


专書(論文集)之一章

張銘顯（CHANG, MING-SHIEN）

期刊論文

張大釗（CHANG, TA-CHAU）

期刊論文
I-Tin Lin, Yu-Lin Tsai, Chi-Chih Kang, Wei-Chun Huang, Chiung-Lin Wang, Mei-Ying Lin, Pei-Jen Lou, Jin-Yuan Shih, Hao-Chien Wang, Tzu-Hsiu Tsai, Huey-Dong Wu, I-Shiow Jan,* Ta-Chau Chang*, accepted, “BMVC test, a simple and rapid method for high accurate diagnosis of malignant pleural effusion”, CANCER MEDICINE.
SW Liu, JF Chu, CT Tsai, HC Fang, TC Chang, HW Li, 2013, “Assaying the binding strength of G-quadruplex ligands using single-molecule TPM experiments.”, ANALYTICAL BIOCHEMISTRY, 436(2), 101-8. (SCI) (IF: 2.582; SCI ranking: 51.4%)
WW Chen, CH Chien, CL Wang, HH Wang, YL Wang, ST Ding, TS Lee, TC Chang, 2013, “Automated quantitative analysis of lipid accumulation and hydrolysis in living macrophages with label-free imaging.”, ANALYTICAL AND BIOANALYTICAL CHEMISTRY, 405(26), 8549-8559. (SCI) (IF: 3.659; SCI ranking: 35.1%)
CC Kang, WC Huang, CW Kouh, ZF Wang, CC Cho, CC Chang, CL Wang, TC Chang, J Seemann, LJ Huang, 2013, “Chemical principles for the design of a novel fluorescent probe with high cancer-targeting selectivity and sensitivity.”, INTEGRATIVE BIOLOGY : QUANTITATIVE BIOSCIENCES FROM NANO TO MACRO, 5(10), 1217-28. (SCI) (IF: 4.321; SCI ranking: 34.5%)
TY Tseng, CH Chien, JF Chu, WC Huang, MY Lin, CC Chang, TC Chang, 2013, “Fluorescent probe for visualizing guanine-quadruplex DNA by fluorescence lifetime imaging microscopy”, *JOURNAL OF BIOMEDICAL OPTICS*, 18(10), 101309. (SCI) (IF: 2.881; SCI ranking: 10.6%)

TY Tseng, ZF Wang, CH Chien, TC Chang, 2013, “In-cell optical imaging of exogenous G-quadruplex DNA by fluorogenic ligands”, *NUCLEIC ACIDS RESEARCH*, 41(22), 10605-10618. (SCI) (IF: 8.278; SCI ranking: 7%)


學術會議(研討會)論文


專書(論文集)之一章


陳家俊（CHEN, CHIA-CHUN）

期刊論文


陳貴賢（CHEN, KUEI-HSIEN）

期刊論文


photoconduction and its power dependence in metal oxide semiconductor nanowires”, *Nanoscale*, 5, 6867-6873. (SCI) (IF: 6.233; SCI ranking: 9.3%)


陳賜原（CHEN, SZU-YUAN）

期刊論文


陳應誠（CHEN, YING-CHENG）

期刊論文
Yi-Hsin Chen, Meng-Jung Lee, I-Chung Wang, Shengwang Du, Yong-Fan Chen, Ying-Cheng Chen and Ite A. Yu*, 2013, “Coherent optical memory with high storage efficiency and large fractional delay”, PHYSICAL REVIEW LETTERS, 110, 083601. (SCI) (IF: 7.943; SCI ranking: 6.3%)

陈逸聰（CHEN, YIT-TSONG）

期刊論文


“Improving nanowire sensing capability by electrical field alignment of surface probing molecules”, *NANO LETTERS*, 13, 2564–2569. (SCI) (IF: 13.025; SCI ranking: 3.1%)

學術會議(研討會)論文


周美吟（CHOU, MEI-YIN）

期刊論文


韓肇中（HAN, CHAU-CHUNG）

期刊論文


Fu-Chia Yang; Bertrand Chin-Ming Tan; Wei-Hao Chen; Ya-Huei Lin; Jing-Yi Huang; Hsin-Yun Chang; Hui-Yu Sun; Pang-Hung Hsu; Gunn-Guang Liou; C.-K. James Shen; Ching-Jin Chang; Chau-Chung Han; Ming-Daw Tsai; Sheng-Chung Lee, 2013, “Reversible Acetylation Regulates Salt-Inducible Kinase (SIK2) and Its Function in Autophagy”, *J BIOL CHEM*, 288 (9): 6227-37. (SCI) (IF: 4.651; SCI ranking: 21%)

何耀錦（HO, YEW-KAM）

期刊論文

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Mukesh Pandey, Y. -C. Lin, and Y.K. Ho, accepted, "Differential Cross Sections for Charge Transfer in He-like Systems (Li+, Be2+, B3+, C4+, N5+, O6+)-Hydrogen Atoms Collisions", CHIN. J. PHYS.

Hui-Fang Lai; Yen-Chang Lin; Chih-Yuan Lin; Yew Kam Ho, 2013, “Bound-state energies, oscillator strengths, and multipole polarizabilities for the hydrogen atom with exponential-cosine screened Coulomb potentials”, CHINESE JOURNAL OF PHYSICS, 51, 73-84. (SCI) (IF: 0.477; SCI ranking: 83.8%)


Li-Guang Jiao and Y. K. Ho, 2013, “Doubly excited P-wave resonance states of H− in Debye plasmas”, PHYSICS OF PLASMAS, 20. (SCI) (IF: 2.376; SCI ranking: 25%)


Chien-Hao Lin, Yen-Chang Lin and Yew Kam Ho, 2013, “Quantifications of linear entropy in He, H- and Ps- ions using highly correlated Hylleraas functions”, FEW BODY SYSTEMS, 54. (SCI) (IF: 1.047; SCI ranking: 55%)


Yen-Chang Lin, Chih-Yuan Lin, and Yew Kam Ho, 2013, “Spatial entanglement in two-electron atomic systems”, PHYSICAL REVIEW A, 87, 022316. (SCI) (IF: 3.042; SCI ranking: 9.1%)

學術會議(研討會)論文


Li-Guang Jiao and Y. K. Ho, 2013, “Investigation of screening effects on the shape resonances in the electron-hydrogen system using the complex-scaling method”, paper presented at The 44th Annual Meeting of the Divison of Atomic, Molecular, and Optical Physics (DAMOP), Quebec City, Quebec, Canada: The Divison of Atomic, Molecular, and Optical Physics


謝佳龍（HSIEH, CHIA-LUNG）

期刊論文

許艷珠（HSU, YEN-CHU）

期刊論文

学術會議(研討會)論文


郭哲來(KUO, JER-LAI)

期刊論文


Yaojun Du*, Yun-Wen Chen, and Jer-Lai Kuo*, 2013, “First principles studies on the redox ability of (Ga1−xZnx)N1−xOx solid solutions and thermal reactions for H2 and O2 production on their surfaces”, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 15(45), 19807-19818. (SCI) (IF: 3.829; SCI ranking: 21.4%)


Qing-Fang Li and Jer-Lai Kuo*, 2013, “First-principles study of band gap engineering of ZnO by alloying with LiGaO2 for ultraviolet applications”, JOURNAL OF APPLIED PHYSICS, 114, 063715. (SCI) (IF: 2.21; SCI ranking: 26.8%)


B. Dan, T. Hamashima, C-W Tsai, A. Fujii*, Jer-Lai Kuo*, 2013, “Proton Location in (CH3)3N-H+-(CH3OH)n: A Theoretical and Infrared Spectroscopic Study”, CHEMICAL PHYSICS, 421 (27), 1-9. (SCI) (IF: 1.957; SCI ranking: 57.1%)


李遠鵬（LEE, YUAN-PERN）

期刊論文

B. Golec, P. Das, M. Bahou, and Y.-P. Lee*, 2013, “Infrared spectra of 1-pyridinium (C5H5NH+) cation and pyridinyl (C5H5NH and 4-C5H6N) radicals isolated in solid para-hydrogen”, JOURNAL OF PHYSICAL CHEMISTRY A, 117, 13680. (SCI) (IF: 2.771; SCI ranking: 32.1%)


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李遠哲（LEE, YUAN-TSEH）

期刊論文

Ming-Tsang Tsai, Sheng Lee, I-Chung lu, Kuan-Yu Chu, Chi-Wei Liang, Chih-Hao Lee, Yuan Tseh Lee, Chi-Kung Ni, 2013, “Ion-to-neutral ratio of 2,5 dihydroxybenzoic acid in matrix-assisted laser desorption/ionization”, RAPID COMMUNICATIONS IN MASS SPECTROMETRY, 27(9), 955-963. (SCI) (IF: 2.509; SCI ranking: 37.5%)

Chi-Wei Liang,Chih-Hao Lee, Yu-Jiun Lin, Yuan Tseh Lee, Chi-Kung Ni, 2013, “MALDI mechanism of dihydroxybenzoic acid isomers desorption of neutral matrix and analyte”, JOURNAL OF PHYSICAL CHEMISTRY B, 117(17),5058-5064. (SCI) (IF: 3.607; SCI ranking: 27.3%)

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李連忠（LI, LAIN-JONG）

期刊論文


C.-C. Shen, Y.-T. Hsu, L.-J. Li, and H.-L. Liu*, 2013, “Charge Dynamics and Electronic Structures of Monolayer MoS2 Films Grown by Chemical Vapor Deposition”, APPLIED PHYSICS EXPRESS, 6, 125801-1-4. (SCI) (IF: 2.731; SCI ranking: 17.5%)


J. Pu, Y. Zhang, Y. Wada, T.-W. Wang, L.-J. Li, Y. Iwasa, and T. Takenobu, 2013, “Fabrication of stretchable MoS2 thin-film transistors using elastic ion-gel gate dielectrics”, APPLIED PHYSICS LETTERS, 103(2), 023505-1-4. (SCI) (IF: 3.794; SCI ranking: 15.5%)


Broadband Photogain and Fast Optical Switching for Use in Harsh Environments”, *ACS NANO*, 7 (5), 3905-3911. (SCI) (IF: 12.062; SCI ranking: 6.3%)

L.-H. Hu, F.-Y. Wu, C.-T. Lin, A. N. Khlobystov, and L.-J. Li*, 2013, “Graphene-modified LiFePO4 cathode for lithium ion battery beyond theoretical capacity”, *NATURE COMMUNICATIONS*, 4, 1687-. (SCI) (IF: 12.062; SCI ranking: 6.3%)


學術會議(研討會)論文


Jing-Kai Huang, Yu-Te Hsu, Lain-Jong Li, 2013, “Synthesis of Monolayer Transition Metal Dichalcogenides by CVD”, paper presented at 2013 MRS Fall Meeting, Boston, USA: Boston, USA, 2013-12-01 ~ 2013-12-06.


廖仲麒 (LIAO, JUNG-CHI)

期刊论文

B. Nathwani, T.T. Yang, J.C. Liao, 2013, “Towards a subdiffraction view of motor-mediated transport in primary cilia”, CELLULAR AND MOLECULAR BIOENGINEERING, 6(1), 82-97. (SCI) (IF: 1.443; SCI ranking: 57.1%)


TT Yang, PJ Hampilos, B Nathwani, CH Miller, ND Sutaria, JC Liao, 2013, “Superresolution STED microscopy reveals differential localization in primary cilia”, CYTOSKELETON, 70(1), 54-65. (SCI) (IF: 2.865; SCI ranking: 56.6%)

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林景泉（LIN, JIING-CHUAN）
期刊论文

林志民（LIN, JIM JR-MIN）
期刊论文

林金全（LIN, KING-CHUEN）
期刊论文

林敏聰（LIN, MINN-TSONG）
期刊论文
Antiferromagnetism Drives the Magnetization of a Ferromagnetic Thin Film to Align out-of-Plane”, PHYS. REV. LETT., 110, 117203-1~117203-5. (SCI) (IF: 7.943; SCI ranking: 6.3%)

學術會議(研討會)論文


劉國平（LIU, KOPIN）

期刊論文

X. Shan, S. R. Remmert, D. C. Clary, B. Zhang, and K. Liu*, 2013, “Crossed-Beam and Reduced Dimensionality Studies of the State-to-State Integral Cross Sections of the Cl + HCD3(v) → HCl(v') + CD3 Reaction”, CHEMICAL PHYSICS LETTERS, 581, 88-92. (SCI) (IF: 2.145; SCI ranking: 42.9%)


F. Wang, K. Liu*, 2013, “Steric Effects in the Cl + CHD3(v1=1) Reaction”, CHINESE JOURNAL OF CHEMICAL PHYSICS, 26, 706-710. (SCI) (IF: 0.632; SCI ranking: 96.4%)

Fengyan Wang, Kopin Liu*, 2013, “Imaging the Effects of Bend-Excitation in the F + CD4(vb=0,1) → DF(v) + CD3(v2=1,2) Reactions”, JOURNAL OF PHYSICAL CHEMISTRY A, 117, 8536-8544. (SCI) (IF: 2.771; SCI ranking: 32.1%)


學術會議(研討會)論文


劉尚斌（LIU, SHANG BIN）

期刊論文


學術會議(研討會)論文


倪其焜 (NI, CHI-KUNG)

期刊論文


宋克嘉 (SONG, KER-JAR)

期刊論文
Chieh-Chen Chiu, Wen-Chin Lin*, Yu-Chen Yeh, and Ker-Jar Song*, 2013, “Hydrogen Adsorption Promoted Perpendicular Magnetic Anisotropy in nano-structured Fe coverage on Pd/W{112} Faceting Surface”, APPLIED PHYSICS LETTERS, 102, 242403. (SCI) (IF: 3.794; SCI ranking: 15.5%)

Nanoparticles by Xe-Gas-Assisted Growth with a Seeding Layer”, *APPL. PHYS. EXPRESS*, 6, 025501. (SCI) (IF: 2.731; SCI ranking: 17.5%)

**高橋開人 (TAKAHASHI, KAITO)**

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**曾文碧 (TZENG, WEN-BIH)**

期刊論文

Ching Yun Tsai, Wen Bih Tzeng*, 2013, “Rotamers of 3,4-difluorophenol studied by two-color resonant two-photon mass-analyzed threshold ionization spectroscopy”, *JOURNAL OF PHOTO Chemistry AND PHOTOBIOLOGY A-CHEMISTRY*, 270, 53-59. (SCI) (IF: 2.416; SCI ranking: 45.5%)

Hsin Chang Huang, Kui Shiu Shuang, Bih Yaw Jin, Wen Bih Tzeng*, 2013, “Rotamers of m-chloroanisole studied by two-color resonant two-photon mass-analyzed threshold ionization spectroscopy”, *CHEMICAL PHYSICS*, 425, 114-120. (SCI) (IF: 1.957; SCI ranking: 57.1%)

Wei Chih Huang, Po Sheng Huang, Ching Han Hu, and Wen Bih Tzeng*, 2013, “Resonant two-photon mass-analyzed threshold ionization of 2,5-difluoraniline”, *CHEMICAL PHYSICS LETTERS*, 580, 28-31. (SCI) (IF: 2.145; SCI ranking: 42.9%)

Wei Chih Huang and Wen Bih Tzeng*, 2013, “Rotamers of aromatic molecules studied by two-color resonant two photon ionization and mass-analyzed threshold ionization spectroscopy”, *Trends in Applied Spectroscopy*, 9, 75-84.

Ko Wei Lo, Wen Bih Tzeng*, 2013, “3-Chloro-4-fluoraniline studied by resonant two-photon ionization and mass-analyzed threshold ionization spectroscopy”, *JOURNAL OF MOLECULAR SPECTROSCOPY*, 288, 1-6. (SCI) (IF: 1.67; SCI ranking: 64.3%)

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王俊凱（WANG, JUEN-KAI）

期刊論文


汪治平（WANG, JYHPYNG）

期刊論文


學術會議（研討會）論文


王偉華 (WANG, WEI-HUA)

期刊論文
Cheng-Wen Huang, Bing-Jie Lin, Hsing-Ying Lin, Chen-Han Huang, Fu-Yu Shih, Wei-Hua Wang, Chih-Yi Liu, and Hsiang-Chen Chui*, 2013, “Surface-enhanced Raman scattering of suspended monolayer graphene”, NANO SCALE RESEARCH LETTERS, 8, 480. (SCI) (IF: 2.524; SCI ranking: 20.6%)
王玉麟 (WANG, YUH-LIN)

期刊論文
D.V. Gruznev, A.V. Matetskiy, L.V. Bondarenko, A.V. Zotov, A.A. Saranin, J.P. Chou, C.M. Wei, Y.L. Wang*, 2013, “Dim C60 fullerenes on Si(111) \( \sqrt{3} \times \sqrt{3} \)-Ag surface”, SURFACE SCIENCE, 612, 31–36. (SCI) (IF: 1.838; SCI ranking: 40%)
A.V. Matetskiy, L.V. Bondarenko, D.V. Gruznev, A.V. Zotov, A.A. Saranin, J.P. Chou, C.R. Hsing, C.M. Wei, Y.L. Wang*, 2013, “Peculiar diffusion of C60 on In-adsorbed Si(111) \( \sqrt{3} \times \sqrt{3} \)-Au surface”, SURFACE SCIENCE, 616, 44–50. (SCI) (IF: 1.838; SCI ranking: 40%)
魏金明 (WEI, CHING-MING)

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surface magic cluster on the Si(111)-7x7 surface”, *SURFACE SCIENCE*, 616,137-142. (SCI) (IF: 1.838; SCI ranking: 40%)


吴益群（WU, YI-CHUN）
期刊论文
Y Kuo, TY Hsu, YC Wu*, HC Chang*, 2013, “Fluorescent nanodiamond as a probe for the intercellular transport of proteins in vivo”, *BIOMATERIALS*, 34(33),8352-8360. (SCI) (IF: 7.604; SCI ranking: 4.5%)

楊大衍（YANG, DAH-YEN）
期刊论文

余慈顏（YU, TSYR-YAN）
期刊论文