lu, WX (Lu, Weixin); Lee, JCW (Lee, Jeffrey Chi Wai); Tam, WY (Tam, Wing Yim); Wong, GKL (Wong, George K. L.); Chan, CT (Chan, C. T.)
Source: JOURNAL OF OPTICS **Volume:** 14 **Issue:** 1 **Article**
Number: 015104 **DOI:** 10.1088/2040-8978/14/1/015104 **Published:** JAN 2012
Times Cited in Web of Science: 2
Total Times Cited: 2
ISSN: 2040-8978

Record 20 of 353

Title: Physics of the zero- n -bar photonic gap: fundamentals and latest developments
Author(s): Zhou, L (Zhou, Lei); Song, ZY (Song, Zhengyong); Huang, XQ (Huang, Xueqin); Chan, CT (Chan, C.

T.)

Source: NANOPHOTONICS **Volume:** 1 **Issue:** 3-4 **Pages:** 181-198 **DOI:** 10.1515/nanoph-2012-0020 **Published:** 2012

Times Cited in Web of Science: 1

Total Times Cited: 1

ISSN: 2192-8606

eISSN: 2192-8614

Record 21 of 353

Title: Dirac cones at $k=0$ in phononic crystals

Author(s): Liu, FM (Liu, Fengming); Lai, Y (Lai, Yun); Huang, XQ (Huang, Xueqin); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 84 **Issue:** 22 **Article**

Number: 224113 **DOI:** 10.1103/PhysRevB.84.224113 **Published:** DEC 22 2011

Times Cited in Web of Science: 13

Total Times Cited: 13

ISSN: 1098-0121

Record 22 of 353

Title: Linear and nonlinear Fano resonance on two-dimensional magnetic metamaterials

Author(s): Liu, H (Liu, H.); Li, GX (Li, G. X.); Li, KF (Li, K. F.); Chen, SM (Chen, S. M.); Zhu, SN (Zhu, S. N.); Chan, CT (Chan, C. T.); Cheah, KW (Cheah, K. W.)

Source: PHYSICAL REVIEW B **Volume:** 84 **Issue:** 23 **Article**

Number: 235437 **DOI:** 10.1103/PhysRevB.84.235437 **Published:** DEC 22 2011

Times Cited in Web of Science: 9

Total Times Cited: 9

ISSN: 1098-0121

Record 23 of 353

Title: Near Field Imaging from Multi layer Lens

Author(s): Li, GX (Li, Guixin); Li, JS (Li, Jensen); Tam, HL (Tam, H. L.); Chan, CT (Chan, C. T.); Cheah, KW (Cheah, K. W.)

Source: JOURNAL OF NANOSCIENCE AND

NANOTECHNOLOGY **Volume:** 11 **Issue:** 12 **Pages:** 10725-10728 **DOI:** 10.1166/jnn.2011.4086 **Published:** DEC 2011

Times Cited in Web of Science: 1

Total Times Cited: 1

Conference Title: 3rd IEEE International NanoElectronics Conference (INEC)/Symposium on Nanoscience and Nanotechnology in China

Conference Date: JAN 03-08, 2010

Conference Location: Hong Kong, PEOPLES R CHINA

Conference Host: City Univ Hong Kong

ISSN: 1533-4880

Record 24 of 353

Title: Optical pulling force

Author(s): Chen, J (Chen, Jun); Ng, J (Ng, Jack); Lin, ZF (Lin, Zhifang); Chan, CT (Chan, C. T.)

Source: NATURE

PHOTONICS Volume: 5 **Issue:** 9 **Pages:** 531-534 **DOI:** 10.1038/NPHOTON.2011.153 **Published:** SEP 2011

Times Cited in Web of Science: 81

Total Times Cited: 85

ISSN: 1749-4885

Record 25 of 353

Title: Sizable electromagnetic forces in parallel-plate metallic cavity

Author(s): Wang, SB (Wang, S. B.); Ng, J (Ng, Jack); Liu, H (Liu, H.); Zheng, H (Zheng, H.); Hang, ZH (Hang, Z. H.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 84 **Issue:** 7 **Article**

Number: 075114 **DOI:** 10.1103/PhysRevB.84.075114 **Published:** AUG 5 2011

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 1098-0121

Record 26 of 353

Title: Dirac cones induced by accidental degeneracy in photonic crystals and zero-refractive-index materials

Author(s): Huang, XQ (Huang, Xueqin); Lai, Y (Lai, Yun); Hang, ZH (Hang, Zhi Hong); Zheng, HH (Zheng, Huihuo); Chan, CT (Chan, C. T.)

Source: NATURE

MATERIALS Volume: 10 **Issue:** 8 **Pages:** 582-586 **DOI:** 10.1038/NMAT3030 **Published:** AUG 2011

Times Cited in Web of Science: 87

Total Times Cited: 88

ISSN: 1476-1122

Record 27 of 353

Title: Strong plasmon coupling between two gold nanospheres on a gold slab

Author(s): Liu, H (Liu, H.); Ng, J (Ng, J.); Wang, SB (Wang, S. B.); Hang, ZH (Hang, Z. H.); Chan, CT (Chan, C. T.); Zhu, SN (Zhu, S. N.)

Source: NEW JOURNAL OF PHYSICS **Volume:** 13 **Article**

Number: 073040 **DOI:** 10.1088/1367-2630/13/7/073040 **Published:** JUL 29 2011

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 1367-2630

Record 28 of 353

Title: Observation of Backscattering-Immune Chiral Electromagnetic Modes Without Time Reversal Breaking

Author(s): Chen, WJ (Chen, Wen-Jie); Hang, ZH (Hang, Zhi Hong); Dong, JW (Dong, Jian-Wen); Xiao, X (Xiao, Xiao); Wang, HZ (Wang, He-Zhou); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 107 **Issue:** 2 **Article**

Number: 023901 **DOI:** 10.1103/PhysRevLett.107.023901 **Published:** JUL 6 2011

Times Cited in Web of Science: 10

Total Times Cited: 10

ISSN: 0031-9007

Record 29 of 353

Title: Propagation dynamics of femtosecond pulse through subwavelength metallic hole arrays

Author(s): Su, HM (Su, H. M.); Hang, ZH (Hang, Z. H.); Marcet, Z (Marcet, Z.); Chan, HB (Chan, H. B.); Chan, CT (Chan, C. T.); Wong, KS (Wong, K. S.)

Source: PHYSICAL REVIEW B **Volume:** 83 **Issue:** 24 **Article**

Number: 245449 **DOI:** 10.1103/PhysRevB.83.245449 **Published:** JUN 29 2011

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 1098-0121

Record 30 of 353

Title: Analytical properties of the plasmon decay profile in a periodic metal-nanoparticle chain

Author(s): Fung, KH (Fung, Kin Hung); Tang, RCH (Tang, Ross Chin Hang); Chan, CT (Chan, C. T.)

Source: OPTICS LETTERS **Volume:** 36 **Issue:** 12 **Pages:** 2206-2208 **Published:** JUN 15 2011

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0146-9592

Record 31 of 353

Title: Spin-polarized electron transport through graphene nanoribbon with zigzag edges

Author(s): Ding, GH (Ding, Guo-Hui); Chan, CT (Chan, C. T.)

Source: JOURNAL OF PHYSICS-CONDENSED MATTER **Volume:** 23 **Issue:** 20 **Article**

Number: 205304 **DOI:** 10.1088/0953-8984/23/20/205304 **Published:** MAY 25 2011

Times Cited in Web of Science: 7

Total Times Cited: 7

ISSN: 0953-8984

Record 32 of 353

Title: Negative Effective Gravity in Water Waves by Periodic Resonator Arrays

Author(s): Hu, XH (Hu, Xinhua); Chan, CT (Chan, C. T.); Ho, KM (Ho, Kai-Ming); Zi, J (Zi, Jian)

Source: PHYSICAL REVIEW LETTERS **Volume:** 106 **Issue:** 17 **Article**

Number: 174501 **DOI:** 10.1103/PhysRevLett.106.174501 **Published:** APR 27 2011

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0031-9007

eISSN: 1079-7114

Record 33 of 353

Title: Metamaterial slab as a lens, a cloak, or an intermediate

Author(s): Dong, JW (Dong, Jian-Wen); Zheng, HH (Zheng, Hui Huo); Lai, Y (Lai, Yun); Wang, HZ (Wang, He-Zhou); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 83 **Issue:** 11 **Article**

Number: 115124 **DOI:** 10.1103/PhysRevB.83.115124 **Published:** MAR 15 2011

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 1098-0121

Record 34 of 353

Title: Experimental Realization of Self-Guiding Unidirectional Electromagnetic Edge States

Author(s): Poo, Y (Poo, Yin); Wu, RX (Wu, Rui-xin); Lin, ZF (Lin, Zhifang); Yang, Y (Yang, Yan); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 106 **Issue:** 9 **Article**

Number: 093903 **DOI:** 10.1103/PhysRevLett.106.093903 **Published:** MAR 2 2011

Times Cited in Web of Science: 49

Total Times Cited: 53

ISSN: 0031-9007

Record 35 of 353

Title: Strong Light-Induced Negative Optical Pressure Arising from Kinetic Energy of Conduction Electrons in Plasmon-Type Cavities

Author(s): Liu, H (Liu, H.); Ng, J (Ng, Jack); Wang, SB (Wang, S. B.); Lin, ZF (Lin, Z. F.); Hang, ZH (Hang, Z. H.); Chan, CT (Chan, C. T.); Zhu, SN (Zhu, S. N.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 106 **Issue:** 8 **Article**

Number: 087401 **DOI:** 10.1103/PhysRevLett.106.087401 **Published:** FEB 24 2011

Times Cited in Web of Science: 17

Total Times Cited: 18

ISSN: 0031-9007

Record 36 of 353

Title: Manipulating sources using transformation optics with 'folded geometry'

Author(s): Lai, Y (Lai, Yun); Zheng, HH (Zheng, Huihuo); Zhang, ZQ (Zhang, Zhao-Qing); Chan, CT (Chan, C. T.)

Source: JOURNAL OF OPTICS **Volume:** 13 **Issue:** 2 **Article**

Number: 024009 **DOI:** 10.1088/2040-8978/13/2/024009 **Published:** FEB 2011

Times Cited in Web of Science: 4

Total Times Cited: 5

ISSN: 2040-8978

eISSN: 2040-8986

Record 37 of 353

Title: Dirac cone and double zero materials

Author(s): Chan, CT (Chan, C. T.); Huang, XQ (Huang, Xueqin); Lai, Y (Lai, Yun); Hang, ZH (Hang, Zhi Hong); Zheng, HH (Zheng, Huihuo)

Edited by: Chigrin DN

Source: FOURTH INTERNATIONAL WORKSHOP ON THEORETICAL AND COMPUTATIONAL NANOPHOTONICS (TACONA-PHOTONICS 2011) **Book Series:** AIP Conference

Proceedings **Volume:** 1398 **DOI:**10.1063/1.3644199 **Published:** 2011

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: 4th International Workshop on Theoretical and Computational Nanophotonics (TaCoNa-Photonics)

Conference Date: OCT 26-28, 2011

Conference Location: Bad Honnef, GERMANY

ISSN: 0094-243X

ISBN: 978-0-7354-0968-2

Record 38 of 353

Title: Theory and Experimental Realization of Negative Refraction in a Metallic Helix Array

Author(s): Wu, C (Wu, Chao); Li, HQ (Li, Hongqiang); Wei, ZY (Wei, Zeyong); Yu, XT (Yu, Xiaotong); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 105 **Issue:** 24 **Article**

Number: 247401 **DOI:** 10.1103/PhysRevLett.105.247401 **Published:** DEC 9 2010

Times Cited in Web of Science: 16

Total Times Cited: 17

ISSN: 0031-9007

Record 39 of 353

Title: Experimental Realization of a Circuit-Based Broadband Illusion-Optics Analogue

Author(s): Li, C (Li, Chao); Meng, XK (Meng, Xiankun); Liu, XA (Liu, Xiao); Li, F (Li, Fang); Fang, GY (Fang, Guangyou); Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 105 **Issue:** 23 **Article**

Number: 233906 **DOI:** 10.1103/PhysRevLett.105.233906 **Published:** DEC 2 2010

Times Cited in Web of Science: 34

Total Times Cited: 34

ISSN: 0031-9007

Record 40 of 353

Title: Spatially coherent surface resonance states derived from magnetic resonances

Author(s): Wei, ZY (Wei, Zeyong); Li, HQ (Li, Hongqiang); Cao, Y (Cao, Yang); Wu, C (Wu, Chao); Ren, JZ (Ren, Jinzhi); Hang, ZH (Hang, Zhihong); Chen, H (Chen, Hong); Zhang, DZ (Zhang, Daozhong); Chan, CT (Chan, C. T.)

Source: NEW JOURNAL OF PHYSICS **Volume:** 12 **Article**

Number: 093020 **DOI:** 10.1088/1367-2630/12/9/093020 **Published:** SEP 15 2010

Times Cited in Web of Science: 6

Total Times Cited: 6

ISSN: 1367-2630

Record 41 of 353

Title: Illusion optics

Author(s): Lai, Y (Lai, Yun); Ng, J (Ng, Jack); Chen, HY (Chen, Huan-yang); Zhang, ZQ (Zhang, Zhao-qing); Chan, CT (Chan, C. T.)

Source: FRONTIERS OF PHYSICS IN

CHINA **Volume:** 5 **Issue:** 3 **Pages:** 308-318 **DOI:** 10.1007/s11467-010-0008-8 **Published:** SEP 2010

Times Cited in Web of Science: 9

Total Times Cited: 9

ISSN: 1673-3487

Record 42 of 353

Title: Graded index photonic hole: Analytical and rigorous full wave solution

Author(s): Liu, SY (Liu, Shiyang); Li, L (Li, Li); Lin, ZF (Lin, Zhifang); Chen, HY (Chen, H. Y.); Zi, J (Zi, Jian); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 82 **Issue:** 5 **Article**

Number: 054204 **DOI:** 10.1103/PhysRevB.82.054204 **Published:** AUG 27 2010

Times Cited in Web of Science: 11

Total Times Cited: 11

ISSN: 1098-0121

Record 43 of 353

Title: Optical transmission through double-layer, laterally shifted metallic subwavelength hole arrays

Author(s): Marcet, Z (Marcet, Z.); Hang, ZH (Hang, Z. H.); Chan, CT (Chan, C. T.); Kravchenko, I (Kravchenko, I.); Bower, JE (Bower, J. E.); Cirelli, RA (Cirelli, R. A.); Klemens, F (Klemens, F.); Mansfield, WM (Mansfield, W. M.); Miner, JF (Miner, J. F.); Pai, CS (Pai, C. S.); Chan, HB (Chan, H. B.)

Source: OPTICS LETTERS **Volume:** 35 **Issue:** 13 **Pages:** 2124-2126 **Published:** JUL 1 2010

Times Cited in Web of Science: 8

Total Times Cited: 9

ISSN: 0146-9592

Record 44 of 353

Title: Anomalous reflection from hybrid metamaterial slab

Author(s): Wei, ZY (Wei, Zeyong); Li, HQ (Li, Hongqiang); Wu, C (Wu, Chao); Cao, Y (Cao, Yang); Ren, JZ (Ren, Jinzhi); Hang, ZH (Hang, Zhihong); Chen, H (Chen, Hong); Zhang, DZ (Zhang, Daozhong); Chan, CT (Chan, C. T.)

Source: OPTICS EXPRESS **Volume:** 18 **Issue:** 12 **Pages:** 12119-12126 **Published:** JUN 7 2010

Times Cited in Web of Science: 6

Total Times Cited: 6

ISSN: 1094-4087

Record 45 of 353

Title: Exterior optical cloaking and illusions by using active sources: A boundary element perspective

Author(s): Zheng, HH (Zheng, H. H.); Xiao, JJ (Xiao, J. J.); Lai, Y (Lai, Y.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 81 **Issue:** 19 **Article**

Number: 195116 **DOI:** 10.1103/PhysRevB.81.195116 **Published:** MAY 15 2010

Times Cited in Web of Science: 11

Total Times Cited: 12

ISSN: 1098-0121

Record 46 of 353

Title: Transformation optics and metamaterials

Author(s): Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.); Sheng, P (Sheng, Ping)

Source: NATURE

MATERIALS Volume: 9 **Issue:** 5 **Pages:** 387-396 **DOI:** 10.1038/nmat2743 **Published:** MAY 2010

Times Cited in Web of Science: 262

Total Times Cited: 265

ISSN: 1476-1122

Record 47 of 353

Title: Acoustic cloaking and transformation acoustics

Author(s): Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 43 **Issue:** 11 **Article**

Number: 113001 **DOI:** 10.1088/0022-3727/43/11/113001 **Published:** MAR 24 2010

Times Cited in Web of Science: 67

Total Times Cited: 70

ISSN: 0022-3727

Record 48 of 353

Title: Theory of Optical Trapping by an Optical Vortex Beam

Author(s): Ng, J (Ng, Jack); Lin, ZF (Lin, Zhifang); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 104 **Issue:** 10 **Article**

Number: 103601 **DOI:** 10.1103/PhysRevLett.104.103601 **Published:** MAR 12 2010

Times Cited in Web of Science: 31

Total Times Cited: 33

ISSN: 0031-9007

Record 49 of 353

Title: Non-Euclidean Cloaking for Light Waves

Author(s): Tyc, T (Tyc, Tomas); Chen, HY (Chen, Huanyang); Chan, CT (Chan, Che Ting); Leonhardt, U (Leonhardt, Ulf)

Source: IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM

ELECTRONICS Volume: 16 **Issue:** 2 **Pages:** 418-426 **DOI:** 10.1109/JSTQE.2009.2032514 **Published:** MAR-APR 2010

Times Cited in Web of Science: 10

Total Times Cited: 10

ISSN: 1077-260X

Record 50 of 353

Title: Near field imaging with resonant cavity lens

Author(s): Li, GX (Li, Guixin); Li, JS (Li, Jensen); Tam, HL (Tam, H. L.); Chan, CT (Chan, C. T.); Cheah, KW (Cheah, K. W.)

Source: OPTICS EXPRESS **Volume:** 18 **Issue:** 3 **Pages:** 2325-2331 **Published:** FEB 1 2010

Times Cited in Web of Science: 4

Total Times Cited: 4

ISSN: 1094-4087

Record 51 of 353

Title: Using Metamaterials to Create Illusion and Related Subtle Optical Effects

Author(s): Lai, Y (Lai, Yun); Zheng, HH (Zheng, Huihuo); Chan, CT (Chan, C. T.)

Book Group Author(s): IEEE

Source: 2010 23RD ANNUAL MEETING OF THE IEEE PHOTONICS

SOCIETY Pages: 441-442 **DOI:** 10.1109/PHOTONICS.2010.5698949 **Published:** 2010

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: 23rd Annual Meeting of the IEEE Photonics-Society

Conference Date: NOV 07-11, 2010

Conference Location: Denver, CO

ISBN: 978-1-4244-5369-6

Record 52 of 353

Title: Negative group velocity from resonances in two-dimensional phononic crystals

Author(s): Ao, XY (Ao, Xianyu); Chan, CT (Chan, C. T.)

Source: WAVES IN RANDOM AND COMPLEX MEDIA **Volume:** 20 **Issue:** 2 **Pages:** 276-288 **Article Number:** **DOI:** 10.1080/17455031003610945 **Published:** 2010

Times Cited in Web of Science: 2

Total Times Cited: 2

Conference Title: 6th Summer CRI Workshop on Optical Waves in Metamaterials and their Applications

Conference Date: MAY 27-30, 2009

Conference Location: Charlotte, NC

Conference Host: Univ N Carolina

ISSN: 1745-5030

Record 53 of 353

Title: Complex band structures and effective medium descriptions of periodic acoustic composite systems

Author(s): Ao, XY (Ao, Xianyu); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 80 **Issue:** 23 **Article**

Number: 235118 **DOI:** 10.1103/PhysRevB.80.235118 **Published:** DEC 2009

Times Cited in Web of Science: 7

Total Times Cited: 7

ISSN: 1098-0121

Record 54 of 353

Title: Transformation media based super focusing antenna

Author(s): Lu, WL (Lu, Wanli); Lin, ZF (Lin, Zhifang); Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 42 **Issue:** 21 **Article**

Number: 212002 **DOI:** 10.1088/0022-3727/42/21/212002 **Published:** NOV 7 2009

Times Cited in Web of Science: 10

Total Times Cited: 10

ISSN: 0022-3727

Record 55 of 353

Title: Transformation optical design of a bending waveguide by use of isotropic materials

Author(s): Wu, XJ (Wu, Xiaojiong); Lin, ZF (Lin, Zhifang); Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)

Source: APPLIED OPTICS **Volume:** 48 **Issue:** 31 **Pages:** G101-G105 **Published:** NOV 1 2009

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 1559-128X

eISSN: 2155-3165

Record 56 of 353

Title: Dynamical study of the necklace states

Author(s): Li, W (Li, Wei); Yao, PJ (Yao, Peijun); Jiang, XY (Jiang, Xunya); Chan, CT (Chan, C. T.)

Source: PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND

APPLICATIONS **Volume:** 7 **Issue:** 3 **Pages:** 128-136 **DOI:** 10.1016/j.photonics.2009.04.001 **Published:** NOV 2009

Times Cited in Web of Science: 2

Total Times Cited: 2

ISSN: 1569-4410

Record 57 of 353

Title: Negative compressibility of selenium chains confined in the channels of AlPO₄-5 single crystals

Author(s): Ren, W (Ren, Wei); Ye, JT (Ye, Jian-Ting); Shi, W (Shi, Wu); Tang, ZK (Tang, Zi-Kang); Chan, CT (Chan, C. T.); Sheng, P (Sheng, Ping)

Source: NEW JOURNAL OF PHYSICS **Volume:** 11 **Article**

Number: 103014 **DOI:** 10.1088/1367-2630/11/10/103014 **Published:** OCT 5 2009

Times Cited in Web of Science: 2

Total Times Cited: 2

ISSN: 1367-2630

Record 58 of 353

Title: Localization characteristics of two-dimensional quasicrystals consisting of metal nanoparticles

Author(s): Dong, JW (Dong, Jian-Wen); Fung, KH (Fung, Kin Hung); Chan, CT (Chan, C. T.); Wang, HZ (Wang, He-Zhou)

Source: PHYSICAL REVIEW B **Volume:** 80 **Issue:** 15 **Article**

Number: 155118 **DOI:** 10.1103/PhysRevB.80.155118 **Published:** OCT 2009

Times Cited in Web of Science: 7

Total Times Cited: 7

ISSN: 1098-0121

Record 59 of 353

Title: "Cloaking at a distance" from folded geometries in bipolar coordinates

Author(s): Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)

Source: OPTICS LETTERS **Volume:** 34 **Issue:** 17 **Pages:** 2649-2651 **Published:** SEP 1 2009

Times Cited in Web of Science: 20

Total Times Cited: 20

ISSN: 0146-9592

Record 60 of 353

Title: A simple route to a tunable electromagnetic gateway

Author(s): Chen, HY (Chen, Huanyang); Chan, CT (Chan, Che Ting); Liu, SY (Liu, Shiyang); Lin, ZF (Lin, Zhifang)

Source: NEW JOURNAL OF PHYSICS **Volume:** 11 **Article**

Number: 083012 **DOI:** 10.1088/1367-2630/11/8/083012 **Published:** AUG 13 2009

Times Cited in Web of Science: 27

Total Times Cited: 27

ISSN: 1367-2630

Record 61 of 353

Title: General transformation for the reduced invisibility cloak

Author(s): Chen, HY (Chen, Huanyang); Ng, J (Ng, Jack); Lee, CWJ (Lee, C. W. Jeffrey); Lai, Y (Lai, Yun); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 80 **Issue:** 8 **Article**

Number: 085112 **DOI:** 10.1103/PhysRevB.80.085112 **Published:** AUG 2009

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 1098-0121

Record 62 of 353

Title: Fabrication of gold nano-particle arrays using two-dimensional templates from holographic lithography

Author(s): Lee, FY (Lee, Fung Ying); Fung, KH (Fung, Kin Hung); Tang, TL (Tang, Tsz Leung); Tam, WY

(Tam, Wing Yim); Chan, CT (Chan, C. T.)

Source: CURRENT APPLIED

PHYSICS Volume: 9 **Issue:** 4 **Pages:** 820-825 **DOI:** 10.1016/j.cap.2008.07.017 **Published:** JUL 2009

Times Cited in Web of Science: 8

Total Times Cited: 9

ISSN: 1567-1739

Record 63 of 353

Title: One-way edge mode in a magneto-optical honeycomb photonic crystal

Author(s): Ao, XY (Ao, Xianyu); Lin, ZF (Lin, Zhifang); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 80 **Issue:** 3 **Article**

Number: 033105 **DOI:** 10.1103/PhysRevB.80.033105 **Published:** JUL 2009

Times Cited in Web of Science: 49

Total Times Cited: 52

ISSN: 1098-0121

Record 64 of 353

Title: Illusion Optics: The Optical Transformation of an Object into Another Object

Author(s): Lai, Y (Lai, Yun); Ng, J (Ng, Jack); Chen, HY (Chen, HuanYang); Han, DZ (Han, DeZhuan); Xiao, JJ (Xiao, JunJun); Zhang, ZQ (Zhang, Zhao-Qing); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 102 **Issue:** 25 **Article**

Number: 253902 **DOI:** 10.1103/PhysRevLett.102.253902 **Published:** JUN 26 2009

Times Cited in Web of Science: 211

Total Times Cited: 214

ISSN: 0031-9007

Record 65 of 353

Title: Electronic and optical properties of single-walled carbon nanotubes under a uniform transverse electric field: A first-principles study

Author(s): Cho, TH (Cho, T. H.); Su, WS (Su, W. S.); Leung, TC (Leung, T. C.); Ren, W (Ren, Wei); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 79 **Issue:** 23 **Article**

Number: 235123 **DOI:** 10.1103/PhysRevB.79.235123 **Published:** JUN 2009

Times Cited in Web of Science: 14

Total Times Cited: 15

ISSN: 1098-0121

Record 66 of 353

Title: Design and Experimental Realization of a Broadband Transformation Media Field Rotator at Microwave

Frequencies

Author(s): Chen, HY (Chen, Huanyang); Hou, B (Hou, Bo); Chen, SY (Chen, Shuyu); Ao, XY (Ao, Xianyu); Wen, WJ (Wen, Weijia); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 102 **Issue:** 18 **Article**

Number: 183903 **DOI:** 10.1103/PhysRevLett.102.183903 **Published:** MAY 8 2009

Times Cited in Web of Science: 73

Total Times Cited: 74

ISSN: 0031-9007

Record 67 of 353

Title: Superconducting characteristics of 4-angstrom carbon nanotube-zeolite composite

Author(s): Lortza, R (Lortza, Rolf); Zhang, QC (Zhang, Qiucen); Shi, W (Shi, Wu); Ye, JT (Ye, Jiang Ting); Qiu, CY (Qiu, Chunyin); Wang, Z (Wang, Zhe); He, HT (He, Hongtao); Sheng, P (Sheng, Ping); Qian, TZ (Qian, Tiezheng); Tang, ZK (Tang, Zikang); Wang, N (Wang, Ning); Zhang, XX (Zhang, Xixiang); Wang, JN (Wang, Jiannong); Chan, CT (Chan, Che Ting)

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA **Volume:** 106 **Issue:** 18 **Pages:** 7299-7303 **DOI:** 10.1073/pnas.0813162106 **Published:** MAY 5 2009

Times Cited in Web of Science: 23

Total Times Cited: 23

ISSN: 0027-8424

Record 68 of 353

Title: Negative group velocity from quadrupole resonance of plasmonic spheres

Author(s): Han, DZ (Han, Dezhan); Lai, Y (Lai, Yun); Fung, KH (Fung, Kin Hung); Zhang, ZQ (Zhang, Zhao-Qing); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 79 **Issue:** 19 **Article**

Number: 195444 **DOI:** 10.1103/PhysRevB.79.195444 **Published:** MAY 2009

Times Cited in Web of Science: 3

Total Times Cited: 3

ISSN: 1098-0121

Record 69 of 353

Title: Transport in a metallic nanotube at finite temperature

Author(s): Ren, W (Ren, Wei); Wang, CZ (Wang, Cai-Zhuang); Ho, KM (Ho, Kai-Ming); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 79 **Issue:** 16 **Article**

Number: 161404 **DOI:** 10.1103/PhysRevB.79.161404 **Published:** APR 2009

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 1098-0121

Record 70 of 353

Title: Dirac Spectra and Edge States in Honeycomb Plasmonic Lattices

Author(s): Han, DZ (Han, Dezhan); Lai, Y (Lai, Yun); Zi, J (Zi, Jian); Zhang, ZQ (Zhang, Zhao-Qing); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 102 **Issue:** 12 **Article**

Number: 123904 **DOI:** 10.1103/PhysRevLett.102.123904 **Published:** MAR 27 2009

Times Cited in Web of Science: 27

Total Times Cited: 27

ISSN: 0031-9007

Record 71 of 353

Title: Complementary Media Invisibility Cloak that Cloaks Objects at a Distance Outside the Cloaking Shell

Author(s): Lai, Y (Lai, Yun); Chen, HY (Chen, Huanyang); Zhang, ZQ (Zhang, Zhao-Qing); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 102 **Issue:** 9 **Article**

Number: 093901 **DOI:** 10.1103/PhysRevLett.102.093901 **Published:** MAR 6 2009

Times Cited in Web of Science: 238

Total Times Cited: 243

ISSN: 0031-9007

eISSN: 1079-7114

Record 72 of 353

Title: Metamaterial frequency-selective superabsorber

Author(s): Ng, J (Ng, Jack); Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)

Source: OPTICS LETTERS **Volume:** 34 **Issue:** 5 **Pages:** 644-646 **Published:** MAR 1 2009

Times Cited in Web of Science: 78

Total Times Cited: 80

ISSN: 0146-9592

Record 73 of 353

Title: Comparative study of single Cu, Ag, Au, and K atoms adsorbed on Si(111)-(7x7)

Author(s): Chen, G (Chen, G.); Xiao, XD (Xiao, Xudong); Kawazoe, Y (Kawazoe, Y.); Gong, XG (Gong, X. G.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 79 **Issue:** 11 **Article**

Number: 115301 **DOI:** 10.1103/PhysRevB.79.115301 **Published:** MAR 2009

Times Cited in Web of Science: 7

Total Times Cited: 7

ISSN: 1098-0121

Record 74 of 353

Title: Lattice instability and superconductivity in electron doped (3,3) carbon nanotubes

Author(s): Bohnen, KP (Bohnen, K-P); Heid, R (Heid, R.); Chan, CT (Chan, C. T.)

Source: JOURNAL OF PHYSICS-CONDENSED MATTER **Volume:** 21 **Issue:** 8 **Article**

Number: 084206 **DOI:** 10.1088/0953-8984/21/8/084206 **Published:** FEB 25 2009

Times Cited in Web of Science: 6

Total Times Cited: 6

ISSN: 0953-8984

Record 75 of 353

Title: Whispering gallery mode enhanced optical force with resonant tunneling excitation in the Kretschmann geometry

Author(s): Xiao, JJ (Xiao, J. J.); Ng, J (Ng, Jack); Lin, ZF (Lin, Z. F.); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 94 **Issue:** 1 **Article**

Number: 011102 **DOI:** 10.1063/1.3065024 **Published:** JAN 5 2009

Times Cited in Web of Science: 14

Total Times Cited: 14

ISSN: 0003-6951

eISSN: 1077-3118

Record 76 of 353

Title: Transformation media for linear liquid surface waves

Author(s): Chen, HY (Chen, Huanyang); Yang, J (Yang, Jiong); Zi, J (Zi, Jian); Chan, CT (Chan, C. T.)

Source: EPL **Volume:** 85 **Issue:** 2 **Article**

Number: 24004 **DOI:** 10.1209/0295-5075/85/24004 **Published:** JAN 2009

Times Cited in Web of Science: 15

Total Times Cited: 15

ISSN: 0295-5075

Record 77 of 353

Title: Optical illusion effects created by using metamaterials

Author(s): Lai, Y (Lai, Y.); Ng, J (Ng, J.); Chen, HY (Chen, H. Y.); Han, DZ (Han, D. Z.); Xiao, JJ (Xiao, J. J.); Zhang, ZQ (Zhang, Z. Q.); Chan, CT (Chan, C. T.)

Book Group Author(s): IEEE

Source: ICEAA: 2009 INTERNATIONAL CONFERENCE ON ELECTROMAGNETICS IN ADVANCED APPLICATIONS, VOLS 1 AND 2 **Pages:** 841-843 **Published:** 2009

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: International Conference on Electromagnetics in Advanced Applications (ICEAA 2009)

Conference Date: SEP 14-18, 2009

Conference Location: Torino, ITALY

ISBN: 978-1-4244-3385-8

Record 78 of 353

Title: Reshaping the perfect electrical conductor cylinder arbitrarily

Author(s): Chen, HY (Chen, Huanyang); Zhang, XH (Zhang, Xiaohe); Luo, XD (Luo, Xudong); Ma, HR (Ma, Hongru); Chan, CT (Chan, Che Ting)

Source: NEW JOURNAL OF PHYSICS **Volume:** 10 **Article**

Number: 113016 **DOI:** 10.1088/1367-2630/10/11/113016 **Published:** NOV 14 2008

Times Cited in Web of Science: 29

Total Times Cited: 29

ISSN: 1367-2630

Record 79 of 353

Title: Conductance spectra of metallic carbon nanotube bundles from first principles

Author(s): Ren, W (Ren, Wei); Chan, CT (Chan, C. T.); Cho, TH (Cho, T. H.); Leung, TC (Leung, T. C.); Wang, J (Wang, Jian); Guo, H (Guo, Hong); Sheng, P (Sheng, Ping)

Source: PHYSICAL REVIEW B **Volume:** 78 **Issue:** 19 **Article**

Number: 195404 **DOI:** 10.1103/PhysRevB.78.195404 **Published:** NOV 2008

Times Cited in Web of Science: 1

Total Times Cited: 1

ISSN: 1098-0121

Record 80 of 353

Title: Controlled Chainlike Agglomeration of Charged Gold Nanoparticles via a Deliberate Interaction Balance

Author(s): Zhang, H (Zhang, Hao); Fung, KH (Fung, Kin-Hung); Hartmann, J (Hartmann, Juergen); Chan, CT (Chan, C. T.); Wang, DY (Wang, Dayang)

Source: JOURNAL OF PHYSICAL CHEMISTRY

C Volume: 112 **Issue:** 43 **Pages:** 16830-16839 **DOI:** 10.1021/jp806059a **Published:** OCT 30 2008

Times Cited in Web of Science: 43

Total Times Cited: 43

ISSN: 1932-7447

Record 81 of 353

Title: Manipulating Negative-Refractive Behavior with a Magnetic Field

Author(s): Liu, SY (Liu, Shiyang); Chen, WK (Chen, Weikang); Du, JJ (Du, Junjie); Lin, ZF (Lin, Zhifang); Chui, ST (Chui, S. T.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 101 **Issue:** 15 **Article**

Number: 157407 **DOI:** 10.1103/PhysRevLett.101.157407 **Published:** OCT 10 2008

Times Cited in Web of Science: 35

Total Times Cited: 36

ISSN: 0031-9007

eISSN: 1079-7114

Record 82 of 353

Title: Gated armchair nanotube and metallic field effect

Author(s): Ren, W (Ren, Wei); Cho, TH (Cho, T. H.); Leung, TC (Leung, T. C.); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 93 **Issue:** 14 **Article**

Number: 142102 **DOI:** 10.1063/1.2998394 **Published:** OCT 6 2008

Times Cited in Web of Science: 7

Total Times Cited: 7

ISSN: 0003-6951

eISSN: 1077-3118

Record 83 of 353

Title: The anti-cloak

Author(s): Chen, HY (Chen, Huanyang); Luo, XD (Luo, Xudong); Ma, HR (Ma, Hongru); Chan, CT (Chan, C. T.)

Source: OPTICS

EXPRESS **Volume:** 16 **Issue:** 19 **Pages:** 14603-14608 **DOI:** 10.1364/OE.16.014603 **Published:** SEP 15 2008

Times Cited in Web of Science: 76

Total Times Cited: 79

ISSN: 1094-4087

Record 84 of 353

Title: Polarization engineering of thermal radiation using metallic photonic crystals

Author(s): Lee, JH (Lee, Jae-Hwang); Lee, JCW (Lee, Jeffrey Chi Wai); Leung, W (Leung, Wai); Li, M (Li, Ming); Constant, K (Constant, Kristen); Chan, CT (Chan, Che Ting); Ho, KM (Ho, Kai-Ming)

Source: ADVANCED

MATERIALS **Volume:** 20 **Issue:** 17 **Pages:** 3244-+ **DOI:** 10.1002/adma.200703160 **Published:** SEP 3 2008

Times Cited in Web of Science: 11

Total Times Cited: 11

ISSN: 0935-9648

Record 85 of 353

Title: Calculation of the optical force on an infinite cylinder with arbitrary cross section by the boundary element method

Author(s): Xiao, JJ (Xiao, J. J.); Chan, CT (Chan, C. T.)

Source: JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS **Volume:** 25 **Issue:** 9 **Pages:** 1553-1561 **DOI:** 10.1364/JOSAB.25.001553 **Published:** SEP 2008
Times Cited in Web of Science: 11
Total Times Cited: 12
ISSN: 0740-3224

Record 86 of 353

Title: Time delays and energy transport velocities in three dimensional ideal cloaking devices
Author(s): Chen, H (Chen, Huanyang); Chan, CT (Chan, C. T.)
Source: JOURNAL OF APPLIED PHYSICS **Volume:** 104 **Issue:** 3 **Article**
Number: 033113 **DOI:** 10.1063/1.2967815 **Published:** AUG 1 2008
Times Cited in Web of Science: 27
Total Times Cited: 29
ISSN: 0021-8979
eISSN: 1089-7550

Record 87 of 353

Title: Electromagnetic wave manipulation by layered systems using the transformation media concept
Author(s): Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)
Source: PHYSICAL REVIEW B **Volume:** 78 **Issue:** 5 **Article**
Number: 054204 **DOI:** 10.1103/PhysRevB.78.054204 **Published:** AUG 2008
Times Cited in Web of Science: 53
Total Times Cited: 53
ISSN: 1098-0121

Record 88 of 353

Title: Collective plasmonic modes in two-dimensional periodic arrays of metal nanoparticles
Author(s): Zhen, YR (Zhen, Yu-Rong); Fung, KH (Fung, Kin Hung); Chan, CT (Chan, C. T.)
Source: PHYSICAL REVIEW B **Volume:** 78 **Issue:** 3 **Article**
Number: 035419 **DOI:** 10.1103/PhysRevB.78.035419 **Published:** JUL 2008
Times Cited in Web of Science: 18
Total Times Cited: 18
ISSN: 1098-0121

Record 89 of 353

Title: Size-selective optical forces for microspheres using evanescent wave excitation of whispering gallery modes
Author(s): Ng, J (Ng, Jack); Chan, CT (Chan, C. T.)
Source: APPLIED PHYSICS LETTERS **Volume:** 92 **Issue:** 25 **Article**
Number: 251109 **DOI:** 10.1063/1.2951599 **Published:** JUN 23 2008

Times Cited in Web of Science: 27

Total Times Cited: 27

ISSN: 0003-6951

Record 90 of 353

Title: Stability of extended structures stabilized by light as governed by the competition of two length scales

Author(s): Hang, ZH (Hang, Zhi Hong); Ng, J (Ng, Jack); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW A **Volume:** 77 **Issue:** 6 **Article**

Number: 063838 **DOI:** 10.1103/PhysRevA.77.063838 **Published:** JUN 2008

Times Cited in Web of Science: 3

Total Times Cited: 3

ISSN: 1050-2947

Record 91 of 353

Title: Complex electron-phonon driven lattice dynamics in ultrasmall-radius (5,0) carbon nanotubes

Author(s): Bohnen, KP (Bohnen, K. -P.); Heid, R (Heid, R.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 77 **Issue:** 23 **Article**

Number: 235407 **DOI:** 10.1103/PhysRevB.77.235407 **Published:** JUN 2008

Times Cited in Web of Science: 3

Total Times Cited: 3

ISSN: 1098-0121

Record 92 of 353

Title: Polarization gaps and negative group velocity in chiral phononic crystals: Layer multiple scattering method

Author(s): Chen, HY (Chen, Huanyang); Fung, KH (Fung, Kin Hung); Ma, H (Ma, Hongru); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 77 **Issue:** 22 **Article**

Number: 224304 **DOI:** 10.1103/PhysRevB.77.224304 **Published:** JUN 2008

Times Cited in Web of Science: 3

Total Times Cited: 3

ISSN: 1098-0121

Record 93 of 353

Title: Analytical study of the plasmonic modes of a metal nanoparticle circular array

Author(s): Fung, KH (Fung, Kin Hung); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 77 **Issue:** 20 **Article**

Number: 205423 **DOI:** 10.1103/PhysRevB.77.205423 **Published:** MAY 2008

Times Cited in Web of Science: 10

Total Times Cited: 10

ISSN: 1098-0121

Record 94 of 353

Title: Homogenization of acoustic metamaterials of Helmholtz resonators in fluid

Author(s): Hu, XH (Hu, Xinhua); Ho, KM (Ho, Kai-Ming); Chan, CT (Chan, C. T.); Zi, J (Zi, Jian)

Source: PHYSICAL REVIEW B **Volume:** 77 **Issue:** 17 **Article**

Number: 172301 **DOI:** 10.1103/PhysRevB.77.172301 **Published:** MAY 2008

Times Cited in Web of Science: 31

Total Times Cited: 31

ISSN: 1098-0121

Record 95 of 353

Title: Electrodynamics study of plasmonic bonding and antibonding forces in a bisphere

Author(s): Ng, J (Ng, Jack); Tang, R (Tang, Ross); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 77 **Issue:** 19 **Article**

Number: 195407 **DOI:** 10.1103/PhysRevB.77.195407 **Published:** MAY 2008

Times Cited in Web of Science: 15

Total Times Cited: 15

ISSN: 1098-0121

Record 96 of 353

Title: Lasing from dye-doped photonic crystals with graded layers in dichromate gelatin emulsions

Author(s): Kok, MH (Kok, Mang Hin); Lu, WX (Lu, Weixin); Lee, JCW (Lee, Jeffrey Chi Wai); Tam, WY (Tam, Wing Yim); Wong, GKL (Wong, George K. L.); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 92 **Issue:** 15 **Article**

Number: 151108 **DOI:** 10.1063/1.2907488 **Published:** APR 14 2008

Times Cited in Web of Science: 11

Total Times Cited: 11

ISSN: 0003-6951

eISSN: 1077-3118

Record 97 of 353

Title: Wave localization in one-dimensional random structures composed of single-negative metamaterials

Author(s): Han, P (Han, P.); Chan, CT (Chan, C. T.); Zhang, ZQ (Zhang, Z. Q.)

Source: PHYSICAL REVIEW B **Volume:** 77 **Issue:** 11 **Article**

Number: 115332 **DOI:** 10.1103/PhysRevB.77.115332 **Published:** MAR 2008

Times Cited in Web of Science: 17

Total Times Cited: 20

ISSN: 1098-0121

Record 98 of 353

Title: A computational study of the optical response of strongly coupled metal nanoparticle chains

Author(s): Fung, KH (Fung, Kin Hung); Chan, CT (Chan, C. T.)

Source: OPTICS

COMMUNICATIONS **Volume:** 281 **Issue:** 4 **Pages:** 855-864 **DOI:** 10.1016/j.optcom.2007.10.019 **Published:** FEB 15 2008

Times Cited in Web of Science: 17

Total Times Cited: 18

ISSN: 0030-4018

Record 99 of 353

Title: Doppler effects of a light source on a metamaterial slab: a rigorous Green's function approach

Author(s): Wang, WH (Wang, Weihua); Huang, XQ (Huang, Xueqin); Zhou, L (Zhou, Lei); Chan, CT (Chan, C. T.)

Source: OPTICS

LETTERS **Volume:** 33 **Issue:** 4 **Pages:** 369-371 **DOI:** 10.1364/OL.33.000369 **Published:** FEB 15 2008

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0146-9592

Record 100 of 353

Title: Far-field image magnification for acoustic waves using anisotropic acoustic metamaterials

Author(s): Ao, XY (Ao, Xianyu); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW E **Volume:** 77 **Issue:** 2 **Article**

Number: 025601 **DOI:** 10.1103/PhysRevE.77.025601 **Part:** 2 **Published:** FEB 2008

Times Cited in Web of Science: 38

Total Times Cited: 38

ISSN: 1539-3755

Record 101 of 353

Title: Spatial Bloch oscillations of plasmons in nanoscale metal waveguide arrays

Author(s): Lin, WH (Lin, Weihua); Zhou, XA (Zhou, Xiang); Wang, GP (Wang, Guo Ping); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 91 **Issue:** 24 **Article**

Number: 243113 **DOI:** 10.1063/1.2824394 **Published:** DEC 10 2007

Times Cited in Web of Science: 18

Total Times Cited: 18

ISSN: 0003-6951

Record 102 of 353

Title: Extending the bandwidth of electromagnetic cloaks

Author(s): Chen, HY (Chen, Huanyang); Liang, ZX (Liang, Zixian); Yao, PJ (Yao, Peijun); Jiang, XY (Jiang, Xunya); Ma, HR (Ma, Hongru); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 76 **Issue:** 24 **Article**

Number: 241104 **DOI:** 10.1103/PhysRevB.76.241104 **Published:** DEC 2007

Times Cited in Web of Science: 95

Total Times Cited: 95

ISSN: 1098-0121

Record 103 of 353

Title: Work function of single-walled and multiwalled carbon nanotubes: First-principles study

Author(s): Su, WS (Su, W. S.); Leung, TC (Leung, T. C.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 76 **Issue:** 23 **Article**

Number: 235413 **DOI:** 10.1103/PhysRevB.76.235413 **Published:** DEC 2007

Times Cited in Web of Science: 46

Total Times Cited: 48

ISSN: 1098-0121

Record 104 of 353

Title: Acoustic cloaking in three dimensions using acoustic metamaterials

Author(s): Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 91 **Issue:** 18 **Article**

Number: 183518 **DOI:** 10.1063/1.2803315 **Published:** OCT 29 2007

Times Cited in Web of Science: 228

Total Times Cited: 233

ISSN: 0003-6951

Record 105 of 353

Title: Vibrational entropy-driven dealloying of Mo(100) and W(100) surface alloys

Author(s): Man, KL (Man, K. L.); Feng, YJ (Feng, Y. J.); Chan, CT (Chan, C. T.); Altman, MS (Altman, M. S.)

Source: SURFACE

SCIENCE **Volume:** 601 **Issue:** 16 **Pages:** L95-L101 **DOI:** 10.1016/j.susc.2007.06.027 **Published:** AUG 15 2007

Times Cited in Web of Science: 3

Total Times Cited: 3

ISSN: 0039-6028

Record 106 of 353

Title: Manipulating electromagnetic wave polarizations by anisotropic metamaterials

Author(s): Hao, JM (Hao, Jiaming); Yuan, Y (Yuan, Yu); Ran, LX (Ran, Lixin); Jiang, T (Jiang, Tao); Kong, JA (Kong, Jin Au); Chan, CT (Chan, C. T.); Zhou, L (Zhou, Lei)

Source: PHYSICAL REVIEW LETTERS **Volume:** 99 **Issue:** 6 **Article**

Number: 063908 **DOI:** 10.1103/PhysRevLett.99.063908 **Published:** AUG 10 2007

Times Cited in Web of Science: 102

Total Times Cited: 109

ISSN: 0031-9007

eISSN: 1079-7114

Record 107 of 353

Title: Method for accurate description of a radially polarized Gaussian laser beam beyond the paraxial approximation

Author(s): Luo, H (Luo, Hong); Liu, SY (Liu, Shiyang); Lin, ZF (Lin, Zhifang); Chan, CT (Chan, C. T.)

Source: OPTICS

LETTERS **Volume:** 32 **Issue:** 12 **Pages:** 1692-1694 **DOI:** 10.1364/OL.32.001692 **Published:** JUN 15 2007

Times Cited in Web of Science: 12

Total Times Cited: 13

ISSN: 0146-9592

Record 108 of 353

Title: Transformation media that rotate electromagnetic fields

Author(s): Chen, HY (Chen, Huanyang); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 90 **Issue:** 24 **Article**

Number: 241105 **DOI:** 10.1063/1.2748302 **Published:** JUN 11 2007

Times Cited in Web of Science: 272

Total Times Cited: 281

ISSN: 0003-6951

Record 109 of 353

Title: An effective-medium model for high-impedance surfaces

Author(s): Hao, JM (Hao, J. M.); Zhou, L (Zhou, L.); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS A-MATERIALS SCIENCE &

PROCESSING **Volume:** 87 **Issue:** 2 **Pages:** 281-284 **DOI:** 10.1007/s00339-006-3825-4 **Published:** MAY 2007

Times Cited in Web of Science: 20

Total Times Cited: 23

ISSN: 0947-8396

Record 110 of 353

Title: Comment on "All-angle broadband negative refraction of metal waveguide arrays in the visible range: Theoretical analysis and numerical demonstration" - Reply

Author(s): Lin, WH (Lin, Weihua); Wang, GP (Wang, Guo Ping); Lee, JCW (Lee, Jeffrey Chi Wai); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 98 **Issue:** 17 **Article**

Number: 179402 **DOI:** 10.1103/PhysRevLett.98.179402 **Published:** APR 27 2007

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 0031-9007

Record 111 of 353

Title: Work function of small radius carbon nanotubes and their bundles

Author(s): Su, WS (Su, W. S.); Leung, TC (Leung, T. C.); Li, B (Li, Bin); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 90 **Issue:** 16 **Article**

Number: 163103 **DOI:** 10.1063/1.2723682 **Published:** APR 16 2007

Times Cited in Web of Science: 16

Total Times Cited: 17

ISSN: 0003-6951

Record 112 of 353

Title: Plasmonic modes in periodic metal nanoparticle chains: a direct dynamic eigenmode analysis

Author(s): Fung, KH (Fung, Kin Hung); Chan, CT (Chan, C. T.)

Source: OPTICS

LETTERS **Volume:** 32 **Issue:** 8 **Pages:** 973-975 **DOI:** 10.1364/OL.32.000973 **Published:** APR 15 2007

Times Cited in Web of Science: 39

Total Times Cited: 39

ISSN: 0146-9592

Record 113 of 353

Title: Adsorption of O₂ on a (4,2) carbon nanotube

Author(s): Liu, HJ (Liu, H. J.); Zhai, JP (Zhai, J. P.); Chan, CT (Chan, C. T.); Tang, ZK (Tang, Z. K.)

Source: NANOTECHNOLOGY **Volume:** 18 **Issue:** 6 **Article**

Number: 065704 **DOI:** 10.1088/0957-4484/18/6/065704 **Published:** FEB 14 2007

Times Cited in Web of Science: 22

Total Times Cited: 22

ISSN: 0957-4484

Record 114 of 353

Title: Bandgap engineering - Quasicrystals enter third dimension

Author(s): Chan, CT (Chan, Che Ting)

Source: NATURE

PHOTONICS Volume: 1 **Issue:** 2 **Pages:** 91-92 **DOI:** 10.1038/nphoton.2006.92 **Published:** FEB 2007

Times Cited in Web of Science: 1

Total Times Cited: 1

ISSN: 1749-4885

Record 115 of 353

Title: Effects of an electric field on a water bilayer on Ag(111)

Author(s): Zhao, J (Zhao, Jian); Chan, CT (Chan, C. T.); Che, JG (Che, J. G.)

Source: PHYSICAL REVIEW B **Volume:** 75 **Issue:** 8 **Article**

Number: 085435 **DOI:** 10.1103/PhysRevB.75.085435 **Published:** FEB 2007

Times Cited in Web of Science: 17

Total Times Cited: 17

ISSN: 1098-0121

Record 116 of 353

Title: Circularly polarized thermal radiation from layer-by-layer photonic crystal structures

Author(s): Lee, JCW (Lee, Jeffrey Chi Wai); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 90 **Issue:** 5 **Article**

Number: 051912 **DOI:** 10.1063/1.2435958 **Published:** JAN 29 2007

Times Cited in Web of Science: 13

Total Times Cited: 13

ISSN: 0003-6951

Record 117 of 353

Title: Plasmonic modes in periodic metal nanoparticle structures - art. no. 664214

Author(s): Fung, KH (Fung, K. H.); Chan, CT (Chan, C. T.)

Edited by: Kawata S; Shalaev VM; Tsai DP

Source: PLASMONICS: NANOIMAGING, NANOFABRICATION, AND THEIR APPLICATIONS III **Book**

Series: PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS

(SPIE) **Volume:** 6642 **Pages:** 64214-64214 **DOI:** 10.1117/12.730190 **Published:** 2007

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: Conference on Plasmonics - Nanoimaging, Nanofabrication, and their Application III

Conference Date: AUG 28-30, 2007

Conference Location: San Diego, CA

ISSN: 0277-786X

ISBN: 978-0-8194-6790-4

Record 118 of 353

Title: First-principles calculations of field emission from nano-structures

Author(s): Li, B (Li, Bin); Leung, TC (Leung, T. C.); Chan, CT (Chan, C. T.)

Source: JOURNAL OF COMPUTATIONAL AND THEORETICAL

NANOSCIENCE **Volume:** 3 **Issue:** 5 **Pages:** 830-837 **DOI:** 10.1166/jctn.2006.024 **Published:** OCT 2006

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: International Workshop on Theoretical and Computational Chemistry of Complex Systems

Conference Date: JAN 03-07, 2005

Conference Location: Hong Kong, PEOPLES R CHINA

ISSN: 1546-1955

Record 119 of 353

Title: Microwave transmission through metallic hole arrays: Surface electric field measurements

Author(s): Hou, B (Hou, Bo); Hang, ZH (Hang, Zhi Hong); Wen, WJ (Wen, Weijia); Chan, CT (Chan, C. T.); Sheng, P (Sheng, Ping)

Source: APPLIED PHYSICS LETTERS **Volume:** 89 **Issue:** 13 **Article**

Number: 131917 **DOI:** 10.1063/1.23579452 **Published:** SEP 25 2006

Times Cited in Web of Science: 30

Total Times Cited: 33

ISSN: 0003-6951

Record 120 of 353

Title: All-dimensional subwavelength cavities made with metamaterials

Author(s): Li, HQ (Li, Hongqiang); Hao, JM (Hao, Jiaming); Zhou, L (Zhou, Lei); Wei, ZY (Wei, Zeyong); Gong, LK (Gong, Lingkan); Chen, H (Chen, Hong); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 89 **Issue:** 10 **Article**

Number: 104101 **DOI:** 10.1063/1.2338795 **Published:** SEP 4 2006

Times Cited in Web of Science: 15

Total Times Cited: 17

ISSN: 0003-6951

Record 121 of 353

Title: Localized vibrational modes in optically bound structures

Author(s): Ng, J (Ng, Jack); Chan, CT (Chan, C. T.)

Source: OPTICS

LETTERS **Volume:** 31 **Issue:** 17 **Pages:** 2583-2585 **DOI:** 10.1364/OL.31.002583 **Published:** SEP 1 2006

Times Cited in Web of Science: 11

Total Times Cited: 11

ISSN: 0146-9592

Record 122 of 353

Title: Highly spin-polarized field emissions induced by quantum size effects in ultrathin films of Fe on W(001)

Author(s): Li, B (Li, Bin); Leung, TC (Leung, T. C.); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 97 **Issue:** 8 **Article**

Number: 087201 **DOI:** 10.1103/PhysRevLett.97.087201 **Published:** AUG 25 2006

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0031-9007

Record 123 of 353

Title: All-angle broadband negative refraction of metal waveguide arrays in the visible range: Theoretical analysis and numerical demonstration

Author(s): Fan, XB (Fan, Xiebin); Wang, GP (Wang, Guo Ping); Lee, JCW (Lee, Jeffrey Chi Wai); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW LETTERS **Volume:** 97 **Issue:** 7 **Article**

Number: 073901 **DOI:** 10.1103/PhysRevLett.97.073901 **Published:** AUG 18 2006

Times Cited in Web of Science: 79

Total Times Cited: 79

ISSN: 0031-9007

Record 124 of 353

Title: Effective medium theory for magnetodielectric composites: Beyond the long-wavelength limit

Author(s): Wu, Y (Wu, Ying); Li, J (Li, Jensen); Zhang, ZQ (Zhang, Zhao-Qing); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 74 **Issue:** 8 **Article**

Number: 085111 **DOI:** 10.1103/PhysRevB.74.085111 **Published:** AUG 2006

Times Cited in Web of Science: 47

Total Times Cited: 48

ISSN: 1098-0121

Record 125 of 353

Title: Thermal emission by metallic photonic crystal slabs

Author(s): Wan, JTK (Wan, Jones T. K.); Chan, CT (Chan, C. T.)

Source: APPLIED PHYSICS LETTERS **Volume:** 89 **Issue:** 4 **Article**

Number: 041915 **DOI:** 10.1063/1.2236284 **Published:** JUL 24 2006

Times Cited in Web of Science: 13

Total Times Cited: 13

ISSN: 0003-6951

Record 126 of 353

Title: Mechanical properties of ultrathin carbon nanotube junctions

Author(s): Meng, FY (Meng, F. Y.); Shi, SQ (Shi, S. Q.); Xu, DS (Xu, D. S.); Chan, CT (Chan, C. T.)

Source: MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING **Volume:** 14 **Issue:** 5 **Pages:** S1-S8 **DOI:** 10.1088/0965-0393/14/5/S01 **Published:** JUL 2006

Times Cited in Web of Science: 8

Total Times Cited: 8

Conference Title: International Symposium on Molecular Dynamics Simulations

Conference Date: AUG 29-31, 2005

Conference Location: Osaka, JAPAN

Conference Host: Osaka Univ Nakanoshima Ctr

ISSN: 0965-0393

Record 127 of 353

Title: Modulating image oscillations in focusing by a metamaterial lens: Time-dependent Green's function approach

Author(s): Huang, XQ (Huang, Xueqin); Zhou, L (Zhou, Lei); Chan, CT (Chan, C. T.)

Source: PHYSICAL REVIEW B **Volume:** 74 **Issue:** 4 **Article Number:** 045123 **DOI:** 10.1103/PhysRevB.74.045123 **Published:** JUL 2006

Times Cited in Web of Science: 10

Total Times Cited: 10

ISSN: 1098-0121

Record 128 of 353

Title: Diamagnetic response of metallic photonic crystals at infrared and visible frequencies

Author(s): Hu, XH (Hu, Xinhua); Chan, CT (Chan, C. T.); Zi, J (Zi, Jian); Li, M (Li, Ming); Ho, KM (Ho, Kai-Ming)

Source: PHYSICAL REVIEW LETTERS **Volume:** 96 **Issue:** 22 **Article Number:** 223901 **DOI:** 10.1103/PhysRevLett.96.223901 **Published:** JUN 9 2006

Times Cited in Web of Science: 37

Total Times Cited: 39

ISSN: 0031-9007

Record 129 of 353

Title: Density functional study on the electronic properties of ZnS : Te

Author(s): Liu, HJ (Liu, HJ); Chan, CT (Chan, CT)

Source: PHYSICS LETTERS

A Volume: 352 **Issue:** 6 **Pages:** 531-537 **DOI:** 10.1016/j.physleta.2005.12.045 **Published:** APR 10 2006

Times Cited in Web of Science: 0

Total Times Cited: 1

ISSN: 0375-9601

eISSN: 1873-2429

Record 130 of 353

Title: Adsorption pathways of singlet O-2 on 4 angstrom carbon nanotubes

Author(s): Liu, HJ (Liu, HJ); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 73 **Issue:** 11 **Article**

Number: 113405 **DOI:** 10.1103/PhysRevB.73.113405 **Published:** MAR 2006

Times Cited in Web of Science: 19

Total Times Cited: 19

ISSN: 1098-0121

Record 131 of 353

Title: Frequency-selective absorption characteristics of a metal surface with embedded dielectric microspheres

Author(s): Sun, G (Sun, G); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW E **Volume:** 73 **Issue:** 3 **Article**

Number: 036613 **DOI:** 10.1103/PhysRevE.73.036613 **Part:** 2 **Published:** MAR 2006

Times Cited in Web of Science: 10

Total Times Cited: 10

ISSN: 1539-3755

Record 132 of 353

Title: Theoretical study of field emission currents from W(001) surface

Author(s): Huang, SF (Huang, SF); Leung, TC (Leung, TC); Chan, CT (Chan, CT)

Source: SOLID STATE

COMMUNICATIONS **Volume:** 137 **Issue:** 9 **Pages:** 498-502 **DOI:** 10.1016/j.ssc.2005.12.029 **Published:** MAR 2006

Times Cited in Web of Science: 1

Total Times Cited: 1

ISSN: 0038-1098

Record 133 of 353

Title: Multilayer structures as negative refractive and left-handed materials

Author(s): Chui, ST (Chui, ST); Chan, CT (Chan, CT); Lin, ZF (Lin, ZF)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER Volume: 18 **Issue:** 6 **Pages:** L89-L95 **DOI:** 10.1088/0953-8984/18/6/L02 **Published:** FEB 15 2006

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 0953-8984

Record 134 of 353

Title: Optical properties of photonic crystals composed of metal-coated spheres

Author(s): Li, JS (Li, JS); Sun, G (Sun, G); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 73 **Issue:** 7 **Article**

Number: 075117 **DOI:** 10.1103/PhysRevB.73.075117 **Published:** FEB 2006

Times Cited in Web of Science: 24

Total Times Cited: 24

ISSN: 1098-0121

Record 135 of 353

Title: Realization of optical periodic quasicrystals using holographic lithography

Author(s): Wang, X (Wang, X); Xu, J (Xu, J); Lee, JCW (Lee, JCW); Pang, YK (Pang, YK); Tam, WY (Tam, WY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: APPLIED PHYSICS LETTERS **Volume:** 88 **Issue:** 5 **Article**

Number: 051901 **DOI:** 10.1063/1.2168487 **Published:** JAN 30 2006

Times Cited in Web of Science: 45

Total Times Cited: 47

ISSN: 0003-6951

Record 136 of 353

Title: Surface reconstructions and stability of X-shaped carbon nanotube junction

Author(s): Meng, FY (Meng, FY); Shi, SQ (Shi, SQ); Xu, DS (Xu, DS); Chan, CT (Chan, CT)

Source: JOURNAL OF CHEMICAL PHYSICS **Volume:** 124 **Issue:** 2 **Article**

Number: 024711 **DOI:** 10.1063/1.2150210 **Published:** JAN 14 2006

Times Cited in Web of Science: 6

Total Times Cited: 6

ISSN: 0021-9606

Record 137 of 353

Title: Anomalous Doppler effects in phononic band gaps

Author(s): Hu, XH (Hu, XH); Hang, ZH (Hang, ZH); Li, JS (Li, JS); Zi, J (Zi, J); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW E **Volume:** 73 **Issue:** 1 **Article**

Number: 015602 **DOI:** 10.1103/PhysRevE.73.015602 **Part:** 2 **Published:** JAN 2006

Times Cited in Web of Science: 15

Total Times Cited: 15

ISSN: 1539-3755

Record 138 of 353

Title: Negative refraction and imaging using plasmonic slabs and layers

Author(s): Chan, CT (Chan, C. T.)

Book Group Author(s): IEEE

Source: Proceedings of International Symposium on Biophotonics, Nanophotonics and Metamaterials **Pages:** 406-406 **Published:** 2006

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: International Symposium on Biophotonics, Nanophotonics and Metamaterials

Conference Date: OCT 16-18, 2006

Conference Location: Hangzhou, PEOPLES R CHINA

ISBN: 978-0-7803-9773-6

Record 139 of 353

Title: A time-dependent Green's function approach to study the transient phenomena in metamaterial lens focusing

Author(s): Zhou, L (Zhou, L); Huang, XQ (Huang, XQ); Chan, CT (Chan, CT)

Source: PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND

APPLICATIONS **Volume:** 3 **Issue:** 2-3 **Pages:** 100-106 **DOI:** 10.1016/j.photonics.2005.09.005 **Published:** DE C 2005

Times Cited in Web of Science: 10

Total Times Cited: 11

Conference Title: 6th International Symposium on Photonic and Electromagnetic Crystal Structures (PECS-VI)

Conference Date: JUN, 2005

Conference Location: Aghia Pelaghia, GREECE

ISSN: 1569-4410

Record 140 of 353

Title: Electromagnetic metamaterial with built-in microstructures

Author(s): Li, JS (Li, JS); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 72 **Issue:** 19 **Article**

Number: 195103 **DOI:** 10.1103/PhysRevB.72.195103 **Published:** NOV 2005

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 1098-0121

Record 141 of 353

Title: Refraction of water waves by periodic cylinder arrays

Author(s): Hu, XH (Hu, XH); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW LETTERS **Volume:** 95 **Issue:** 15 **Article**

Number: 154501 **DOI:** 10.1103/PhysRevLett.95.154501 **Published:** OCT 7 2005

Times Cited in Web of Science: 41

Total Times Cited: 42

ISSN: 0031-9007

Record 142 of 353

Title: Polarization gaps in spiral photonic crystals

Author(s): Lee, JCW (Lee, JCW); Chan, CT (Chan, CT)

Source: OPTICS

EXPRESS **Volume:** 13 **Issue:** 20 **Pages:** 8083-8088 **DOI:** 10.1364/OPEX.13.008083 **Published:** OCT 3 2005

Times Cited in Web of Science: 25

Total Times Cited: 25

ISSN: 1094-4087

Record 143 of 353

Title: Resonant transmission of microwaves through subwavelength fractal slits in a metallic plate

Author(s): Wen, WJ (Wen, WJ); Zhou, L (Zhou, L); Hou, B (Hou, B); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW B **Volume:** 72 **Issue:** 15 **Article**

Number: 153406 **DOI:** 10.1103/PhysRevB.72.153406 **Published:** OCT 2005

Times Cited in Web of Science: 37

Total Times Cited: 38

ISSN: 1098-0121

Record 144 of 353

Title: Photonic band gap effect and structural color from silver nanoparticle gelatin emulsion

Author(s): Kok, MH (Kok, MH); Ma, R (Ma, R); Lee, JCW (Lee, JCW); Tam, WY (Tam, WY); Chan, CT (Chan, CT); Sheng, P (Sheng, P); Cheah, KW (Cheah, KW)

Source: PHYSICAL REVIEW E **Volume:** 72 **Issue:** 4 **Article**

Number: 047601 **DOI:** 10.1103/PhysRevE.72.047601 **Part:** 2 **Published:** OCT 2005

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 1539-3755

Record 145 of 353

Title: Chiral microstructures (spirals) fabrication by holographic lithography

Author(s): Pang, YK (Pang, YK); Lee, JCW (Lee, JCW); Lee, HF (Lee, HF); Tam, WY (Tam, WY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: OPTICS

EXPRESS Volume: 13 **Issue:** 19 **Pages:** 7615-7620 **DOI:** 10.1364/OPEX.13.007615 **Published:** SEP 19 2005

Times Cited in Web of Science: 59

Total Times Cited: 60

ISSN: 1094-4087

Record 146 of 353

Title: First-principles studies of Au(100)-hex reconstruction in an electrochemical environment

Author(s): Feng, YJ (Feng, YJ); Bohnen, KP (Bohnen, KP); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 72 **Issue:** 12 **Article**

Number: 125401 **DOI:** 10.1103/PhysRevB.72.125401 **Published:** SEP 2005

Times Cited in Web of Science: 14

Total Times Cited: 14

ISSN: 1098-0121

Record 147 of 353

Title: Strong optical force induced by morphology-dependent resonances

Author(s): Ng, J (Ng, J); Chan, CT (Chan, CT); Sheng, P (Sheng, P); Lin, ZF (Lin, ZF)

Source: OPTICS

LETTERS Volume: 30 **Issue:** 15 **Pages:** 1956-1958 **DOI:** 10.1364/OL.30.001956 **Published:** AUG 1 2005

Times Cited in Web of Science: 38

Total Times Cited: 38

ISSN: 0146-9592

Record 148 of 353

Title: Cohesive and magnetic properties of Ni, Co, and Fe on W(100), (110), and (111) surfaces: A first-principles study

Author(s): Huang, SF (Huang, SF); Chang, RS (Chang, RS); Leung, TC (Leung, TC); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 72 **Issue:** 7 **Article**

Number: 075433 **DOI:** 10.1103/PhysRevB.72.075433 **Published:** AUG 2005

Times Cited in Web of Science: 10

Total Times Cited: 10

ISSN: 1098-0121

Record 149 of 353

Title: Density functional study of oxygen adsorption on 4-angstrom carbon nanotubes

Author(s): Liu, HJ (Liu, HJ); Chan, CT (Chan, CT); Liu, ZY (Liu, ZY); Shi, J (Shi, J)

Source: PHYSICAL REVIEW B **Volume:** 72 **Issue:** 7 **Article**

Number: 075437 **DOI:** 10.1103/PhysRevB.72.075437 **Published:** AUG 2005

Times Cited in Web of Science: 35

Total Times Cited: 36

ISSN: 1098-0121

Record 150 of 353

Title: Photonic clusters formed by dielectric microspheres: Numerical simulations

Author(s): Ng, J (Ng, J); Lin, ZF (Lin, ZF); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW B **Volume:** 72 **Issue:** 8 **Article**

Number: 085130 **DOI:** 10.1103/PhysRevLett.72.085130 **Published:** AUG 2005

Times Cited in Web of Science: 44

Total Times Cited: 44

ISSN: 1098-0121

Record 151 of 353

Title: Relaxation mechanisms in three-dimensional metamaterial lens focusing

Author(s): Zhou, L (Zhou, L); Chan, CT (Chan, CT)

Source: OPTICS

LETTERS **Volume:** 30 **Issue:** 14 **Pages:** 1812-1814 **DOI:** 10.1364/OL.30.001812 **Published:** JUL 15 2005

Times Cited in Web of Science: 7

Total Times Cited: 7

ISSN: 0146-9592

Record 152 of 353

Title: Theoretical study of the adsorption of H-2 on (3,3) carbon nanotubes

Author(s): Chen, G (Chen, G); Gong, XG (Gong, XG); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 72 **Issue:** 4 **Article**

Number: 045444 **DOI:** 10.1103/PhysRevB.72.045444 **Published:** JUL 2005

Times Cited in Web of Science: 29

Total Times Cited: 29

ISSN: 1098-0121

Record 153 of 353

Title: First-principles study of field-emission properties of nanoscale graphite ribbon arrays

Author(s): Huang, SF (Huang, SF); Leung, TC (Leung, TC); Li, B (Li, B); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 72 **Issue:** 3 **Article**

Number: 035449 **DOI:** 10.1103/PhysRevB.72.035449 **Published:** JUL 2005

Times Cited in Web of Science: 9

Total Times Cited: 9

ISSN: 1098-0121

Record 154 of 353

Title: Electromagnetic-wave tunneling through negative-permittivity media with high magnetic fields

Author(s): Zhou, L (Zhou, L); Wen, WJ (Wen, WJ); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW LETTERS **Volume:** 94 **Issue:** 24 **Article**

Number: 243905 **DOI:** 10.1103/PhysRevLett.94.243905 **Published:** JUN 24 2005

Times Cited in Web of Science: 72

Total Times Cited: 73

ISSN: 0031-9007

Record 155 of 353

Title: Fabrication of large area two- and three-dimensional polymer photonic crystals using single refracting prism holographic lithography

Author(s): Wu, LJ (Wu, LJ); Zhong, YC (Zhong, YC); Chan, CT (Chan, CT); Wong, KS (Wong, KS); Wang, GP (Wang, GP)

Source: APPLIED PHYSICS LETTERS **Volume:** 86 **Issue:** 24 **Article**

Number: 241102 **DOI:** 10.1063/1.1947369 **Published:** JUN 13 2005

Times Cited in Web of Science: 79

Total Times Cited: 82

ISSN: 0003-6951

Record 156 of 353

Title: Directional acoustic source based on the resonant cavity of two-dimensional phononic crystals

Author(s): Qiu, CY (Qiu, CY); Liu, ZY (Liu, ZY); Shi, J (Shi, J); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS LETTERS **Volume:** 86 **Issue:** 22 **Article**

Number: 224105 **DOI:** 10.1063/1.1942642 **Published:** MAY 30 2005

Times Cited in Web of Science: 20

Total Times Cited: 22

ISSN: 0003-6951

eISSN: 1077-3118

Record 157 of 353

Title: Experimental and theoretical investigation of single Cu, Ag, and Au atoms adsorbed on Si(111)-(7x7)

Author(s): Zhang, C (Zhang, C); Chen, G (Chen, G); Wang, KD (Wang, KD); Yang, HW (Yang, HW); Su, T (Su, T); Chan, CT (Chan, CT); Loy, MMT (Loy, MMT); Xiao, XD (Xiao, XD)

Source: PHYSICAL REVIEW LETTERS **Volume:** 94 **Issue:** 17 **Article**

Number: 176104 **DOI:** 10.1103/PhysRevLett.94.176104 **Published:** MAY 6 2005

Times Cited in Web of Science: 45

Total Times Cited: 45

ISSN: 0031-9007

Record 158 of 353

Title: Te antisite incorporation in ZnS_{1-x}Te thin films

Author(s): Chan, SK (Chan, SK); Liu, HJ (Liu, HJ); Chan, CT (Chan, CT); Zhang, ZQ (Zhang, ZQ); Ge, WK (Ge, WK); Sou, IK (Sou, IK)

Source: PHYSICAL REVIEW B **Volume:** 71 **Issue:** 19 **Article**

Number: 195421 **DOI:** 10.1103/PhysRevB.71.195421 **Published:** MAY 2005

Times Cited in Web of Science: 9

Total Times Cited: 9

ISSN: 1098-0121

Record 159 of 353

Title: Resonance-enhanced optical annealing of silicon nanowires

Author(s): Ding, GH (Ding, GH); Chan, CT (Chan, CT); Zhang, ZQ (Zhang, ZQ); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW B **Volume:** 71 **Issue:** 20 **Article**

Number: 205302 **DOI:** 10.1103/PhysRevB.71.205302 **Published:** MAY 2005

Times Cited in Web of Science: 13

Total Times Cited: 13

ISSN: 1098-0121

Record 160 of 353

Title: Two-dimensional sonic crystals with Helmholtz resonators

Author(s): Hu, XH (Hu, XH); Chan, CT (Chan, CT); Zi, J (Zi, J)

Source: PHYSICAL REVIEW E **Volume:** 71 **Issue:** 5 **Article**

Number: 055601 **DOI:** 10.1103/PhysRevE.71.055601 **Part:** 2 **Published:** MAY 2005

Times Cited in Web of Science: 47

Total Times Cited: 49

ISSN: 1539-3755

Record 161 of 353

Title: Fabrication and optical characterization of gold-infiltrated silica opals

Author(s): Li, WJ (Li, WJ); Sun, G (Sun, G); Tang, FQ (Tang, FQ); Tam, WY (Tam, WY); Li, JS (Li, JS); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER Volume: 17 **Issue:** 13 **Pages:** 2177-2190 **DOI:** 10.1088/0953-8984/17/13/015 **Published:** APR 6

2005

Times Cited in Web of Science: 14

Total Times Cited: 14

ISSN: 0953-8984

Record 162 of 353

Title: Neutral nanoparticle-based display

Author(s): Wen, WJ (Wen, WJ); Weisbuch, C (Weisbuch, C); Phuong, DM (Phuong, DM); Lu, G (Lu, G); Ge, W (Ge, W); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: NANOTECHNOLOGY **Volume:** 16 **Issue:** 4 **Pages:** 598-601 **DOI:** 10.1088/0957-4484/16/4/044 **Published:** APR 2005

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0957-4484

Record 163 of 353

Title: Quasi-periodic planar metamaterial substrates

Author(s): Li, HQ (Li, HQ); Hang, ZH (Hang, ZH); Qin, YQ (Qin, YQ); Wei, ZY (Wei, ZY); Zhou, L (Zhou, L); Zhang, YW (Zhang, YW); Chen, H (Chen, H); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS LETTERS **Volume:** 86 **Issue:** 12 **Article Number:** 121108 **DOI:** 10.1063/1.1887822 **Published:** MAR 21 2005

Times Cited in Web of Science: 5

Total Times Cited: 7

ISSN: 0003-6951

Record 164 of 353

Title: Vortex-like surface wave and its role in the transient phenomena of meta-material focusing

Author(s): Zhou, L (Zhou, L); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS LETTERS **Volume:** 86 **Issue:** 10 **Article Number:** 101104 **DOI:** 10.1063/1.1879104 **Published:** MAR 7 2005

Times Cited in Web of Science: 19

Total Times Cited: 20

ISSN: 0003-6951

Record 165 of 353

Title: Directive emissions from subwavelength metamaterial-based cavities

Author(s): Zhou, L (Zhou, L); Li, HQ (Li, HQ); Qin, YQ (Qin, YQ); Wei, ZY (Wei, ZY); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS LETTERS **Volume:** 86 **Issue:** 10 **Article Number:** 101101 **DOI:** 10.1063/1.1881797 **Published:** MAR 7 2005

Times Cited in Web of Science: 47

Total Times Cited: 55

ISSN: 0003-6951

eISSN: 1077-3118

Record 166 of 353

Title: Fabrication of three-dimensional polymer photonic crystal by a single beam laser holographic lithography

Author(s): Wu, LJ (Wu, LJ); Zhong, YC (Zhong, YC); Chan, CT (Chan, CT); Wong, KS (Wong, KS); Wang, GP (Wang, GP)

Book Group Author(s): IEEE

Source: 2005 Conference on Lasers & Electro-Optics (CLEO), Vols 1-3 **Pages:** 994-996 **Published:** 2005

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: Conference on Lasers and Electro-Optics (CLEO)

Conference Date: MAY 22-27, 2005

Conference Location: Baltimore, MD

ISBN: 1-55752-795-4

Record 167 of 353

Title: Effect of external electric field on the surface energetics of Ag/Si(111)

Author(s): He, Y (He, Y); Wei, XY (Wei, XY); Chan, CT (Chan, CT); Che, JG (Che, JG)

Source: PHYSICAL REVIEW B **Volume:** 71 **Issue:** 4 **Article**

Number: 045401 **DOI:** 10.1103/PhysRevB.71.045401 **Published:** JAN 2005

Times Cited in Web of Science: 12

Total Times Cited: 12

ISSN: 1098-0121

Record 168 of 353

Title: Analytic model of phononic crystals with local resonances

Author(s): Liu, ZY (Liu, ZY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW B **Volume:** 71 **Issue:** 1 **Article**

Number: 014103 **DOI:** 10.1103/PhysRevB.71.014103 **Published:** JAN 2005

Times Cited in Web of Science: 142

Total Times Cited: 150

ISSN: 1098-0121

Record 169 of 353

Title: Optical properties of nanoparticle-based metallodielectric inverse opals

Author(s): Wang, DY (Wang, DY); Li, JS (Li, JS); Chan, CT (Chan, CT); Sagueirino-Maceira, V

(Sagueirino-Maceira, V); Liz-Marzan, LM (Liz-Marzan, LM); Romanov, S (Romanov, S); Caruso, F (Caruso, F)

Source: SMALL **Volume:** 1 **Issue:** 1 **Pages:** 122-130 **DOI:** 10.1002/sml.200400022 **Published:** JAN 2005

Times Cited in Web of Science: 35

Total Times Cited: 36

ISSN: 1613-6810

Record 170 of 353

Title: Classical wave localization and spectral gap materials

Author(s): Sheng, P (Sheng, P); Chan, CT (Chan, CT)

Source: ZEITSCHRIFT FUR

KRISTALLOGRAPHIE **Volume:** 220 **Issue:** 9-10 **Pages:** 757-764 **DOI:** 10.1524/zkri.2005.220.9-10.757 **Published:** 2005

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 0044-2968

Record 171 of 353

Title: Tunneling and dispersion in 3D phononic crystals

Author(s): Page, JH (Page, JH); Yang, SX (Yang, SX); Liu, ZY (Liu, ZY); Cowan, ML (Cowan, ML); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: ZEITSCHRIFT FUR

KRISTALLOGRAPHIE **Volume:** 220 **Issue:** 9-10 **Pages:** 859-870 **DOI:** 10.1524/zkri.2005.220.9-10.859 **Published:** 2005

Times Cited in Web of Science: 8

Total Times Cited: 9

ISSN: 0044-2968

Record 172 of 353

Title: Transmission properties of locally resonant sonic materials with finite slab thickness

Author(s): Fung, KH (Fung, KH); Liu, ZY (Liu, ZY); Chan, CT (Chan, CT)

Source: ZEITSCHRIFT FUR

KRISTALLOGRAPHIE **Volume:** 220 **Issue:** 9-10 **Pages:** 871-876 **DOI:** 10.1524/zkri.2005.220.9-10.871 **Published:** 2005

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0044-2968

Record 173 of 353

Title: Phononic crystals

Author(s): Page, JH (Page, JH); Sukhovich, A (Sukhovich, A); Yang, SX (Yang, SX); Cowan, ML (Cowan, ML); Van der Biest, F (Van der Biest, F); Tourin, A (Tourin, A); Fink, M (Fink, M); Liu, ZY (Liu, ZY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICA STATUS SOLIDI B-BASIC

RESEARCH Volume: 241 **Issue:** 15 **Pages:** 3454-3462 **DOI:** 10.1002/pssb.200405363 **Published:** DEC 2004

Times Cited in Web of Science: 36

Total Times Cited: 38

ISSN: 0370-1972

Record 174 of 353

Title: Photonic crystals with silver nanowires as a near-infrared superlens (vol 85, pg 1520, 2004)

Author(s): Hu, XH (Hu, XH); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS

LETTERS Volume: 85 **Issue:** 22 **Pages:** 5472-5472 **DOI:** 10.1063/1.1839598 **Published:** NOV 29 2004

Times Cited in Web of Science: 1

Total Times Cited: 1

ISSN: 0003-6951

Record 175 of 353

Title: Double-negative acoustic metamaterial

Author(s): Li, J (Li, J); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW E **Volume:** 70 **Issue:** 5 **Article**

Number: 055602 **DOI:** 10.1103/PhysRevE.70.055602 **Part:** 2 **Published:** NOV 2004

Times Cited in Web of Science: 214

Total Times Cited: 221

ISSN: 1539-3755

Record 176 of 353

Title: Large photonic band gaps in certain periodic and quasiperiodic networks in two and three dimensions

Author(s): Cheung, SK (Cheung, SK); Chan, TL (Chan, TL); Zhang, ZQ (Zhang, ZQ); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 70 **Issue:** 12 **Article**

Number: 125104 **DOI:** 10.1103/PhysRevB.70.125104 **Published:** SEP 2004

Times Cited in Web of Science: 12

Total Times Cited: 12

ISSN: 1098-0121

Record 177 of 353

Title: Photonic crystals with silver nanowires as a near-infrared superlens

Author(s): Hu, XH (Hu, XH); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS

LETTERS **Volume:** 85 **Issue:** 9 **Pages:** 1520-1522 **DOI:** 10.1063/1.1784883 **Published:** AUG 30 2004

Times Cited in Web of Science: 83

Total Times Cited: 93

ISSN: 0003-6951

Record 178 of 353

Title: Synthesis of 4 angstrom single-walled carbon nanotubes in catalytic Si-substituted AlPO₄-5 molecular sieves

Author(s): Li, ZM (Li, ZM); Zhai, JP (Zhai, JP); Liu, HJ (Liu, HJ); Li, IL (Li, IL); Chan, CT (Chan, CT); Sheng, P (Sheng, P); Tang, ZK (Tang, ZK)

Source: APPLIED PHYSICS

LETTERS **Volume:** 85 **Issue:** 7 **Pages:** 1253-1255 **DOI:** 10.1063/1.1781740 **Published:** AUG 16 2004

Times Cited in Web of Science: 20

Total Times Cited: 21

ISSN: 0003-6951

Record 179 of 353

Title: Focusing of sound in a 3D phononic crystal

Author(s): Yang, SX (Yang, SX); Page, JH (Page, JH); Liu, ZY (Liu, ZY); Cowan, ML (Cowan, ML); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW LETTERS **Volume:** 93 **Issue:** 2 **Article**

Number: 024301 **DOI:** 10.1103/PhysRevLett.93.024301 **Published:** JUL 9 2004

Times Cited in Web of Science: 230

Total Times Cited: 235

ISSN: 0031-9007

eISSN: 1079-7114

Record 180 of 353

Title: Efficient visible photoluminescence from carbon nanotubes in zeolite templates

Author(s): Guo, JD (Guo, JD); Yang, CL (Yang, CL); Li, ZM (Li, ZM); Bai, M (Bai, M); Liu, HJ (Liu, HJ); Li, GD (Li, GD); Wang, EG (Wang, EG); Chan, CT (Chan, CT); Tang, ZK (Tang, ZK); Ge, WK (Ge, WK); Xiao, XD (Xiao, XD)

Source: PHYSICAL REVIEW LETTERS **Volume:** 93 **Issue:** 1 **Article**

Number: 017402 **DOI:** 10.1103/PhysRevLett.93.017402 **Published:** JUL 2 2004

Times Cited in Web of Science: 43

Total Times Cited: 44

ISSN: 0031-9007

Record 181 of 353

Title: Optical properties of 0.4-nm single-wall carbon nanotubes aligned in channels of AlPO₄-5 single crystals

Author(s): Li, ZM (Li, ZM); Liu, HJ (Liu, HJ); Ye, JT (Ye, JT); Chan, CT (Chan, CT); Tang, ZK (Tang, ZK)

Source: APPLIED PHYSICS A-MATERIALS SCIENCE &

PROCESSING **Volume:** 78 **Issue:** 8 **Pages:** 1121-1128 **DOI:** 10.1007/s00339-003-2463-3 **Published:** MAY 2004

Times Cited in Web of Science: 18

Total Times Cited: 22

ISSN: 0947-8396

Record 182 of 353

Title: Carbon nanotubes-zeolite complex: A Li-intercalated compound with high storage capacity

Author(s): Liu, HJ (Liu, HJ); Li, ZM (Li, ZM); Liang, Q (Liang, Q); Tang, ZK (Tang, ZK); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS

LETTERS **Volume:** 84 **Issue:** 14 **Pages:** 2649-2651 **DOI:** 10.1063/1.1695640 **Published:** APR 5 2004

Times Cited in Web of Science: 26

Total Times Cited: 29

ISSN: 0003-6951

Record 183 of 353

Title: Two- and three-dimensional ordered structures of hollow silver spheres prepared by colloidal crystal templating

Author(s): Chen, Z (Chen, Z); Zhan, P (Zhan, P); Wang, ZL (Wang, ZL); Zhang, JH (Zhang, JH); Zhang, WY (Zhang, WY); Ming, NB (Ming, NB); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: ADVANCED

MATERIALS **Volume:** 16 **Issue:** 5 **Pages:** 417-+ **DOI:** 10.1002/adma.200306445 **Published:** MAR 5 2004

Times Cited in Web of Science: 106

Total Times Cited: 113

ISSN: 0935-9648

Record 184 of 353

Title: High-impedance reflectivity and surface-wave band gaps in metamaterials

Author(s): Zhou, L (Zhou, L); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS

LETTERS **Volume:** 84 **Issue:** 9 **Pages:** 1444-1446 **DOI:** 10.1063/1.1652236 **Published:** MAR 1 2004

Times Cited in Web of Science: 17

Total Times Cited: 18

ISSN: 0003-6951

Record 185 of 353

Title: Theoretical studies on the transmission and reflection properties of metallic planar fractals
Author(s): Zhou, L (Zhou, L); Chan, CT (Chan, CT); Sheng, P (Sheng, P)
Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS **Volume:** 37 **Issue:** 3 **Pages:** 368-373 **Article Number:** **DOI:** 10.1088/0022-3727/37/3/009 **Published:** FEB 7 2004
Times Cited in Web of Science: 27
Total Times Cited: 28
Conference Title: Conference on Dielectrics for Emerging Technologies held at the IOP Physics Congress
Conference Date: MAR 23-27, 2003
Conference Location: Edinburgh, SCOTLAND
Conference Host: Heriot Watt Univ
ISSN: 0022-3727

Record 186 of 353

Title: Relationship between surface dipole, work function and charge transfer: Some exceptions to an established rule
Author(s): Leung, TC (Leung, TC); Kao, CL (Kao, CL); Su, WS (Su, WS); Feng, YJ (Feng, YJ); Chan, CT (Chan, CT)
Source: PHYSICAL REVIEW B **Volume:** 68 **Issue:** 19 **Article Number:** 195408 **DOI:** 10.1103/PhysRevB.68.195408 **Published:** NOV 2003
Times Cited in Web of Science: 103
Total Times Cited: 106
ISSN: 1098-0121

Record 187 of 353

Title: Novel properties of 0.4 nm single-walled carbon nanotubes templated in the channels of AlPO₄-5 single crystals
Author(s): Tang, ZK (Tang, ZK); Wang, N (Wang, N); Zhang, XX (Zhang, XX); Wang, JN (Wang, JN); Chan, CT (Chan, CT); Sheng, P (Sheng, P)
Source: NEW JOURNAL OF PHYSICS **Volume:** 5 **Article Number:** 146 **Article Number:** 146 **DOI:** 10.1088/1367-2630/5/1/146 **Published:** OCT 27 2003
Times Cited in Web of Science: 13
Total Times Cited: 14
ISSN: 1367-2630

Record 188 of 353

Title: Multiband subwavelength magnetic reflectors based on fractals
Author(s): Zhou, L (Zhou, L); Wen, WJ (Wen, WJ); Chan, CT (Chan, CT); Sheng, P (Sheng, P)
Source: APPLIED PHYSICS LETTERS **Volume:** 83 **Issue:** 16 **Pages:** 3257-3259 **DOI:** 10.1063/1.1622122 **Published:** OCT 20 2003

Times Cited in Web of Science: 26

Total Times Cited: 27

ISSN: 0003-6951

Record 189 of 353

Title: Locally resonant sonic materials

Author(s): Sheng, P (Sheng, P); Zhang, XX (Zhang, XX); Liu, Z (Liu, Z); Chan, CT (Chan, CT)

Source: PHYSICA B-CONDENSED

MATTER Volume: 338 **Issue:** 1-4 **Pages:** 201-205 **DOI:** 10.1016/S0921-4526(03)00487-3 **Published:** OCT 2003

Times Cited in Web of Science: 48

Total Times Cited: 51

Conference Title: 6th International Conference on Electrical Transport and Optical Properties of Inhomogeneous Media

Conference Date: JUL 15-19, 2002

Conference Location: SNOWBIRD, UTAH

ISSN: 0921-4526

Record 190 of 353

Title: Large-area two-dimensional mesoscale quasi-crystals

Author(s): Wang, X (Wang, X); Ng, CY (Ng, CY); Tam, WY (Tam, WY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: ADVANCED

MATERIALS Volume: 15 **Issue:** 18 **Pages:** 1526-+ **DOI:** 10.1002/adma.200305263 **Published:** SEP 16 2003

Times Cited in Web of Science: 99

Total Times Cited: 100

ISSN: 0935-9648

Record 191 of 353

Title: Infrared passbands from fractal slit patterns on a metal plate

Author(s): Wen, WJ (Wen, WJ); Yang, Z (Yang, Z); Xu, G (Xu, G); Chen, YH (Chen, YH); Zhou, L (Zhou, L); Ge, WK (Ge, WK); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: APPLIED PHYSICS

LETTERS Volume: 83 **Issue:** 11 **Pages:** 2106-2108 **DOI:** 10.1063/1.1611271 **Published:** SEP 15 2003

Times Cited in Web of Science: 23

Total Times Cited: 24

ISSN: 0003-6951

Record 192 of 353

Title: Anisotropy and oblique total transmission at a planar negative-index interface

Author(s): Zhou, L (Zhou, L); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW B **Volume:** 68 **Issue:** 11 **Article**

Number: 115424 **DOI:** 10.1103/PhysRevB.68.115424 **Published:** SEP 15 2003

Times Cited in Web of Science: 45

Total Times Cited: 46

ISSN: 1098-0121

Record 193 of 353

Title: Optical properties of metallo-dielectric microspheres in opal structures

Author(s): Jiang, Y (Jiang, Y); Whitehouse, C (Whitehouse, C); Li, J (Li, J); Tam, WY (Tam, WY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: JOURNAL OF PHYSICS-CONDENSED MATTER **Volume:** 15 **Issue:** 34 **Pages:** 5871-5879 **Article**

Number: **DOI:** 10.1088/0953-8984/15/34/317 **Published:** SEP 1 2003

Times Cited in Web of Science: 16

Total Times Cited: 16

ISSN: 0953-8984

Record 194 of 353

Title: Effects due to disorder on photonic crystal-based waveguides

Author(s): Kwan, KC (Kwan, KC); Zhang, XD (Zhang, XD); Zhang, ZQ (Zhang, ZQ); Chan, CT (Chan, CT)

Source: APPLIED PHYSICS

LETTERS **Volume:** 82 **Issue:** 25 **Pages:** 4414-4416 **DOI:** 10.1063/1.1584512 **Published:** JUN 23 2003

Times Cited in Web of Science: 29

Total Times Cited: 29

ISSN: 0003-6951

Record 195 of 353

Title: Layer spacings in coherently strained epitaxial metal films

Author(s): Chung, WF (Chung, WF); Feng, YJ (Feng, YJ); Poon, HC (Poon, HC); Chan, CT (Chan, CT); Tong, SY (Tong, SY); Altman, MS (Altman, MS)

Source: PHYSICAL REVIEW LETTERS **Volume:** 90 **Issue:** 21 **Article**

Number: 216105 **DOI:** 10.1103/PhysRevLett.90.216105 **Published:** MAY 30 2003

Times Cited in Web of Science: 24

Total Times Cited: 24

ISSN: 0031-9007

Record 196 of 353

Title: Growth morphology, structure, and magnetism of ultrathin Co films on W(111)

Author(s): Man, KL (Man, KL); Zdyb, R (Zdyb, R); Huang, SF (Huang, SF); Leung, TC (Leung, TC); Chan, CT (Chan, CT); Bauer, E (Bauer, E); Altman, MS (Altman, MS)

Source: PHYSICAL REVIEW B **Volume:** 67 **Issue:** 18 **Article**

Number: 184402 **DOI:** 10.1103/PhysRevB.67.184402 **Published:** MAY 1 2003

Times Cited in Web of Science: 17

Total Times Cited: 17

ISSN: 1098-0121

Record 197 of 353

Title: Charge transfer, surface charging, and overlayer-induced faceting

Author(s): Che, JG (Che, JG); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 67 **Issue:** 12 **Article**

Number: 125411 **DOI:** 10.1103/PhysRevB.67.125411 **Published:** MAR 15 2003

Times Cited in Web of Science: 15

Total Times Cited: 15

ISSN: 1098-0121

Record 198 of 353

Title: Ultra-small single-walled carbon nanotubes and their superconductivity properties

Author(s): Tang, ZK (Tang, ZK); Zhang, LY (Zhang, LY); Wang, N (Wang, N); Zhang, XX (Zhang, XX); Wang, JN (Wang, JN); Li, GD (Li, GD); Li, ZM (Li, ZM); Wen, GH (Wen, GH); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: SYNTHETIC METALS **Volume:** 133 **Special Issue:** SI **Pages:** 689-693 **Article**

Number: **DOI:** 10.1016/S0379-6779(02)00408-3 **Published:** MAR 13 2003

Times Cited in Web of Science: 12

Total Times Cited: 12

Conference Title: 56th Yamada Conference on Crystalline Organic Metals Superconductors and Ferromagnets (ISCOM 2001)

Conference Date: SEP 09-14, 2001

Conference Location: HOKKAIDO, JAPAN

ISSN: 0379-6779

Record 199 of 353

Title: Chirality-dependent curvature effect in smallest single-walled carbon nanotubes

Author(s): Li, IL (Li, IL); Li, GD (Li, GD); Liu, HJ (Liu, HJ); Chan, CT (Chan, CT); Tang, ZK (Tang, ZK)

Source: APPLIED PHYSICS

LETTERS **Volume:** 82 **Issue:** 9 **Pages:** 1467-1469 **DOI:** 10.1063/1.1558892 **Published:** MAR 3 2003

Times Cited in Web of Science: 27

Total Times Cited: 28

ISSN: 0003-6951

Record 200 of 353

Title: Photonic band gap from a stack of positive and negative index materials

Author(s): Li, J (Li, J); Zhou, L (Zhou, L); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW LETTERS **Volume:** 90 **Issue:** 8 **Article**

Number: 083901 **DOI:** 10.1103/PhysRevLett.90.083901 **Published:** FEB 28 2003

Times Cited in Web of Science: 375

Total Times Cited: 405

ISSN: 0031-9007

Record 201 of 353

Title: Reflectivity of planar metallic fractal patterns

Author(s): Zhou, L (Zhou, L); Wen, WJ (Wen, WJ); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: APPLIED PHYSICS

LETTERS **Volume:** 82 **Issue:** 7 **Pages:** 1012-1014 **DOI:** 10.1063/1.1553993 **Published:** FEB 17 2003

Times Cited in Web of Science: 31

Total Times Cited: 31

ISSN: 0003-6951

Record 202 of 353

Title: Superconductivity in 4-angstrom carbon nanotubes

Author(s): Sheng, P (Sheng, P); Tang, ZK (Tang, ZK); Zhang, LY (Zhang, LY); Wang, N (Wang, N); Zhang, XX (Zhang, XX); Wen, GH (Wen, GH); Li, GD (Li, GD); Wang, JN (Wang, JN); Chan, CT (Chan, CT)

Edited by: Tang Z; Sheng P

Source: NANO SCIENCE AND TECHNOLOGY: NOVEL STRUCTURES AND PHENOMENA **Pages:** 128-136 **Published:** 2003

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: 2nd Croucher ASI on Nano Science and Technology

Conference Date: 2002

Conference Location: Kowloon, PEOPLES R CHINA

ISBN: 0-415-30832-1

Record 203 of 353

Title: Alkali intercalation of ultra-small radius carbon nanotubes

Author(s): Liu, HJ (Liu, HJ); Yang, JL (Yang, JL); Chan, CT (Chan, CT)

Edited by: Tang Z; Sheng P

Source: NANO SCIENCE AND TECHNOLOGY: NOVEL STRUCTURES AND

PHENOMENA **Pages:** 235-240 **Published:** 2003

Times Cited in Web of Science: 3

Total Times Cited: 3

Conference Title: 2nd Croucher ASI on Nano Science and Technology

Conference Date: 2002

Conference Location: Kowloon, PEOPLES R CHINA

ISBN: 0-415-30832-1

Record 204 of 353

Title: Optical properties of inverted opal photonic band gap crystals with stacking disorder

Author(s): Wang, ZL (Wang, ZL); Chan, CT (Chan, CT); Zhang, WY (Zhang, WY); Chen, Z (Chen, Z); Ming, NB (Ming, NB); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW E **Volume:** 67 **Issue:** 1 **Article**

Number: 016612 **DOI:** 10.1103/PhysRevE.67.016612 **Part:** 2 **Published:** JAN 2003

Times Cited in Web of Science: 30

Total Times Cited: 30

ISSN: 1539-3755

Record 205 of 353

Title: Chirality dependence of the energetics and electronic properties of Li-intercalated 4 angstrom carbon nanotubes

Author(s): Liu, HJ (Liu, HJ); Chan, CT (Chan, CT)

Source: SOLID STATE COMMUNICATIONS **Volume:** 125 **Issue:** 2 **Pages:** 77-82 **Article**

Number: **DOI:** 10.1016/S0038-1098(02)00715-9 **Published:** JAN 2003

Times Cited in Web of Science: 27

Total Times Cited: 29

ISSN: 0038-1098

Record 206 of 353

Title: Subwavelength photonic band gaps from planar fractals

Author(s): Wen, WJ (Wen, WJ); Zhou, L (Zhou, L); Li, JS (Li, JS); Ge, WK (Ge, WK); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW LETTERS **Volume:** 89 **Issue:** 22 **Article**

Number: 223901 **DOI:** 10.1103/PhysRevLett.89.223901 **Published:** NOV 25 2002

Times Cited in Web of Science: 84

Total Times Cited: 87

ISSN: 0031-9007

eISSN: 1079-7114

Record 207 of 353

Title: Properties of 4 angstrom carbon nanotubes from first-principles calculations

Author(s): Liu, HJ (Liu, HJ); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 66 **Issue:** 11 **Article**

Number: 115416 **DOI:** 10.1103/PhysRevB.66.115416 **Published:** SEP 15 2002

Times Cited in Web of Science: 145

Total Times Cited: 149

ISSN: 1098-0121

Record 208 of 353

Title: Three-component elastic wave band-gap material

Author(s): Liu, ZY (Liu, ZY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW B **Volume:** 65 **Issue:** 16 **Article**

Number: 165116 **DOI:** 10.1103/PhysRevB.65.165116 **Published:** APR 15 2002

Times Cited in Web of Science: 118

Total Times Cited: 124

ISSN: 1098-0121

Record 209 of 353

Title: Ultrasound Tunneling through 3D phononic crystals

Author(s): Yang, SX (Yang, SX); Page, JH (Page, JH); Liu, ZY (Liu, ZY); Cowan, ML (Cowan, ML); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW LETTERS **Volume:** 88 **Issue:** 10 **Article**

Number: 104301 **DOI:** 10.1103/PhysRevLett.88.104301 **Published:** MAR 11 2002

Times Cited in Web of Science: 143

Total Times Cited: 148

ISSN: 0031-9007

Record 210 of 353

Title: One-dimensional superconductivity of 0.4 nm single-wall carbon nanotubes

Author(s): Tang, ZK (Tang, ZK); Zhang, LY (Zhang, LY); Wang, N (Wang, N); Li, ZM (Li, ZM); Zhang, XX (Zhang, XX); Wang, JN (Wang, JN); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Edited by: Kuzmany H; Fink J; Mehring M; Roth S

Source: STRUCTURAL AND ELECTRONIC PROPERTIES OF MOLECULAR NANOSTRUCTURES **Book**

Series: AIP CONFERENCE PROCEEDINGS **Volume:** 633 **Pages:** 231-236 **Published:** 2002

Times Cited in Web of Science: 1

Total Times Cited: 1

Conference Title: 16th International Winterschool on Electronic Properties of Novel Materials

Conference Date: MAR 02-09, 2002

Conference Location: KIRCHBERG, AUSTRIA

ISSN: 0094-243X

ISBN: 0-7354-0088-1

Record 211 of 353

Title: Polarized absorption spectra of single-walled 4 angstrom carbon nanotubes aligned in channels of an AlPO₄₋₅ single crystal

Author(s): Li, ZM (Li, ZM); Tang, ZK (Tang, ZK); Liu, HJ (Liu, HJ); Wang, N (Wang, N); Chan, CT (Chan, CT); Saito, R (Saito, R); Okada, S (Okada, S); Li, GD (Li, GD); Chen, JS (Chen, JS); Nagasawa, N (Nagasawa, N); Tsuda, S (Tsuda, S)

Source: PHYSICAL REVIEW LETTERS **Volume:** 87 **Issue:** 12 **Article**

Number: 127401 **DOI:** 10.1103/PhysRevLett.87.127401 **Published:** SEP 17 2001

Times Cited in Web of Science: 231

Total Times Cited: 237

ISSN: 0031-9007

Record 212 of 353

Title: Three-dimensional self-assembly of metal nanoparticles: Possible photonic crystal with a complete gap below the plasma frequency

Author(s): Wang, ZL (Wang, ZL); Chan, CT (Chan, CT); Zhang, WY (Zhang, WY); Ming, NB (Ming, NB); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW B **Volume:** 64 **Issue:** 11 **Article**

Number: 113108 **DOI:** 10.1103/PhysRevB.64.113108 **Published:** SEP 15 2001

Times Cited in Web of Science: 80

Total Times Cited: 82

ISSN: 0163-1829

Record 213 of 353

Title: Theoretical study of alkali-atom insertion into small-radius carbon nanotubes to form single-atom chains

Author(s): Yang, JL (Yang, JL); Liu, HJ (Liu, HJ); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 64 **Issue:** 8 **Pages:** art.

no.-085420 **DOI:** 10.1103/PhysRevB.64.085420 **Published:** AUG 15 2001

Times Cited in Web of Science: 38

Total Times Cited: 42

ISSN: 0163-1829

Record 214 of 353

Title: Superconductivity in 4 angstrom single-walled carbon nanotubes

Author(s): Tang, ZK (Tang, ZK); Zhang, LY (Zhang, LY); Wang, N (Wang, N); Zhang, XX (Zhang, XX); Wen,

GH (Wen, GH); Li, GD (Li, GD); Wang, JN (Wang, JN); Chan, CT (Chan, CT); Sheng, P (Sheng, P)
Source: SCIENCE **Volume:** 292 **Issue:** 5526 **Pages:** 2462-2465 **DOI:** 10.1126/science.1060470 **Published:** JUN 29 2001

Times Cited in Web of Science: 422

Total Times Cited: 439

ISSN: 0036-8075

Record 215 of 353

Title: Oscillatory energetics of flat Ag films on MgO(001) art. no. 113408

Author(s): Cho, JH (Cho, JH); Kim, KS (Kim, KS); Chan, CT (Chan, CT); Zhang, ZY (Zhang, ZY)

Source: PHYSICAL REVIEW B **Volume:** 63 **Issue:** 11 **Article**

Number: 113408 **DOI:** 10.1103/PhysRevB.63.113408 **Published:** MAR 15 2001

Times Cited in Web of Science: 16

Total Times Cited: 16

ISSN: 1098-0121

Record 216 of 353

Title: Surface states in two-dimensional metallodielectric photonic crystals studied by a multiple-scattering method

Author(s): Zhang, XD (Zhang, XD); Li, LM (Li, LM); Zhang, ZQ (Zhang, ZQ); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 63 **Issue:** 12 **Pages:** art. no.-125114 **Published:** MAR 15 2001

Times Cited in Web of Science: 19

Total Times Cited: 19

ISSN: 1098-0121

Record 217 of 353

Title: First-principles study of the adsorption of C₂H₂ and C₂H₄ on Si(100)

Author(s): Cho, JH (Cho, JH); Kleinman, L (Kleinman, L); Chan, CT (Chan, CT); Kim, KS (Kim, KS)

Source: PHYSICAL REVIEW B **Volume:** 63 **Issue:** 7 **Article**

Number: 073306 **DOI:** 10.1103/PhysRevB.63.073306 **Published:** FEB 15 2001

Times Cited in Web of Science: 45

Total Times Cited: 45

ISSN: 0163-1829

Record 218 of 353

Title: Absolute photonic band gaps in 12-fold symmetric photonic quasicrystals

Author(s): Zhang, XD (Zhang, XD); Zhang, ZQ (Zhang, ZQ); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW B **Volume:** 63 **Issue:** 8 **Article**

Number: 081105 **DOI:** 10.1103/PhysRevB.63.081105 **Published:** FEB 15 2001

Times Cited in Web of Science: 108

Total Times Cited: 111

ISSN: 0163-1829

Record 219 of 353

Title: Multiple scattering theory and its application to photonic band gap systems consisting of coated spheres

Author(s): Zhang, WY (Zhang, WY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: OPTICS EXPRESS **Volume:** 8 **Issue:** 3 **Pages:** 203-208 **Published:** JAN 29 2001

Times Cited in Web of Science: 29

Total Times Cited: 30

ISSN: 1094-4087

Record 220 of 353

Title: Polarized absorption spectra of 0.4nm-sized single-wall carbon nanotube arrays formed in channels of AlPO₄₋₅ single crystals

Author(s): Tang, ZK (Tang, ZK); Li, ZM (Li, ZM); Li, GD (Li, GD); Wang, N (Wang, N); Liu, HJ (Liu, HJ); Chan, CT (Chan, CT)

Edited by: Saito S; Ando T; Iwasa Y; Kikuchi K; Kobayashi M; Saito Y

Source: NANONETWORK MATERIALS: FULLERENES, NANOTUBES AND RELATED SYSTEMS **Book**

Series: AIP CONFERENCE PROCEEDINGS **Volume:** 590 **Pages:** 125-128 **Published:** 2001

Times Cited in Web of Science: 2

Total Times Cited: 2

Conference Title: International Symposium on Nanonetwork Materials, Fullerenes, Nanotubes, and Related Systems

Conference Date: JAN 15-18, 2001

Conference Location: KAMAKURA, JAPAN

ISSN: 0094-243X

ISBN: 0-7354-0032-6

Record 221 of 353

Title: Understanding some photonic band gap problems by using perturbation

Author(s): Zhang, ZQ (Zhang, ZQ); Zhang, X (Zhang, X); Li, ZY (Li, ZY); Li, TH (Li, TH); Chan, CT (Chan, CT)

Edited by: Soukoulis CM

Source: PHOTONIC CRYSTALS AND LIGHT LOCALIZATION IN THE 21ST CENTURY **Book**

Series: NATO SCIENCE SERIES, SERIES II: MATHEMATICS, PHYSICS AND CHEMISTRY **Volume:** 563 **Pages:** 535-544 **Published:** 2001

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: Conference of the NATO Advanced-Study-Institute on Photonic Crystals and Light

Localization

Conference Date: JUN 18-30, 2000

Conference Location: LIMIN HERSONISSOU, GREECE

ISBN: 0-7923-6947-5

Record 222 of 353

Title: Ordered alloying of Pd with the Mo(100) surface

Author(s): Wu, D (Wu, D); Lau, WK (Lau, WK); He, ZQ (He, ZQ); Feng, YJ (Feng, YJ); Altman, MS (Altman, MS); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW

B Volume: 62 **Issue:** 12 **Pages:** 8366-8375 **DOI:** 10.1103/PhysRevB.62.8366 **Published:** SEP 15 2000

Times Cited in Web of Science: 9

Total Times Cited: 9

ISSN: 0163-1829

Record 223 of 353

Title: Locally resonant sonic materials

Author(s): Liu, ZY (Liu, ZY); Zhang, XX (Zhang, XX); Mao, YW (Mao, YW); Zhu, YY (Zhu, YY); Yang, ZY (Yang, ZY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: SCIENCE **Volume:** 289 **Issue:** 5485 **Pages:** 1734-1736 **DOI:** 10.1126/science.289.5485.1734 **Published:** SEP 8 2000

Times Cited in Web of Science: 722

Total Times Cited: 778

ISSN: 0036-8075

Record 224 of 353

Title: Elastic wave scattering by periodic structures of spherical objects: Theory and experiment

Author(s): Liu, ZY (Liu, ZY); Chan, CT (Chan, CT); Sheng, P (Sheng, P); Goertzen, AL (Goertzen, AL); Page, JH (Page, JH)

Source: PHYSICAL REVIEW

B Volume: 62 **Issue:** 4 **Pages:** 2446-2457 **DOI:** 10.1103/PhysRevB.62.2446 **Published:** JUL 15 2000

Times Cited in Web of Science: 223

Total Times Cited: 243

ISSN: 1098-0121

Record 225 of 353

Title: Photonic band gaps from metallo-dielectric spheres

Author(s): Chan, CT (Chan, CT); Zhang, WY (Zhang, WY); Wang, ZL (Wang, ZL); Lei, XY (Lei, XY); Zheng, DG (Zheng, DG); Tam, WY (Tam, WY); Sheng, P (Sheng, P)

Source: PHYSICA

B Volume: 279 **Issue:** 1-3 **Pages:** 150-154 **DOI:** 10.1016/S0921-4526(99)00705-X **Published:** APR 2000

Times Cited in Web of Science: 25

Total Times Cited: 25

Conference Title: 5th International Conference on the Electrical Transport and Optical Properties of Inhomogeneous Media (ETOPIM5)

Conference Date: JUN 21-25, 1999

Conference Location: HONG KONG, HONG KONG

Conference Host: HONG KONG BAPTIST UNIV

ISSN: 0921-4526

Record 226 of 353

Title: Field-induced structural transition in mesocrystallites

Author(s): Sheng, P (Sheng, P); Wen, WJ (Wen, WJ); Wang, N (Wang, N); Ma, HR (Ma, HR); Lin, ZF (Lin, ZF); Tam, WY (Tam, WY); Chan, CT (Chan, CT)

Source: PHYSICA

B Volume: 279 **Issue:** 1-3 **Pages:** 168-170 **DOI:** 10.1016/S0921-4526(99)00717-6 **Published:** APR 2000

Times Cited in Web of Science: 6

Total Times Cited: 7

Conference Title: 5th International Conference on the Electrical Transport and Optical Properties of Inhomogeneous Media (ETOPIM5)

Conference Date: JUN 21-25, 1999

Conference Location: HONG KONG, HONG KONG

Conference Host: HONG KONG BAPTIST UNIV

ISSN: 0921-4526

Record 227 of 353

Title: Robust photonic band gap from tunable scatterers

Author(s): Zhang, WY (Zhang, WY); Lei, XY (Lei, XY); Wang, ZL (Wang, ZL); Zheng, DG (Zheng, DG); Tam, WY (Tam, WY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW

LETTERS Volume: 84 **Issue:** 13 **Pages:** 2853-2856 **DOI:** 10.1103/PhysRevLett.84.2853 **Published:** MAR 27 2000

Times Cited in Web of Science: 172

Total Times Cited: 184

ISSN: 0031-9007

Record 228 of 353

Title: Calculated polarizabilities of small Si clusters

Author(s): Deng, K (Deng, K); Yang, JL (Yang, JL); Chan, CT (Chan, CT)
Source: PHYSICAL REVIEW A **Volume:** 61 **Issue:** 2 **Article**
Number: 025201 **DOI:** 10.1103/PhysRevA.61.025201 **Published:** FEB 2000
Times Cited in Web of Science: 34
Total Times Cited: 37
ISSN: 1050-2947

Record 229 of 353

Title: Microstructured particles for electromagneto-rheological (EMR) applications
Author(s): Tam, WY (Tam, WY); Wen, W (Wen, W); Wang, N (Wang, N); Yi, GH (Yi, GH); Loy, MMT (Loy, MMT); Ma, H (Ma, H); Lin, Z (Lin, Z); Chan, CT (Chan, CT); Sheng, P (Sheng, P)
Edited by: Yang S; Sheng P
Source: PHYSICS AND CHEMISTRY OF NANOSTRUCTURED MATERIALS **Pages:** 159-175 **Published:** 2000
Times Cited in Web of Science: 0
Total Times Cited: 0
Conference Title: Workshop of the Advanced-Study-Institute on Physics and Chemistry of Nanostructures Materials
Conference Date: JAN, 1999
Conference Location: HONG KONG, PEOPLES R CHINA
ISBN: 0-7484-0873-8

Record 230 of 353

Title: Multiply coated microspheres. A platform for realizing fields-induced structural transition and photonic bandgap
Author(s): Sheng, P (Sheng, P); Wen, WJ (Wen, WJ); Wang, N (Wang, N); Ma, HR (Ma, HR); Lin, ZF (Lin, ZF); Zhang, WY (Zhang, WY); Lei, XY (Lei, XY); Wang, ZL (Wang, ZL); Zheng, DG (Zheng, DG); Tam, WY (Tam, WY); Chan, CT (Chan, CT)
Source: PURE AND APPLIED CHEMISTRY **Volume:** 72 **Issue:** 1-2 **Pages:** 309-315 **DOI:** 10.1351/pac200072010309 **Published:** JAN-FEB 2000
Times Cited in Web of Science: 10
Total Times Cited: 14
Conference Title: 1st IUPAC Workshop on Advanced Material (WAM1)
Conference Date: JUL 14-18, 1999
Conference Location: HONG KONG, PEOPLES R CHINA
ISSN: 0033-4545

Record 231 of 353

Title: Geometric and electronic structures of metal-substituted fullerenes C₅₉M (M=Fe, Co, Ni, and Rh)

Author(s): Ding, CG (Ding, CG); Yang, JL (Yang, JL); Cui, XY (Cui, XY); Chan, CT (Chan, CT)

Source: JOURNAL OF CHEMICAL PHYSICS **Volume:** 111 **Issue:** 18 **Pages:** 8481-8485 **Published:** NOV 8 1999

Times Cited in Web of Science: 35

Total Times Cited: 37

ISSN: 0021-9606

eISSN: 1089-7690

Record 232 of 353

Title: Resonant energy transfer between two defects in a photonic-band-gap system

Author(s): Chow, Y (Chow, Y); Li, LM (Li, LM); Zhang, ZQ (Zhang, ZQ); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW

B Volume: 60 **Issue:** 11 **Pages:** 8050-8054 **DOI:** 10.1103/PhysRevB.60.8050 **Published:** SEP 15 1999

Times Cited in Web of Science: 6

Total Times Cited: 7

ISSN: 0163-1829

Record 233 of 353

Title: Field induced structural transition in mesocrystallites

Author(s): Wen, WJ (Wen, WJ); Wang, N (Wang, N); Ma, HR (Ma, HR); Lin, ZF (Lin, ZF); Tam, WY (Tam, WY); Chan, CT (Chan, CT); Sheng, P (Sheng, P)

Source: PHYSICAL REVIEW

LETTERS Volume: 82 **Issue:** 21 **Pages:** 4248-4251 **DOI:** 10.1103/PhysRevLett.82.4248 **Published:** MAY 24 1999

Times Cited in Web of Science: 80

Total Times Cited: 93

ISSN: 0031-9007

Record 234 of 353

Title: Effect of disorder on photonic band gaps

Author(s): Sigalas, MM (Sigalas, MM); Soukoulis, CM (Soukoulis, CM); Chan, CT (Chan, CT); Biswas, R (Biswas, R); Ho, KM (Ho, KM)

Source: PHYSICAL REVIEW

B Volume: 59 **Issue:** 20 **Pages:** 12767-12770 **DOI:** 10.1103/PhysRevB.59.12767 **Published:** MAY 15 1999

Times Cited in Web of Science: 71

Total Times Cited: 73

ISSN: 1098-0121

Record 235 of 353

Title: Change of ground state configuration induced by the Stark shift of surface states in some bcc(001) surfaces

Author(s): Che, JG (Che, JG); Zhu, ZZ (Zhu, ZZ); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 82 **Issue:** 16 **Pages:** 3292-3295 **DOI:** 10.1103/PhysRevLett.82.3292 **Published:** APR 19 1999

Times Cited in Web of Science: 16

Total Times Cited: 17

ISSN: 0031-9007

Record 236 of 353

Title: Coexistence of {011} facets with {112} facets on W(111) induced by ultrathin films of Pd

Author(s): Nien, CH (Nien, CH); Madey, TE (Madey, TE); Tai, YW (Tai, YW); Leung, TC (Leung, TC); Che, JG (Che, JG); Chan, CT (Chan, CT)

Source: PHYSICAL REVIEW

B **Volume:** 59 **Issue:** 15 **Pages:** 10335-10340 **DOI:** 10.1103/PhysRevB.59.10335 **Published:** APR 15 1999

Times Cited in Web of Science: 43

Total Times Cited: 43

ISSN: 0163-1829

Record 237 of 353

Title: Defect and transmission properties of two-dimensional quasiperiodic photonic band-gap systems

Author(s): Cheng, SSM (Cheng, SSM); Li, LM (Li, LM); Chan, CT (Chan, CT); Zhang, ZQ (Zhang, ZQ)

Source: PHYSICAL REVIEW

B **Volume:** 59 **Issue:** 6 **Pages:** 4091-4099 **DOI:** 10.1103/PhysRevB.59.4091 **Published:** FEB 1 1999

Times Cited in Web of Science: 79

Total Times Cited: 79

ISSN: 0163-1829

Record 238 of 353

Title: First principles studies of overlayer-induced faceting

Author(s): Chan, CT (Chan, CT); Che, JG (Che, JG); Leung, TC (Leung, TC)

Source: PROGRESS IN SURFACE

SCIENCE **Volume:** 59 **Issue:** 1-4 **Pages:** 1-11 **DOI:** 10.1016/S0079-6816(98)00032-X **Published:** SEP-DEC 1998

Times Cited in Web of Science: 10

Total Times Cited: 10

Conference Title: Bi-Annual International Seminar on Surface Physics (ISSP-19)

Conference Date: JUN 15-19, 1998

Conference Location: POLANICA ZDROJ, POLAND

ISSN: 0079-6816

Record 239 of 353

Title: Calculated structural-dependent optical properties of alloys TiNi, TiPd, and TiPt

Author(s): Wang, XD (Wang, XD); Ye, YY (Ye, YY); Chan, CT (Chan, CT); Ho, KM (Ho, KM); Harmon, BN (Harmon, BN)

Source: PHYSICAL REVIEW

B Volume: 58 **Issue:** 6 **Pages:** 2964-2968 **DOI:** 10.1103/PhysRevB.58.2964 **Published:** AUG 1 1998

Times Cited in Web of Science: 8

Total Times Cited: 9

ISSN: 0163-1829

Record 240 of 353

Title: Ab initio study of iron and iron hydride: I. Cohesion, magnetism and electronic structure of cubic Fe and FeH

Author(s): Elsasser, C (Elsasser, C); Zhu, J (Zhu, J); Louie, SG (Louie, SG); Fahnle, M (Fahnle, M); Chan, CT (Chan, CT)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER Volume: 10 **Issue:** 23 **Pages:** 5081-5111 **DOI:** 10.1088/0953-8984/10/23/012 **Published:** JUN 15 1998

Times Cited in Web of Science: 36

Total Times Cited: 36

ISSN: 0953-8984

Record 241 of 353

Title: Ab initio study of iron and iron hydride: II. Structural and magnetic properties of close-packed Fe and FeH

Author(s): Elsasser, C (Elsasser, C); Zhu, J (Zhu, J); Louie, SG (Louie, SG); Meyer, B (Meyer, B); Fahnle, M (Fahnle, M); Chan, CT (Chan, CT)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER Volume: 10 **Issue:** 23 **Pages:** 5113-5129 **DOI:** 10.1088/0953-8984/10/23/013 **Published:** JUN 15 1998

Times Cited in Web of Science: 21

Total Times Cited: 21

ISSN: 0953-8984

Record 242 of 353

Title: Ab initio study of iron and iron hydride: III. Vibrational states of H isotopes in Fe, Cr and Ni

Author(s): Elsasser, C (Elsasser, C); Krimmel, H (Krimmel, H); Fahnle, M (Fahnle, M); Louie, SG (Louie, SG); Chan, CT (Chan, CT)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER Volume: 10 **Issue:** 23 **Pages:** 5131-5146 **DOI:** 10.1088/0953-8984/10/23/014 **Published:** JUN 15 1998

Times Cited in Web of Science: 24

Total Times Cited: 24

ISSN: 0953-8984

Record 243 of 353

Title: Possible faceting transformation of Mo from (111) to {110}

Author(s): Che, JG (Che, JG); Chan, CT (Chan, CT)

Source: SURFACE

SCIENCE Volume: 401 **Issue:** 3 **Pages:** L432-L436 **DOI:** 10.1016/S0039-6028(97)90078-9 **Published:** APR 10 1998

Times Cited in Web of Science: 16

Total Times Cited: 17

ISSN: 0039-6028

Record 244 of 353

Title: Wave propagation in linear and nonlinear structures

Author(s): Lidorikis, E (Lidorikis, E); Busch, K (Busch, K); Li, QM (Li, QM); Chan, CT (Chan, CT); Soukoulis, CM (Soukoulis, CM)

Source: PHYSICA

D Volume: 113 **Issue:** 2-4 **Pages:** 346-365 **DOI:** 10.1016/S0167-2789(97)00289-3 **Published:** MAR 1 1998

Times Cited in Web of Science: 5

Total Times Cited: 5

Conference Title: International Conference on Fluctuations, Nonlinearity and Disorder

Conference Date: SEP 30-OCT 04, 1996

Conference Location: HERAKLION, CRETE, GREECE

ISSN: 0167-2789

Record 245 of 353

Title: Photonic band gaps in two dimensional photonic quasicrystals

Author(s): Chan, YS (Chan, YS); Chan, CT (Chan, CT); Liu, ZY (Liu, ZY)

Source: PHYSICAL REVIEW

LETTERS Volume: 80 **Issue:** 5 **Pages:** 956-959 **DOI:** 10.1103/PhysRevLett.80.956 **Published:** FEB 2 1998

Times Cited in Web of Science: 267

Total Times Cited: 281

ISSN: 0031-9007

Record 246 of 353

Title: Surface atomic structures, surface energies, and equilibrium crystal shape of molybdenum

Author(s): Che, JG (Che, JG); Chan, CT (Chan, CT); Jian, WE (Jian, WE); Leung, TC (Leung, TC)

Source: PHYSICAL REVIEW

B Volume: 57 **Issue:** 3 **Pages:** 1875-1880 **DOI:** 10.1103/PhysRevB.57.1875 **Published:** JAN 15 1998

Times Cited in Web of Science: 45

Total Times Cited: 47

ISSN: 0163-1829

Record 247 of 353

Title: Optical nonlinear response of a single nonlinear dielectric layer sandwiched between two linear dielectric structures

Author(s): Lidorikis, E (Lidorikis, E); Busch, K (Busch, K); Li, QM (Li, QM); Chan, CT (Chan, CT); Soukoulis, CM (Soukoulis, CM)

Source: PHYSICAL REVIEW

B Volume: 56 **Issue:** 23 **Pages:** 15090-15099 **DOI:** 10.1103/PhysRevB.56.15090 **Published:** DEC 15 1997

Times Cited in Web of Science: 50

Total Times Cited: 62

ISSN: 1098-0121

Record 248 of 353

Title: Faceting induced by ultrathin metal films: A first principles study

Author(s): Che, JG (Che, JG); Chan, CT (Chan, CT); Kuo, CH (Kuo, CH); Leung, TC (Leung, TC)

Source: PHYSICAL REVIEW

LETTERS Volume: 79 **Issue:** 21 **Pages:** 4230-4233 **DOI:** 10.1103/PhysRevLett.79.4230 **Published:** NOV 24 1997

Times Cited in Web of Science: 57

Total Times Cited: 59

ISSN: 0031-9007

Record 249 of 353

Title: Theoretical study of nitrogen adsorption on Zr(0001) surface

Author(s): Yamamoto, M (Yamamoto, M); Kurahashi, M (Kurahashi, M); Chan, CT (Chan, CT); Ho, KM (Ho, KM); Naito, S (Naito, S)

Source: SURFACE

SCIENCE Volume: 387 **Issue:** 1-3 **Pages:** 300-311 **DOI:** 10.1016/S0039-6028(97)00365-8 **Published:** OCT 8 1997

Times Cited in Web of Science: 14

Total Times Cited: 14

ISSN: 0039-6028

Record 250 of 353

Title: Structural and electronic properties of the martensitic alloys TiNi, TiPd, and TiPt

Author(s): Ye, YY (Ye, YY); Chan, CT (Chan, CT); Ho, KM (Ho, KM)

Source: PHYSICAL REVIEW

B Volume: 56 **Issue:** 7 **Pages:** 3678-3689 **DOI:** 10.1103/PhysRevB.56.3678 **Published:** AUG 15 1997

Times Cited in Web of Science: 76

Total Times Cited: 77

ISSN: 0163-1829

Record 251 of 353

Title: Energetics of vacancy and substitution impurities in aluminum bulk and clusters

Author(s): Turner, DE (Turner, DE); Zhu, ZZ (Zhu, ZZ); Chan, CT (Chan, CT); Mo, KM (Mo, KM)

Source: PHYSICAL REVIEW

B Volume: 55 **Issue:** 20 **Pages:** 13842-13852 **DOI:** 10.1103/PhysRevB.55.13842 **Published:** MAY 15 1997

Times Cited in Web of Science: 33

Total Times Cited: 34

ISSN: 0163-1829

Record 252 of 353

Title: First-principles calculation of oxygen adsorption on Zr(0001) surface: Possible site occupation between the second and the third layer

Author(s): Yamamoto, M (Yamamoto, M); Chan, CT (Chan, CT); Ho, KM (Ho, KM); Naito, S (Naito, S)

Source: PHYSICAL REVIEW

B Volume: 54 **Issue:** 19 **Pages:** 14111-14120 **DOI:** 10.1103/PhysRevB.54.14111 **Published:** NOV 15 1996

Times Cited in Web of Science: 28

Total Times Cited: 28

ISSN: 0163-1829

Record 253 of 353

Title: Wave propagation in nonlinear photonic band-gap materials

Author(s): Li, QM (Li, QM); Chan, CT (Chan, CT); Ho, KM (Ho, KM); Soukoulis, CM (Soukoulis, CM)

Source: PHYSICAL REVIEW

B Volume: 53 **Issue:** 23 **Pages:** 15577-15585 **DOI:** 10.1103/PhysRevB.53.15577 **Published:** JUN 15 1996

Times Cited in Web of Science: 62

Total Times Cited: 70

ISSN: 0163-1829

Record 254 of 353

Title: First-principles calculation of the longitudinal phonon in the surface-normal direction of a zirconium(0001) slab: Localization mode at the subsurface

Author(s): Yamamoto, M (Yamamoto, M); Chan, CT (Chan, CT); Ho, KM (Ho, KM); Kurahashi, M (Kurahashi, M); Naito, S (Naito, S)

Source: PHYSICAL REVIEW

B Volume: 53 **Issue:** 20 **Pages:** 13772-13776 **DOI:** 10.1103/PhysRevB.53.13772 **Published:** MAY 15 1996

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0163-1829

Record 255 of 353

Title: Localization of electromagnetic waves in two-dimensional disordered systems

Author(s): Sigalas, MM (Sigalas, MM); Soukoulis, CM (Soukoulis, CM); Chan, CT (Chan, CT); Turner, D (Turner, D)

Source: PHYSICAL REVIEW

B Volume: 53 **Issue:** 13 **Pages:** 8340-8348 **DOI:** 10.1103/PhysRevB.53.8340 **Published:** APR 1 1996

Times Cited in Web of Science: 104

Total Times Cited: 104

ISSN: 0163-1829

Record 256 of 353

Title: Environment-dependent tight-binding potential model

Author(s): Tang, MS (Tang, MS); Wang, CZ (Wang, CZ); Chan, CT (Chan, CT); Ho, KM (Ho, KM)

Source: PHYSICAL REVIEW

B Volume: 53 **Issue:** 3 **Pages:** 979-982 **DOI:** 10.1103/PhysRevB.53.979 **Published:** JAN 15 1996

Times Cited in Web of Science: 174

Total Times Cited: 176

ISSN: 0163-1829

Record 257 of 353

Title: A tight-binding model beyond two-center approximation

Author(s): Wang, CZ (Wang, CZ); Tang, MS (Tang, MS); Pan, BC (Pan, BC); Chan, CT (Chan, CT); Ho, KM (Ho, KM)

Edited by: Kaxiras E; Joannopoulos J; Vashishta P; Kalia RK

Source: MATERIALS THEORY, SIMULATIONS, AND PARALLEL ALGORITHMS **Book**

Series: MATERIALS RESEARCH SOCIETY SYMPOSIUM

PROCEEDINGS Volume: 408 **Pages:** 37-42 **Published:** 1996

Times Cited in Web of Science: 3

Total Times Cited: 3

Conference Title: Symposium on Materials Theory, Simulations, and Parallel Algorithms

Conference Date: NOV 27-DEC 01, 1995

Conference Location: BOSTON, MA

ISSN: 0272-9172

ISBN: 1-55899-311-8

Record 258 of 353

Title: Photonic band gap materials

Author(s): Biswas, R (Biswas, R); Chan, CT (Chan, CT); Sigalas, M (Sigalas, M); Soukoulis, CM (Soukoulis, CM); Ho, KM (Ho, KM)

Edited by: Soukoulis CM

Source: PHOTONIC BAND GAP MATERIALS **Book Series:** NATO ADVANCED SCIENCE INSTITUTES SERIES, SERIES E, APPLIED SCIENCES **Volume:** 315 **Pages:** 23-40 **Published:** 1996

Times Cited in Web of Science: 5

Total Times Cited: 5

Conference Title: NATO Advanced Study Institute on Photonic Band Gap Materials

Conference Date: JUN 18-30, 1995

Conference Location: ELOUNDA, GREECE

ISSN: 0168-132X

ISBN: 0-7923-3991-6

Record 259 of 353

Title: Photonic band gap structures: Studies of the transmission coefficient

Author(s): Sigalas, M (Sigalas, M); Soukoulis, CM (Soukoulis, CM); Chan, CT (Chan, CT); Ho, KM (Ho, KM)

Edited by: Soukoulis CM

Source: PHOTONIC BAND GAP MATERIALS **Book Series:** NATO ADVANCED SCIENCE INSTITUTES SERIES, SERIES E, APPLIED SCIENCES **Volume:** 315 **Pages:** 173-202 **Published:** 1996

Times Cited in Web of Science: 7

Total Times Cited: 7

Conference Title: NATO Advanced Study Institute on Photonic Band Gap Materials

Conference Date: JUN 18-30, 1995

Conference Location: ELOUNDA, GREECE

ISSN: 0168-132X

ISBN: 0-7923-3991-6

Record 260 of 353

Title: Techniques for bandstructures and defect states in photonic crystals

Author(s): Busch, K (Busch, K); Chan, CT (Chan, CT); Soukoulis, CM (Soukoulis, CM)

Edited by: Soukoulis CM

Source: PHOTONIC BAND GAP MATERIALS **Book Series:** NATO ADVANCED SCIENCE INSTITUTES SERIES, SERIES E, APPLIED SCIENCES **Volume:** 315 **Pages:** 465-485 **Published:** 1996

Times Cited in Web of Science: 8

Total Times Cited: 8

Conference Title: NATO Advanced Study Institute on Photonic Band Gap Materials

Conference Date: JUN 18-30, 1995

Conference Location: ELOUNDA, GREECE

ISSN: 0168-132X

ISBN: 0-7923-3991-6

Record 261 of 353

Title: METALLIC PHOTONIC BAND-GAP MATERIALS

Author(s): SIGALAS, MM (SIGALAS, MM); CHAN, CT (CHAN, CT); HO, KM (HO, KM); SOUKOULIS, CM (SOUKOULIS, CM)

Source: PHYSICAL REVIEW

B Volume: 52 **Issue:** 16 **Pages:** 11744-11751 **DOI:** 10.1103/PhysRevB.52.11744 **Published:** OCT 15 1995

Times Cited in Web of Science: 223

Total Times Cited: 240

ISSN: 1098-0121

Record 262 of 353

Title: STRUCTURES AND ENERGIES OF COMPRESSION TWIN BOUNDARIES IN HCP TI AND ZR

Author(s): MORRIS, JR (MORRIS, JR); YE, YY (YE, YY); HO, KM (HO, KM); CHAN, CT (CHAN, CT); YOO, MH (YOO, MH)

Source: PHILOSOPHICAL MAGAZINE A-PHYSICS OF CONDENSED MATTER STRUCTURE DEFECTS AND MECHANICAL PROPERTIES **Volume:** 72 **Issue:** 3 **Pages:** 751-763 **Published:** SEP 1995

Times Cited in Web of Science: 16

Total Times Cited: 16

ISSN: 0141-8610

Record 263 of 353

Title: ORDER-N SPECTRAL METHOD FOR ELECTROMAGNETIC-WAVES

Author(s): CHAN, CT (CHAN, CT); YU, QL (YU, QL); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 51 **Issue:** 23 **Pages:** 16635-16642 **DOI:** 10.1103/PhysRevB.51.16635 **Published:** JUN 15 1995

Times Cited in Web of Science: 244

Total Times Cited: 272

ISSN: 0163-1829

Record 264 of 353

Title: AB-INITIO INVESTIGATION OF THE VIBRATIONAL AND GEOMETRICAL PROPERTIES OF SOLID C-60 AND K3C60

Author(s): BOHNEN, KP (BOHNEN, KP); HEID, R (HEID, R); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: PHYSICAL REVIEW

B Volume: 51 **Issue:** 9 **Pages:** 5805-5813 **DOI:** 10.1103/PhysRevB.51.5805 **Published:** MAR 1 1995

Times Cited in Web of Science: 25

Total Times Cited: 25

ISSN: 0163-1829

Record 265 of 353

Title: NEW STRUCTURES AND ALGORITHMS FOR PHOTONIC BAND-GAPS

Author(s): CHAN, CT (CHAN, CT); DATTA, S (DATTA, S); YU, QL (YU, QL); SIGALAS, M (SIGALAS, M); HO, KM (HO, KM); SOUKOULIS, CM (SOUKOULIS, CM)

Source: PHYSICA A-STATISTICAL MECHANICS AND ITS

APPLICATIONS Volume: 211 **Issue:** 4 **Pages:** 411-419 **DOI:** 10.1016/0378-4371(94)00133-2 **Published:** NOV 15 1994

Times Cited in Web of Science: 12

Total Times Cited: 12

ISSN: 0378-4371

Record 266 of 353

Title: STRUCTURE OF COLLAPSED SOLID C-60

Author(s): ZHANG, BL (ZHANG, BL); WANG, CZ (WANG, CZ); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: EUROPHYSICS

LETTERS Volume: 28 **Issue:** 4 **Pages:** 219-224 **DOI:** 10.1209/0295-5075/28/4/001 **Published:** NOV 1 1994

Times Cited in Web of Science: 17

Total Times Cited: 17

ISSN: 0295-5075

Record 267 of 353

Title: TIGHT-BINDING MOLECULAR-DYNAMICS WITH LINEAR SYSTEM-SIZE SCALING

Author(s): QIU, SY (QIU, SY); WANG, CZ (WANG, CZ); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER Volume: 6 **Issue:** 43 **Pages:** 9153-9172 **DOI:** 10.1088/0953-8984/6/43/015 **Published:** OCT 24 1994

Times Cited in Web of Science: 41

Total Times Cited: 41

ISSN: 0953-8984

Record 268 of 353

Title: SURFACE BAND STRUCTURES ON NB(001)

Author(s): FANG, BS (FANG, BS); LO, WS (LO, WS); CHIEN, TS (CHIEN, TS); LEUNG, TC (LEUNG, TC); LUE, CY (LUE, CY); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 50 **Issue:** 15 **Pages:** 11093-11101 **DOI:** 10.1103/PhysRevB.50.11093 **Published:** OCT 15 1994

Times Cited in Web of Science: 34

Total Times Cited: 34

ISSN: 0163-1829

Record 269 of 353

Title: FIRST-PRINCIPLES CALCULATIONS OF THE SURFACE RELAXATION AND ELECTRONIC-STRUCTURE OF ZR(0001)

Author(s): YAMAMOTO, M (YAMAMOTO, M); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 50 **Issue:** 11 **Pages:** 7932-7939 **DOI:** 10.1103/PhysRevB.50.7932 **Published:** SEP 15 1994

Times Cited in Web of Science: 19

Total Times Cited: 19

ISSN: 1098-0121

Record 270 of 353

Title: RANGE OF FORCES ON HOST-METAL ATOMS AROUND INTERSTITIAL HYDROGEN IN PD AND NB

Author(s): ELSASSER, C (ELSASSER, C); FAHNLE, M (FAHNLE, M); SCHIMMELE, L (SCHIMMELE, L); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 50 **Issue:** 8 **Pages:** 5155-5159 **DOI:** 10.1103/PhysRevB.50.5155 **Published:** AUG 15 1994

Times Cited in Web of Science: 12

Total Times Cited: 12

ISSN: 0163-1829

Record 271 of 353

Title: MEASUREMENT OF A 3-DIMENSIONAL PHOTONIC BAND-GAP IN A CRYSTAL-STRUCTURE MADE OF DIELECTRIC RODS

Author(s): OZBAY, E (OZBAY, E); ABEYTA, A (ABEYTA, A); TUTTLE, G (TUTTLE, G); TRINGIDES, M (TRINGIDES, M); BISWAS, R (BISWAS, R); CHAN, CT (CHAN, CT); SOUKOULIS, CM (SOUKOULIS, CM); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 50 **Issue:** 3 **Pages:** 1945-1948 **DOI:** 10.1103/PhysRevB.50.1945 **Published:** JUL 15 1994

Times Cited in Web of Science: 206

Total Times Cited: 210

ISSN: 0163-1829

Record 272 of 353

Title: A7 STRUCTURE - A FAMILY OF PHOTONIC CRYSTALS

Author(s): CHAN, CT (CHAN, CT); DATTA, S (DATTA, S); HO, KM (HO, KM); SOUKOULIS, CM (SOUKOULIS, CM)

Source: PHYSICAL REVIEW

B Volume: 50 **Issue:** 3 **Pages:** 1988-1991 **DOI:** 10.1103/PhysRevB.50.1988 **Published:** JUL 15 1994

Times Cited in Web of Science: 78

Total Times Cited: 78

ISSN: 0163-1829

Record 273 of 353

Title: DENSITY-FUNCTIONAL ENERGIES AND FORCES WITH GAUSSIAN-BROADENED FRACTIONAL OCCUPATIONS

Author(s): ELSASSER, C (ELSASSER, C); FAHNLE, M (FAHNLE, M); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 49 **Issue:** 19 **Pages:** 13975-13978 **DOI:** 10.1103/PhysRevB.49.13975 **Published:** MAY 15 1994

Times Cited in Web of Science: 78

Total Times Cited: 78

ISSN: 0163-1829

Record 274 of 353

Title: ELECTROMAGNETIC-WAVE PROPAGATION THROUGH DISPERSIVE AND ABSORPTIVE PHOTONIC-BAND-GAP MATERIALS

Author(s): SIGALAS, MM (SIGALAS, MM); SOUKOULIS, CM (SOUKOULIS, CM); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 49 **Issue:** 16 **Pages:** 11080-11087 **DOI:** 10.1103/PhysRevB.49.11080 **Published:** APR 15 1994

Times Cited in Web of Science: 104

Total Times Cited: 106

ISSN: 0163-1829

Record 275 of 353

Title: A 1ST-PRINCIPLES STUDY OF COMPRESSION TWINS IN HCP ZIRCONIUM

Author(s): MORRIS, JR (MORRIS, JR); YE, YY (YE, YY); HO, KM (HO, KM); CHAN, CT (CHAN, CT); YOO, MH (YOO, MH)

Source: PHILOSOPHICAL MAGAZINE

LETTERS Volume: 69 **Issue:** 4 **Pages:** 189-195 **DOI:** 10.1080/09500839408241591 **Published:** APR 1994

Times Cited in Web of Science: 8

Total Times Cited: 8

ISSN: 0950-0839

Record 276 of 353

Title: PSEUDOELASTIC BEHAVIOR OF HYPOSTOICHIOMETRIC NIAL ALLOYS - A SIMPLE-MODEL

Author(s): YE, YY (YE, YY); CHAN, CT (CHAN, CT); HO, KM (HO, KM); WANG, CZ (WANG, CZ)

Source: PHYSICAL REVIEW

B Volume: 49 **Issue:** 9 **Pages:** 5852-5857 **DOI:** 10.1103/PhysRevB.49.5852 **Published:** MAR 1 1994

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0163-1829

Record 277 of 353

Title: MELTING LINE OF ALUMINUM FROM SIMULATIONS OF COEXISTING PHASES

Author(s): MORRIS, JR (MORRIS, JR); WANG, CZ (WANG, CZ); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: PHYSICAL REVIEW

B Volume: 49 **Issue:** 5 **Pages:** 3109-3115 **DOI:** 10.1103/PhysRevB.49.3109 **Published:** FEB 1 1994

Times Cited in Web of Science: 217

Total Times Cited: 221

ISSN: 0163-1829

Record 278 of 353

Title: PHOTONIC BAND-GAPS IN 3-DIMENSIONS - NEW LAYER-BY-LAYER PERIODIC STRUCTURES

Author(s): HO, KM (HO, KM); CHAN, CT (CHAN, CT); SOUKOULIS, CM (SOUKOULIS, CM); BISWAS, R (BISWAS, R); SIGALAS, M (SIGALAS, M)

Source: SOLID STATE

COMMUNICATIONS Volume: 89 **Issue:** 5 **Pages:** 413-416 **DOI:** 10.1016/0038-1098(94)90202-X **Published**
: FEB 1994

Times Cited in Web of Science: 545

Total Times Cited: 556

ISSN: 0038-1098

Record 279 of 353

Title: 1ST PRINCIPLES CALCULATIONS FOR ANALYSIS OF MARTENSITIC TRANSFORMATIONS

Author(s): HARMON, BN (HARMON, BN); ZHAO, GL (ZHAO, GL); HO, KM (HO, KM); CHAN, CT (CHAN, CT); YE, YY (YE, YY); DING, Y (DING, Y); ZHANG, BL (ZHANG, BL)

Edited by: Yamamoto R; Furubayashi E; Doi Y; Fang R; Liu B

Source: ADVANCED MATERIALS '93, V - A & B: A: ECOMATERIALS; B: SHAPE MEMORY MATERIALS AND HYDRIDES **Book Series:** TRANSACTIONS OF THE MATERIALS RESEARCH SOCIETY OF JAPAN **Volume:** 18 **Issue:** A & B **Pages:** 809-814 **Published:** 1994

Times Cited in Web of Science: 2

Total Times Cited: 2

Conference Title: 3rd IUMRS International Conference on Advanced Materials (ICAM)

Conference Date: AUG 31-SEP 04, 1993

Conference Location: SUNSHINE CITY, JAPAN

ISBN: 0-444-81995-9

Record 280 of 353

Title: ATOMISTIC SIMULATION USING TIGHT-BINDING MOLECULAR-DYNAMICS

Author(s): QIU, SY (QIU, SY); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Edited by: Tentner AM

Source: HIGH PERFORMANCE COMPUTING SYMPOSIUM 1994: GRAND CHALLENGES IN COMPUTER SIMULATION **Pages:** 169-174 **Published:** 1994

Times Cited in Web of Science: 0

Total Times Cited: 0

Conference Title: 1994 Simulation MultiConference features the 2nd High Performance Computing Symposium, with the theme Grand Challenges in Computer Simulation

Conference Date: APR 10-15, 1994

Conference Location: SAN DIEGO, CA

ISBN: 1-56555-073-0

Record 281 of 353

Title: TRANSMISSION AND REFLECTION PROPERTIES OF PERIODIC DISPERSIVE MATERIALS

Author(s): SIGALAS, MM (SIGALAS, MM); CHAN, CT (CHAN, CT); HO, KM (HO, KM); SOUKOULIS, CM (SOUKOULIS, CM)

Edited by: Schnurr AD

Source: MODELING AND SIMULATION OF LASER SYSTEMS III **Book Series:** PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE) **Volume:** 2117 **Pages:** 23-31 **DOI:** 10.1117/12.171682 **Published:** 1994

Times Cited in Web of Science: 1

Total Times Cited: 1

Conference Title: 3rd SPIE Conference on Laser System Modeling: Modeling and Simulation of Laser Systems III

Conference Date: JAN 24-25, 1994
Conference Location: LOS ANGELES, CA
ISBN: 0-8194-1410-7

Record 282 of 353

Title: FIRST-PRINCIPLES AND MOLECULAR-DYNAMICS STUDIES OF TWIN BOUNDARIES IN HCP ZIRCONIUM

Author(s): MORRIS, JR (MORRIS, JR); YE, YY (YE, YY); HO, KM (HO, KM); CHAN, CT (CHAN, CT); YOO, MH (YOO, MH)

Edited by: Yoo MH; Wuttig M

Source: TWINNING IN ADVANCED MATERIALS **Pages:** 43-50 **Published:** 1994

Times Cited in Web of Science: 4

Total Times Cited: 4

Conference Title: Symposium on Twinning in Advanced Materials, as part of the 1993 Materials Week

Conference Date: OCT 18-20, 1993

Conference Location: PITTSBURGH, PA

ISBN: 0-87339-236-1

Record 283 of 353

Title: PHOTONIC BAND-GAPS AND DEFECTS IN 2 DIMENSIONS - STUDIES OF THE TRANSMISSION COEFFICIENT

Author(s): SIGALAS, M (SIGALAS, M); SOUKOULIS, CM (SOUKOULIS, CM); ECONOMOU, EN (ECONOMOU, EN); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 48 **Issue:** 19 **Pages:** 14121-14126 **DOI:** 10.1103/PhysRevB.48.14121 **Published:** NOV 15 1993

Times Cited in Web of Science: 143

Total Times Cited: 151

ISSN: 0163-1829

Record 284 of 353

Title: EFFECTIVE DIELECTRIC-CONSTANT OF PERIODIC COMPOSITE STRUCTURES

Author(s): DATTA, S (DATTA, S); CHAN, CT (CHAN, CT); HO, KM (HO, KM); SOUKOULIS, CM (SOUKOULIS, CM)

Source: PHYSICAL REVIEW

B Volume: 48 **Issue:** 20 **Pages:** 14936-14943 **DOI:** 10.1103/PhysRevB.48.14936 **Published:** NOV 15 1993

Times Cited in Web of Science: 117

Total Times Cited: 119

ISSN: 1098-0121

Record 285 of 353

Title: THERMAL DISINTEGRATION OF CARBON FULLERENES

Author(s): ZHANG, BL (ZHANG, BL); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 48 **Issue:** 15 **Pages:** 11381-11384 **DOI:** 10.1103/PhysRevB.48.11381 **Published:** OCT 15 1993

Times Cited in Web of Science: 48

Total Times Cited: 48

ISSN: 0163-1829

Record 286 of 353

Title: STRUCTURE AND DYNAMICS OF LIQUID CARBON

Author(s): WANG, CZ (WANG, CZ); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: PHYSICAL REVIEW

B Volume: 47 **Issue:** 22 **Pages:** 14835-14841 **DOI:** 10.1103/PhysRevB.47.14835 **Published:** JUN 1 1993

Times Cited in Web of Science: 44

Total Times Cited: 48

ISSN: 1098-0121

Record 287 of 353

Title: MELTING OF CARBON CAGES

Author(s): ZHANG, BL (ZHANG, BL); WANG, CZ (WANG, CZ); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: ZEITSCHRIFT FUR PHYSIK D-ATOMS MOLECULES AND

CLUSTERS **Volume:** 26 **Pages:** S285-S287 **Supplement:** S **Published:** MAY 1993

Times Cited in Web of Science: 3

Total Times Cited: 3

Conference Title: 6TH INTERNATIONAL SYMP ON SMALL PARTICLES AND INORGANIC CLUSTERS (ISSCIP 6)

Conference Date: SEP 16-22, 1992

Conference Location: CHICAGO, IL

ISSN: 0178-7683

Record 288 of 353

Title: SIMULATED-ANNEALING STUDIES OF STRUCTURAL TRENDS IN CARBON CLUSTERS

Author(s): XU, CH (XU, CH); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 47 **Issue:** 15 **Pages:** 9878-9880 **DOI:** 10.1103/PhysRevB.47.9878 **Published:** APR 15 1993

Times Cited in Web of Science: 28

Total Times Cited: 28

ISSN: 0163-1829

Record 289 of 353

Title: TIGHT-BINDING MOLECULAR-DYNAMICS SIMULATION OF BUCKYBALL COLLISIONS

Author(s): ZHANG, BL (ZHANG, BL); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: JOURNAL OF PHYSICAL

CHEMISTRY **Volume:** 97 **Issue:** 13 **Pages:** 3134-3138 **DOI:** 10.1021/j100115a012 **Published:** APR 1 1993

Times Cited in Web of Science: 34

Total Times Cited: 35

ISSN: 0022-3654

Record 290 of 353

Title: THE GEOMETRY OF LARGE FULLERENE CAGES - C-72 TO C-102

Author(s): ZHANG, BL (ZHANG, BL); WANG, CZ (WANG, CZ); HO, KM (HO, KM); XU, CH (XU, CH); CHAN, CT (CHAN, CT)

Source: JOURNAL OF CHEMICAL

PHYSICS **Volume:** 98 **Issue:** 4 **Pages:** 3095-3102 **DOI:** 10.1063/1.464084 **Published:** FEB 15 1993

Times Cited in Web of Science: 93

Total Times Cited: 95

ISSN: 0021-9606

Record 291 of 353

Title: ACCELERATING THE CONVERGENCE OF FORCE CALCULATIONS IN ELECTRONIC-STRUCTURE COMPUTATIONS

Author(s): CHAN, CT (CHAN, CT); BOHNEN, KP (BOHNEN, KP); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B **Volume:** 47 **Issue:** 8 **Pages:** 4771-4774 **DOI:** 10.1103/PhysRevB.47.4771 **Published:** FEB 15 1993

Times Cited in Web of Science: 27

Total Times Cited: 27

ISSN: 1098-0121

Record 292 of 353

Title: TIGHT-BINDING MOLECULAR-DYNAMICS STUDY OF AMORPHOUS-CARBON

Author(s): WANG, CZ (WANG, CZ); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 70 **Issue:** 5 **Pages:** 611-614 **DOI:** 10.1103/PhysRevLett.70.611 **Published:** FEB 1 1993

Times Cited in Web of Science: 109

Total Times Cited: 111

ISSN: 0031-9007

Record 293 of 353

Title: STRUCTURES AND STABILITIES OF CARBON FULLERENES

Author(s): WANG, CZ (WANG, CZ); ZHANG, BL (ZHANG, BL); XU, CH (XU, CH); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS

B Volume: 6 **Issue:** 23-24 **Pages:** 3833-3838 **DOI:** 10.1142/S0217979292001894 **Published:** DEC 1992

Times Cited in Web of Science: 7

Total Times Cited: 7

Conference Title: ADRIATICO RESEARCH CONF ON CLUSTERS AND FULLERENES

Conference Date: JUN 23-26, 1992

Conference Location: TRIESTE, ITALY

Conference Host: INT CTR THEORET PHYS

ISSN: 0217-9792

Record 294 of 353

Title: PHOTONIC BAND-GAPS IN PERIODIC DIELECTRIC STRUCTURES - THE SCALAR-WAVE APPROXIMATION

Author(s): DATTA, S (DATTA, S); CHAN, CT (CHAN, CT); HO, KM (HO, KM); SOUKOULIS, CM (SOUKOULIS, CM)

Source: PHYSICAL REVIEW

B Volume: 46 **Issue:** 17 **Pages:** 10650-10656 **DOI:** 10.1103/PhysRevB.46.10650 **Published:** NOV 1 1992

Times Cited in Web of Science: 24

Total Times Cited: 24

ISSN: 0163-1829

Record 295 of 353

Title: STRUCTURE OF THE $(\sqrt{3}\times\sqrt{3})R30$ -DEGREES AG/SI(111) SURFACE FROM 1ST-PRINCIPLES CALCULATIONS - REPLY

Author(s): DING, YG (DING, YG); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 69 **Issue:** 16 **Pages:** 2452-2452 **DOI:** 10.1103/PhysRevLett.69.2452 **Published:** OCT 19 1992

Times Cited in Web of Science: 39

Total Times Cited: 39

ISSN: 0031-9007

Record 296 of 353

Title: TIGHT-BINDING MOLECULAR-DYNAMICS STUDY OF THE HYDROGEN VIBRATION SPECTRUM ON A SI(111) SURFACE

Author(s): MIN, BJ (MIN, BJ); LEE, YH (LEE, YH); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 46 **Issue:** 15 **Pages:** 9677-9682 **DOI:** 10.1103/PhysRevB.46.9677 **Published:** OCT 15 1992

Times Cited in Web of Science: 22

Total Times Cited: 22

ISSN: 0163-1829

Record 297 of 353

Title: STRUCTURE AND DYNAMICS OF C-60 AND C-70 FROM TIGHT-BINDING MOLECULAR-DYNAMICS

Author(s): WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 46 **Issue:** 15 **Pages:** 9761-9767 **DOI:** 10.1103/PhysRevB.46.9761 **Published:** OCT 15 1992

Times Cited in Web of Science: 65

Total Times Cited: 66

ISSN: 0163-1829

Record 298 of 353

Title: THE GEOMETRY OF SMALL FULLERENE CAGES - C-20 TO C-70

Author(s): ZHANG, BL (ZHANG, BL); WANG, CZ (WANG, CZ); HO, KM (HO, KM); XU, CH (XU, CH); CHAN, CT (CHAN, CT)

Source: JOURNAL OF CHEMICAL

PHYSICS Volume: 97 **Issue:** 7 **Pages:** 5007-5011 **DOI:** 10.1063/1.463854 **Published:** OCT 1 1992

Times Cited in Web of Science: 113

Total Times Cited: 119

ISSN: 0021-9606

Record 299 of 353

Title: SYSTEMATIC STUDY OF STRUCTURES AND STABILITIES OF FULLERENES

Author(s): ZHANG, BL (ZHANG, BL); XU, CH (XU, CH); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 46 **Issue:** 11 **Pages:** 7333-7336 **DOI:** 10.1103/PhysRevB.46.7333 **Published:** SEP 15 1992

Times Cited in Web of Science: 74

Total Times Cited: 76

ISSN: 0163-1829

Record 300 of 353

Title: THEORETICAL INVESTIGATION OF THE STRUCTURE OF THE
(ROOT-3X-ROOT-3R30-DEGREES-AU/SI(111) SURFACE

Author(s): DING, YG (DING, YG); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: SURFACE

SCIENCE **Volume:** 275 **Issue:** 3 **Pages:** L691-L696 **DOI:** 10.1016/0039-6028(92)90785-5 **Published:** SEP 15
1992

Times Cited in Web of Science: 65

Total Times Cited: 65

ISSN: 0039-6028

Record 301 of 353

Title: INITIAL GROWTH MODE OF AU ON AG(110) STUDIED WITH 1ST-PRINCIPLES CALCULATIONS

Author(s): CHAN, CT (CHAN, CT); BOHNEN, KP (BOHNEN, KP); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 69 **Issue:** 11 **Pages:** 1672-1675 **DOI:** 10.1103/PhysRevLett.69.1672 **Published:** SEP 14
1992

Times Cited in Web of Science: 56

Total Times Cited: 56

ISSN: 0031-9007

Record 302 of 353

Title: A TRANSFERABLE TIGHT-BINDING POTENTIAL FOR CARBON

Author(s): XU, CH (XU, CH); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER **Volume:** 4 **Issue:** 28 **Pages:** 6047-6054 **DOI:** 10.1088/0953-8984/4/28/006 **Published:** JUL 13
1992

Times Cited in Web of Science: 532

Total Times Cited: 540

ISSN: 0953-8984

Record 303 of 353

Title: 1ST-PRINCIPLES PSEUDOPOTENTIAL CALCULATIONS FOR HYDROGEN IN 4D-TRANSITION
METALS .1. MIXED-BASIS METHOD FOR TOTAL ENERGIES AND FORCES

Author(s): HO, KM (HO, KM); ELSASSER, C (ELSASSER, C); CHAN, CT (CHAN, CT); FAHNLE, M
(FAHNLE, M)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER **Volume:** 4 **Issue:** 22 **Pages:** 5189-5206 **DOI:** 10.1088/0953-8984/4/22/017 **Published:** JUN 1

1992

Times Cited in Web of Science: 106

Total Times Cited: 106

ISSN: 0953-8984

Record 304 of 353

Title: 1ST-PRINCIPLES PSEUDOPOTENTIAL CALCULATIONS FOR HYDROGEN IN 4D-TRANSITION METALS .2. VIBRATIONAL-STATES FOR INTERSTITIAL HYDROGEN ISOTOPES

Author(s): ELSASSER, C (ELSASSER, C); HO, KM (HO, KM); CHAN, CT (CHAN, CT); FAHNLE, M (FAHNLE, M)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER Volume: 4 **Issue:** 22 **Pages:** 5207-5226 **DOI:** 10.1088/0953-8984/4/22/018 **Published:** JUN 1 1992

Times Cited in Web of Science: 48

Total Times Cited: 48

ISSN: 0953-8984

Record 305 of 353

Title: TIGHT-BINDING MOLECULAR-DYNAMICS STUDY OF LIQUID SI

Author(s): WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 45 **Issue:** 21 **Pages:** 12227-12232 **DOI:** 10.1103/PhysRevB.45.12227 **Published:** JUN 1 1992

Times Cited in Web of Science: 70

Total Times Cited: 72

ISSN: 0163-1829

Record 306 of 353

Title: ON THE BILAYER GROWTH MODE OF AU ON AG(110)

Author(s): BOHNEN, KP (BOHNEN, KP); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: SURFACE

SCIENCE Volume: 268 **Issue:** 1-3 **Pages:** L284-L286 **DOI:** 10.1016/0039-6028(92)90936-Z **Published:** MAY 1 1992

Times Cited in Web of Science: 11

Total Times Cited: 11

ISSN: 0039-6028

Record 307 of 353

Title: DISINTEGRATION AND FORMATION OF C-60

Author(s): WANG, CZ (WANG, CZ); XU, CH (XU, CH); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: JOURNAL OF PHYSICAL CHEMISTRY **Volume:** 96 **Issue:** 9 **Pages:** 3563-3565 **DOI:** 10.1021/j100188a001 **Published:** APR 30 1992
Times Cited in Web of Science: 74
Total Times Cited: 74
ISSN: 0022-3654

Record 308 of 353

Title: TIGHT-BINDING MODEL FOR HYDROGEN-SILICON INTERACTIONS

Author(s): MIN, BJ (MIN, BJ); LEE, YH (LEE, YH); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 45 **Issue:** 12 **Pages:** 6839-6843 **DOI:** 10.1103/PhysRevB.45.6839 **Published:** MAR 15 1992

Times Cited in Web of Science: 34

Total Times Cited: 35

ISSN: 0163-1829

Record 309 of 353

Title: 1ST-PRINCIPLES TOTAL-ENERGY CALCULATION OF GALLIUM NITRIDE

Author(s): MIN, BJ (MIN, BJ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 45 **Issue:** 3 **Pages:** 1159-1162 **DOI:** 10.1103/PhysRevB.45.1159 **Published:** JAN 15 1992

Times Cited in Web of Science: 96

Total Times Cited: 99

ISSN: 0163-1829

Record 310 of 353

Title: VIBRATIONAL-STATES FOR HYDROGEN IN PALLADIUM

Author(s): ELSASSER, C (ELSASSER, C); HO, KM (HO, KM); CHAN, CT (CHAN, CT); FAHNLE, M (FAHNLE, M)

Source: PHYSICAL REVIEW

B Volume: 44 **Issue:** 18 **Pages:** 10377-10380 **DOI:** 10.1103/PhysRevB.44.10377 **Published:** NOV 1 1991

Times Cited in Web of Science: 30

Total Times Cited: 30

ISSN: 0163-1829

Record 311 of 353

Title: OVERTONE PHONON STATES AND THE SHARP 2-PHONON RAMAN PEAK IN DIAMOND

Author(s): WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: SOLID STATE

COMMUNICATIONS **Volume:** 80 **Issue:** 7 **Pages:** 469-472 **DOI:** 10.1016/0038-1098(91)90052-W **Published**
: NOV 1991

Times Cited in Web of Science: 0

Total Times Cited: 0

ISSN: 0038-1098

Record 312 of 353

Title: ADSORPTION GEOMETRY AND SATURATION COVERAGE OF NA ON THE SI(100)-(2X1)
SURFACE - 1ST PRINCIPLES CALCULATIONS

Author(s): ZHANG, BL (ZHANG, BL); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 44 **Issue:** 15 **Pages:** 8210-8213 **DOI:** 10.1103/PhysRevB.44.8210 **Published:** OCT 15 1991

Times Cited in Web of Science: 25

Total Times Cited: 25

ISSN: 0163-1829

Record 313 of 353

Title: PHOTONIC BAND-GAPS IN EXPERIMENTALLY REALIZABLE PERIODIC DIELECTRIC
STRUCTURES

Author(s): CHAN, CT (CHAN, CT); HO, KM (HO, KM); SOUKOULIS, CM (SOUKOULIS, CM)

Source: EUROPHYSICS

LETTERS Volume: 16 **Issue:** 6 **Pages:** 563-568 **DOI:** 10.1209/0295-5075/16/6/009 **Published:** OCT 7 1991

Times Cited in Web of Science: 105

Total Times Cited: 109

ISSN: 0295-5075

Record 314 of 353

Title: STRUCTURE OF THE (SQUARE-ROOT-OF-3 X SQUARE-ROOT-OF-3)R30-DEGREES AG/SI(111)
SURFACE FROM 1ST-PRINCIPLES CALCULATIONS

Author(s): DING, YG (DING, YG); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

LETTERS Volume: 67 **Issue:** 11 **Pages:** 1454-1457 **DOI:** 10.1103/PhysRevLett.67.1454 **Published:** SEP 9
1991

Times Cited in Web of Science: 157

Total Times Cited: 158

ISSN: 0031-9007

Record 315 of 353

Title: GROUND-STATE PROPERTIES OF FE, CO, NI, AND THEIR MONOXIDES - RESULTS OF THE

GENERALIZED GRADIENT APPROXIMATION

Author(s): LEUNG, TC (LEUNG, TC); CHAN, CT (CHAN, CT); HARMON, BN (HARMON, BN)

Source: PHYSICAL REVIEW

B Volume: 44 **Issue:** 7 **Pages:** 2923-2927 **DOI:** 10.1103/PhysRevB.44.2923 **Published:** AUG 15 1991

Times Cited in Web of Science: 162

Total Times Cited: 163

ISSN: 0163-1829

Record 316 of 353

Title: AU(111) - A THEORETICAL-STUDY OF THE SURFACE RECONSTRUCTION AND THE SURFACE ELECTRONIC-STRUCTURE

Author(s): TAKEUCHI, N (TAKEUCHI, N); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 43 **Issue:** 17 **Pages:** 13899-13906 **DOI:** 10.1103/PhysRevB.43.13899 **Published:** JUN 15 1991

Times Cited in Web of Science: 100

Total Times Cited: 100

ISSN: 1098-0121

eISSN: 1550-235X

Record 317 of 353

Title: RECONSTRUCTION OF THE (100) SURFACES OF AU AND AG

Author(s): TAKEUCHI, N (TAKEUCHI, N); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 43 **Issue:** 18 **Pages:** 14363-14370 **DOI:** 10.1103/PhysRevB.43.14363 **Published:** JUN 15 1991

Times Cited in Web of Science: 50

Total Times Cited: 50

ISSN: 0163-1829

Record 318 of 353

Title: ABINITIO PSEUDOPOTENTIAL CALCULATIONS OF TOTAL ENERGIES AND FORCES FOR HYDROGEN IN PALLADIUM

Author(s): ELSASSER, C (ELSASSER, C); FAHNLE, M (FAHNLE, M); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: PHYSICA

B Volume: 172 **Issue:** 1-2 **Pages:** 217-224 **DOI:** 10.1016/0921-4526(91)90434-G **Published:** JUN 1991

Times Cited in Web of Science: 17

Total Times Cited: 17

Conference Title: 65TH HERAEUS SEMINAR ON ELECTRONIC STRUCTURE IN THE 1990S, ON THE OCCASION OF THE 60TH BIRTHDAY OF A J FREEMAN

Conference Date: JUL 23-25, 1990

Conference Location: BAD HONNEF, FED REP GER

ISSN: 0921-4526

Record 319 of 353

Title: ROLE OF NON-SYMMETRY-BREAKING ORDER PARAMETERS IN DETERMINING THE MARTENSITIC ENERGY BARRIER - THE BCC-TO-9R TRANSFORMATION

Author(s): GOODING, RJ (GOODING, RJ); YE, YY (YE, YY); CHAN, CT (CHAN, CT); HO, KM (HO, KM); HARMON, BN (HARMON, BN)

Source: PHYSICAL REVIEW

B Volume: 43 **Issue:** 16 **Pages:** 13626-13629 **DOI:** 10.1103/PhysRevB.43.13626 **Part:** B **Published:** JUN 1 1991

Times Cited in Web of Science: 26

Total Times Cited: 26

ISSN: 0163-1829

Record 320 of 353

Title: EFFECT OF PHONON ANOMALIES ON THE SHEAR RESPONSE OF MARTENSITIC CRYSTALS

Author(s): YE, YY (YE, YY); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

LETTERS Volume: 66 **Issue:** 15 **Pages:** 2018-2021 **DOI:** 10.1103/PhysRevLett.66.2018 **Published:** APR 15 1991

Times Cited in Web of Science: 9

Total Times Cited: 9

ISSN: 0031-9007

Record 321 of 353

Title: 1ST-PRINCIPLES CALCULATION OF THE RELAXATION AROUND A VACANCY AND THE VACANCY FORMATION ENERGY IN BCC LI

Author(s): PAWELLEK, R (PAWELLEK, R); FAHNLE, M (FAHNLE, M); ELSASSER, C (ELSASSER, C); HO, KM (HO, KM); CHAN, CT (CHAN, CT)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER Volume: 3 **Issue:** 14 **Pages:** 2451-2455 **DOI:** 10.1088/0953-8984/3/14/024 **Published:** APR 8 1991

Times Cited in Web of Science: 26

Total Times Cited: 26

ISSN: 0953-8984

Record 322 of 353

Title: MOLECULAR-DYNAMICS SIMULATION OF THERMAL-CONDUCTIVITY IN

AMORPHOUS-SILICON

Author(s): LEE, YH (LEE, YH); BISWAS, R (BISWAS, R); SOUKOULIS, CM (SOUKOULIS, CM); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 43 **Issue:** 8 **Pages:** 6573-6580 **DOI:** 10.1103/PhysRevB.43.6573 **Published:** MAR 15 1991

Times Cited in Web of Science: 93

Total Times Cited: 95

ISSN: 0163-1829

Record 323 of 353

Title: THEORY OF THE THERMAL-EXPANSION OF SI AND DIAMOND

Author(s): XU, CH (XU, CH); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B Volume: 43 **Issue:** 6 **Pages:** 5024-5027 **DOI:** 10.1103/PhysRevB.43.5024 **Published:** FEB 15 1991

Times Cited in Web of Science: 91

Total Times Cited: 92

ISSN: 0163-1829

Record 324 of 353

Title: THEORY OF PHOTON BANDS IN 3-DIMENSIONAL PERIODIC DIELECTRIC STRUCTURES - COMMENT

Author(s): HO, KM (HO, KM); CHAN, CT (CHAN, CT); SOUKOULIS, CM (SOUKOULIS, CM)

Source: PHYSICAL REVIEW

LETTERS Volume: 66 **Issue:** 3 **Pages:** 393-393 **DOI:** 10.1103/PhysRevLett.66.393 **Published:** JAN 21 1991

Times Cited in Web of Science: 9

Total Times Cited: 9

ISSN: 0031-9007

Record 325 of 353

Title: TIGHT-BINDING MOLECULAR-DYNAMICS STUDY OF DEFECTS IN SILICON

Author(s): WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

LETTERS Volume: 66 **Issue:** 2 **Pages:** 189-192 **DOI:** 10.1103/PhysRevLett.66.189 **Published:** JAN 14 1991

Times Cited in Web of Science: 145

Total Times Cited: 146

ISSN: 0031-9007

Record 326 of 353

Title: EXISTENCE OF A PHOTONIC GAP IN PERIODIC DIELECTRIC STRUCTURES

Author(s): HO, KM (HO, KM); CHAN, CT (CHAN, CT); SOUKOULIS, CM (SOUKOULIS, CM)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 65 **Issue:** 25 **Pages:** 3152-3155 **DOI:** 10.1103/PhysRevLett.65.3152 **Published:** DEC 17 1990

Times Cited in Web of Science: 1646

Total Times Cited: 1758

ISSN: 0031-9007

Record 327 of 353

Title: TIGHT-BINDING MOLECULAR-DYNAMICS STUDY OF PHONON ANHARMONIC EFFECTS IN SILICON AND DIAMOND

Author(s): WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B **Volume:** 42 **Issue:** 17 **Pages:** 11276-11283 **DOI:** 10.1103/PhysRevB.42.11276 **Published:** DEC 15 1990

Times Cited in Web of Science: 109

Total Times Cited: 109

ISSN: 1098-0121

Record 328 of 353

Title: COHESIVE PROPERTIES OF CRYSTALLINE SOLIDS BY THE GENERALIZED GRADIENT APPROXIMATION

Author(s): KONG, XJ (KONG, XJ); CHAN, CT (CHAN, CT); HO, KM (HO, KM); YE, YY (YE, YY)

Source: PHYSICAL REVIEW

B **Volume:** 42 **Issue:** 15 **Pages:** 9357-9364 **DOI:** 10.1103/PhysRevB.42.9357 **Published:** NOV 15 1990

Times Cited in Web of Science: 48

Total Times Cited: 48

ISSN: 0163-1829

Record 329 of 353

Title: 2-PHONON SPECTRUM OF DIAMOND - A MOLECULAR-DYNAMICS STUDY

Author(s): WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: SOLID STATE

COMMUNICATIONS **Volume:** 76 **Issue:** 4 **Pages:** 483-486 **DOI:** 10.1016/0038-1098(90)90654-T **Published:** OCT 1990

Times Cited in Web of Science: 13

Total Times Cited: 13

ISSN: 0038-1098

Record 330 of 353

Title: TOTAL ENERGY CALCULATIONS FOR STRUCTURAL PHASE-TRANSFORMATIONS

Author(s): YE, YY (YE, YY); CHAN, CT (CHAN, CT); HO, KM (HO, KM); HARMON, BN (HARMON, BN)

Source: INTERNATIONAL JOURNAL OF SUPERCOMPUTER APPLICATIONS AND HIGH PERFORMANCE

COMPUTING **Volume:** 4 **Issue:** 3 **Pages:** 111-121 **DOI:** 10.1177/109434209000400311 **Published:** FALL 1990

Times Cited in Web of Science: 17

Total Times Cited: 17

ISSN: 1078-3482

Record 331 of 353

Title: RELATIVISTIC EFFECTS ON GROUND-STATE PROPERTIES OF 4D-TRANSITION AND 5D-TRANSITION METALS

Author(s): ELSASSER, C (ELSASSER, C); TAKEUCHI, N (TAKEUCHI, N); HO, KM (HO, KM); CHAN, CT (CHAN, CT); BRAUN, P (BRAUN, P); FAHNLE, M (FAHNLE, M)

Source: JOURNAL OF PHYSICS-CONDENSED

MATTER **Volume:** 2 **Issue:** 19 **Pages:** 4371-4394 **DOI:** 10.1088/0953-8984/2/19/006 **Published:** MAY 14 1990

Times Cited in Web of Science: 158

Total Times Cited: 158

ISSN: 0953-8984

eISSN: 1361-648X

Record 332 of 353

Title: OBSERVATION AND STRUCTURAL DETERMINATION OF (SQUARE-ROOT-3 X SQUARE-ROOT-3)R30-DEGREES RECONSTRUCTION OF THE SI(111) SURFACE - COMMENT

Author(s): CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 64 **Issue:** 4 **Pages:** 491-491 **DOI:** 10.1103/PhysRevLett.64.491 **Published:** JAN 22 1990

Times Cited in Web of Science: 3

Total Times Cited: 3

ISSN: 0031-9007

Record 333 of 353

Title: MODEL FOR THE C(2X2) STRUCTURE INDUCED BY K ON AU(110)

Author(s): HO, KM (HO, KM); CHAN, CT (CHAN, CT); BOHNEN, KP (BOHNEN, KP)

Source: PHYSICAL REVIEW

B **Volume:** 40 **Issue:** 14 **Pages:** 9978-9981 **DOI:** 10.1103/PhysRevB.40.9978 **Published:** NOV 15 1989

Times Cited in Web of Science: 25

Total Times Cited: 25

ISSN: 0163-1829

Record 334 of 353

Title: ELECTRONIC-STRUCTURE OF DANGLING AND FLOATING BONDS IN AMORPHOUS-SILICON

Author(s): BISWAS, R (BISWAS, R); WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM); SOUKOULIS, CM (SOUKOULIS, CM)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 63 **Issue:** 14 **Pages:** 1491-1494 **DOI:** 10.1103/PhysRevLett.63.1491 **Published:** OCT 2 1989

Times Cited in Web of Science: 58

Total Times Cited: 58

ISSN: 0031-9007

Record 335 of 353

Title: THEORETICAL-STUDY OF NOBLE-METAL (100) SURFACE RECONSTRUCTIONS USING 1ST-PRINCIPLES TECHNIQUES

Author(s): TAKEUCHI, N (TAKEUCHI, N); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 63 **Issue:** 12 **Pages:** 1273-1276 **DOI:** 10.1103/PhysRevLett.63.1273 **Published:** SEP 18 1989

Times Cited in Web of Science: 68

Total Times Cited: 68

ISSN: 0031-9007

Record 336 of 353

Title: MOLECULAR-DYNAMICS STUDY OF ANHARMONIC EFFECTS IN SILICON

Author(s): WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B **Volume:** 40 **Issue:** 5 **Pages:** 3390-3393 **DOI:** 10.1103/PhysRevB.40.3390 **Published:** AUG 15 1989

Times Cited in Web of Science: 40

Total Times Cited: 40

ISSN: 0163-1829

Record 337 of 353

Title: 1ST-PRINCIPLES CALCULATIONS OF EQUILIBRIUM GROUND-STATE PROPERTIES OF AU AND AG

Author(s): TAKEUCHI, N (TAKEUCHI, N); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B **Volume:** 40 **Issue:** 3 **Pages:** 1565-1570 **DOI:** 10.1103/PhysRevB.40.1565 **Published:** JUL 15 1989

Times Cited in Web of Science: 39

Total Times Cited: 39

ISSN: 0163-1829

Record 338 of 353

Title: 1ST PRINCIPLES TOTAL ENERGY CALCULATIONS FOR THE HONEYCOMB MODEL OF THE SQUARE-ROOT-3 X SQUARE-ROOT-3 AG/SI(111) SURFACE

Author(s): CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: SURFACE

SCIENCE **Volume:** 217 **Issue:** 1-2 **Pages:** 403-412 **DOI:** 10.1016/0039-6028(89)90556-6 **Published:** JUL 1989

Times Cited in Web of Science: 15

Total Times Cited: 15

ISSN: 0039-6028

Record 339 of 353

Title: EMPIRICAL TIGHT-BINDING FORCE MODEL FOR MOLECULAR-DYNAMICS SIMULATION OF SI

Author(s): WANG, CZ (WANG, CZ); CHAN, CT (CHAN, CT); HO, KM (HO, KM)

Source: PHYSICAL REVIEW

B **Volume:** 39 **Issue:** 12 **Pages:** 8586-8592 **DOI:** 10.1103/PhysRevB.39.8586 **Published:** APR 15 1989

Times Cited in Web of Science: 98

Total Times Cited: 100

ISSN: 0163-1829

Record 340 of 353

Title: ROLE OF SURFACE-STATE NESTING IN THE INCOMMENSURATE RECONSTRUCTION OF MO(001)

Author(s): WANG, XW (WANG, XW); CHAN, CT (CHAN, CT); HO, KM (HO, KM); WEBER, W (WEBER, W)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 60 **Issue:** 20 **Pages:** 2066-2069 **DOI:** 10.1103/PhysRevLett.60.2066 **Published:** MAY 16 1988

Times Cited in Web of Science: 49

Total Times Cited: 49

ISSN: 0031-9007

Record 341 of 353

Title: PHONON FREQUENCIES AND C-C BOND DISTANCES IN GRAPHITE AND GRAPHITE-INTERCALATION COMPOUNDS

Author(s): CHAN, CT (CHAN, CT); KAMITAKAHARA, WA (KAMITAKAHARA, WA); HO, KM (HO, KM)

Source: SYNTHETIC

METALS **Volume:** 23 **Issue:** 1-4 **Pages:** 327-332 **DOI:** 10.1016/0379-6779(88)90502-4 **Published:** MAR 1988

Times Cited in Web of Science: 5

Total Times Cited: 5

ISSN: 0379-6779

Record 342 of 353

Title: ZONE-CENTER PHONON FREQUENCIES FOR GRAPHITE AND GRAPHITE-INTERCALATION COMPOUNDS - CHARGE-TRANSFER AND INTERCALATE-COUPPLING EFFECTS

Author(s): CHAN, CT (CHAN, CT); HO, KM (HO, KM); KAMITAKAHARA, WA (KAMITAKAHARA, WA)

Source: PHYSICAL REVIEW

B **Volume:** 36 **Issue:** 6 **Pages:** 3499-3502 **DOI:** 10.1103/PhysRevB.36.3499 **Published:** AUG 15 1987

Times Cited in Web of Science: 44

Total Times Cited: 44

ISSN: 0163-1829

Record 343 of 353

Title: CHARGE-TRANSFER EFFECTS IN GRAPHITE INTERCALATES - ABINITIO CALCULATIONS AND NEUTRON-DIFFRACTION EXPERIMENT

Author(s): CHAN, CT (CHAN, CT); KAMITAKAHARA, WA (KAMITAKAHARA, WA); HO, KM (HO, KM); EKLUND, PC (EKLUND, PC)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 58 **Issue:** 15 **Pages:** 1528-1531 **DOI:** 10.1103/PhysRevLett.58.1528 **Published:** APR 13 1987

Times Cited in Web of Science: 97

Total Times Cited: 97

ISSN: 0031-9007

Record 344 of 353

Title: POTENTIAL FLUCTUATIONS AND DENSITY OF GAP STATES IN AMORPHOUS-SEMICONDUCTORS

Author(s): CHAN, CT (CHAN, CT); LOUIE, SG (LOUIE, SG); PHILLIPS, JC (PHILLIPS, JC)

Source: PHYSICAL REVIEW

B **Volume:** 35 **Issue:** 6 **Pages:** 2744-2749 **DOI:** 10.1103/PhysRevB.35.2744 **Published:** FEB 15 1987

Times Cited in Web of Science: 27

Total Times Cited: 27

ISSN: 0163-1829

Record 345 of 353

Title: ABINITIO CALCULATION OF COVERAGE-DEPENDENT ADSORPTION PROPERTIES OF H ON PD(001)

Author(s): TOMANEK, D (TOMANEK, D); LOUIE, SG (LOUIE, SG); CHAN, CT (CHAN, CT)

Source: PHYSICAL REVIEW

LETTERS **Volume:** 57 **Issue:** 20 **Pages:** 2594-2597 **DOI:** 10.1103/PhysRevLett.57.2594 **Published:** NOV 17 1986

Times Cited in Web of Science: 47

Total Times Cited: 47

ISSN: 0031-9007

Record 346 of 353

Title: THEORETICAL-STUDY OF THE ELECTRONIC, STRUCTURAL, AND COHESIVE PROPERTIES OF RUTHENIUM

Author(s): CHELIKOWSKY, JR (CHELIKOWSKY, JR); CHAN, CT (CHAN, CT); LOUIE, SG (LOUIE, SG)

Source: PHYSICAL REVIEW

B **Volume:** 34 **Issue:** 10 **Pages:** 6656-6661 **DOI:** 10.1103/PhysRevB.34.6656 **Published:** NOV 15 1986

Times Cited in Web of Science: 24

Total Times Cited: 24

ISSN: 0163-1829

Record 347 of 353

Title: THEORETICAL-STUDY OF THE COHESIVE AND STRUCTURAL-PROPERTIES OF MO AND W IN BCC, FCC, AND HCP STRUCTURES

Author(s): CHAN, CT (CHAN, CT); VANDERBILT, D (VANDERBILT, D); LOUIE, SG (LOUIE, SG); CHELIKOWSKY, JR (CHELIKOWSKY, JR)

Source: PHYSICAL REVIEW

B **Volume:** 33 **Issue:** 12 **Pages:** 7941-7946 **DOI:** 10.1103/PhysRevB.33.7941 **Part:** 1 **Published:** JUN 15 1986

Times Cited in Web of Science: 41

Total Times Cited: 41

ISSN: 0163-1829

Record 348 of 353

Title: APPLICATION OF A GENERAL SELF-CONSISTENCY SCHEME IN THE LINEAR COMBINATION OF ATOMIC ORBITALS FORMALISM TO THE ELECTRONIC AND STRUCTURAL-PROPERTIES OF SI AND W

Author(s): CHAN, CT (CHAN, CT); VANDERBILT, D (VANDERBILT, D); LOUIE, SG (LOUIE, SG)

Source: PHYSICAL REVIEW

B **Volume:** 33 **Issue:** 4 **Pages:** 2455-2464 **DOI:** 10.1103/PhysRevB.33.2455 **Published:** FEB 15 1986

Times Cited in Web of Science: 58

Total Times Cited: 58

ISSN: 0163-1829

Record 349 of 353

Title: THEORETICAL-STUDY OF THE SURFACE-ENERGY AND SURFACE RELAXATION OF THE W(001) SURFACE

Author(s): CHAN, CT (CHAN, CT); LOUIE, SG (LOUIE, SG)

Source: PHYSICAL REVIEW

B Volume: 33 **Issue:** 4 **Pages:** 2861-2864 **DOI:** 10.1103/PhysRevB.33.2861 **Published:** FEB 15 1986

Times Cited in Web of Science: 25

Total Times Cited: 25

ISSN: 0163-1829

Record 350 of 353

Title: TOTAL ENERGY METHOD FOR SOLIDS AND SOLID-SURFACES

Author(s): CHELIKOWSKY, JR (CHELIKOWSKY, JR); LOUIE, SG (LOUIE, SG); VANDERBILT, D (VANDERBILT, D); CHAN, CT (CHAN, CT)

Source: INTERNATIONAL JOURNAL OF QUANTUM

CHEMISTRY **Pages:** 105-120 **Supplement:** 18 **Published:** 1984

Times Cited in Web of Science: 2

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ISSN: 0020-7608

Record 351 of 353

Title: HYDROGEN IN SUBSURFACE SITES OF PD(111) - SELF-CONSISTENT ELECTRONIC-STRUCTURE

Author(s): CHAN, CT (CHAN, CT); LOUIE, SG (LOUIE, SG)

Source: PHYSICAL REVIEW

B Volume: 30 **Issue:** 8 **Pages:** 4153-4163 **DOI:** 10.1103/PhysRevB.30.4153 **Published:** 1984

Times Cited in Web of Science: 36

Total Times Cited: 36

ISSN: 1098-0121

Record 352 of 353

Title: SELF-CONSISTENT PSEUDOPOTENTIAL CALCULATION OF THE ELECTRONIC-STRUCTURE OF PDH AND PD4H

Author(s): CHAN, CT (CHAN, CT); LOUIE, SG (LOUIE, SG)

Source: PHYSICAL REVIEW

B Volume: 27 Issue: 6 Pages: 3325-3337 DOI: 10.1103/PhysRevB.27.3325 Published: 1983

Times Cited in Web of Science: 68

Total Times Cited: 68

ISSN: 0163-1829

Record 353 of 353

Title: ELECTRONIC-STRUCTURE OF SUBSURFACE AND SURFACE CHEMISORPTION FOR HYDROGEN ON THE PD(111) SURFACE

Author(s): CHAN, CT (CHAN, CT); LOUIE, SG (LOUIE, SG)

Source: SOLID STATE

COMMUNICATIONS Volume: 48 Issue: 5 Pages: 417-420 DOI: 10.1016/0038-1098(83)90844-X Published : 1983

Times Cited in Web of Science: 24

Total Times Cited: 24

ISSN: 0038-1098
