原子與分子科學研究所

張煥正（CHANG, HUAN-CHENG）

期刊論文


謝銘顯 (CHANG, MING-SHIEN)

期刊論文

張大釗 (CHANG, TA-CHAU)

期刊論文
Detection of G-quadruplexes in cells and investigation of G-quadruplex structure of d(T2AG3)4 in K+ solution by a carbazole derivative: BMVC, Humana Press.


supercapacitor based on polyaniline nanowires/carbon cloth with both high gravimetric and area-normalized capacitance”, *J. Power Sources*, 195(13), 4418-4422. (SCI) (IF: 3.792; SCI ranking: 12.5%, 12.7%)


陳賜原 (CHEN, SZU-YUAN)

期刊論文

陳逸聰（CHEN, YIT-TSONG）

期刊論文

他類論文
邱慧珊、陳逸聰，2010，《奈米級場效電晶體生物感測器》，《化學》，第 68 卷，頁 47-58。

韓肇中（HAN, CHAU-CHUNG）

期刊論文

何耀錦（HO, YEW-KAM）

期刊論文
Arijit Ghoshal and Y. K. Ho, 2010, “Borromean bindings for muonic molecular ions with screened Coulomb potentials”, Journal of Physics B-Atomic Molecular and Optical Physics, 43, 115007. (SCI) (IF: 1.91; SCI ranking: 22.5%,45.5%)


Arijit Ghoshal and Y. K. Ho, 2010, “Photodetachment of the positronium negative ion with exponential cosine-screened Coulomb potentials”, Few-Body Systems, 47, 185–192. (SCI) (IF: 0.468; SCI ranking: 81.7%)


Sabyasachi Kar and Y. K. Ho, 2010, “Strong DC electric-field effects on the lowest doubly excited singlet states of helium using highly correlated exponential wave functions”, Journal of Physics B-Atomic Molecular and Optical Physics, 43, 135003. (SCI) (IF: 1.91; SCI ranking: 22.5%, 45.5%)

S. Kar and Y. K. Ho, 2010, “The 1,3Do resonance states of positronium negative ion using exponential correlated wave functions”, European Physical Journal D, 57, 13-19. (SCI) (IF: 1.42; SCI ranking: 60.6%)


學術會議(研討會)論文


plasmas”, paper presented at 10th European Conference on Atoms, Molecules and Photons (ECAMP), Salamanca, Spain: The Spanish Royal Society of Physics, the University Autonoma of Madrid, the Spanish Research Council, the Complutense University of Madrid, 2010-07-04 ~ 2010-07-09.

Y. K. Ho and Sabyasachi Kar, 2010, “Dispersion coefficients for interactions between helium atoms in Debye plasmas”, paper presented at 10th European Conference on Atoms, Molecules and Photons(ECAMP), Salamanca, Spain: The Spanish Royal Society of Physics, the University Autonoma of Madrid, the Spanish Research Council, the Complutense University of Madrid, 2010-07-04 ~ 2010-07-09.


許鮑珠 (HSU, YEN-CHU)

期刊論文
Jun-Mei Chao, Keng Seng Tham, Guiqiu Zhang, Anthony J. Merer, Yen-Chu Hsu*, in press, “The C₃-bending vibrational levels of the C₃-Kr and C₃-Xe van der Waals complexes studied by their electronic transitions and by ab initio calculations”, Journal of Chemical Physics. (SCI) (IF: 3.093; SCI ranking: 18.2%)


黃克寧 (HUANG, KEH-NING)

期刊論文

專書、論文集

孔慶昌 (KUNG, ANDREW H.)

期刊論文


學術會議(研討會)論文


郭哲來（KUO, JER-LAI）

期刊論文

Chee Kwan Gan*, Xiao-Feng Fan, and Jer-Lai Kuo, in press, “Composition-temperature Phase Diagram of BexZn1-xO from First Principles”, Computational Materials Science. (SCI) (IF: 1.522; SCI ranking: 36.9%)

Xiaofeng Fan, Dan Bing, Jingyun Zhang, Zexiang Shen, and Jer-Lai Kuo*, in press, “Predicting the hydrogen bond ordered structures of ice Ih, II, III, VI and ice VII: DFT methods with localized based set”, Computational Materials Science. (SCI) (IF: 1.522; SCI ranking: 36.9%)

Qiang Xu*, Weijun Fan, and Jer-Lai Kuo, in press, “The Band Offset of GaAsN/GaAs: The First-Principles Approach”, Computational Materials Science. (SCI) (IF: 1.522; SCI ranking: 36.9%)

Dan Bing, Toru Hamashima, Asuka Fujii* and Jer-Lai Kuo*, 2010, “Anticooperative Effect Induced by Mixed Solvation in H+(CH3OH)m(H2O)n (m + n = 5 and 6): A Theoretical and Infrared Spectroscopic


Dan Bing, Toru Hamashima, Quoc Chinh Nguyen, Asuka Fujii*, and Jer-Lai Kuo*, 2010, “Comprehensive Analysis on the Structure and Proton Switch in H+(CH3OH)m(H2O)n (m + n = 5 and 6)”, Journal of Physical Chemistry A, 114, 3096-3102. (SCI) (IF: 2.899; SCI ranking: 32.2%,24.2%)


Chen-liang Li, Jer-Lai Kuo, Biao Wang* and Rui Wang, 2010, “Effects of X (V, W, Mo, Hf, Ta, Zr) additions on the ideal brittle cleavage in Cr2Nb: First-principles determination”, Intermetallics, 18, 65-69. (SCI) (IF: 2.231; SCI ranking: 44.6%,20.6%,5.7%)


Qiang Xu*, Weijun Fan, and Jer-Lai Kuo, 2010, “The natural valence band offset of dilute GaAs$_{1-x}$N$_x$ and GaAs: The first-principles approach”, *Comp. Mater. Sci.*, 49, S150-S152. (SCI) (IF: 1.522; SCI ranking: 36.9%)


Lee Yuan-Pern

期刊论文

C.-W. Huang, Y.-C. Lee, Y.-P. Lee*, 2010, “Diminished cage effect in solid p-H$_2$: infrared spectra of CISC, CISC, and CISC in an irradiated p-H$_2$ matrix containing Cl$_2$ and CS$_2$”, *Journal of Chemical Physics*, 132, 164303. (SCI) (IF: 3.093; SCI ranking: 18.2%)


S.-Y. Chen, Y.-P. Lee*, 2010, “Transient infrared absorption of t-CH$_3$C(O)OO, c-CH$_3$C(O)OO, and α-lactone recorded in gaseous reactions of CH$_3$CO and O$_2$”, *Journal of Chemical Physics*, 132, 114303. (SCI) (IF: 3.093; SCI ranking: 18.2%)

Lee Yuan Tseh

期刊论文


Lin Jiing-Chyuan

期刊论文

林志民 (LIN, JIM JR-MIN)

學術會議(研討會)論文


林金全 (LIN, KING-CHUEN)

期刊論文


phase Photodissociation of CH₃CHBrCOCl at 248 nm: Detection of Molecular Fragments by Time-Resolved Fourier-Transform Infrared Spectroscopy”, *ChemPhysChem* (SCI) (IF: 3.453; SCI ranking: 27.3%, 15.2%)


劉國平（LIU, KOPIN）

期刊論文


專書、論文集

專書(論文集)之一章

劉尚斌（LIU, SHANG-BIN）

期刊論文

A. Zheng, F. Deng*, and S. B. Liu*, in press, “Regioselectivity of Carbonium Ion Transition States in Zeolites”, *Catalysis Today*. (SCI) (IF: 3.526; SCI ranking: 3.1%, 25.6%, 3.9%)


主編之專書(論文集)

倪其熖（NI, CHI-KUNG）

期刊論文


Chaochao Qin, Sheng Yuan Tzeng, Bing Zhang, Wen Bih Tzeng*, submitted, “Active vibrations of indene cation studied by mass-analyzed threshold ionization spectroscopy”, *J. Photochemistry and Photobiology A*.

Wei Chih Huang, Wen-Bih Tzeng*, submitted, “Cation spectroscopy of 3,4-difluoroaniline by two-color resonant two-photon mass-analyzed threshold ionization”, *J. Mol. Spectrosc.* (SCI) (IF: 1.542; SCI ranking: 51.5%, 53.8%)

Shih Chang Yang, Wen-Bih Tzeng*, submitted, “Mass analyzed threshold ionization spectroscopy of deuterium substituted isotopomers of o-fluoroaniline and m-fluoroaniline cations”, *J. Molecular Spectroscopy*.

Shih Chang Yang, Wen-Bih Tzeng*, submitted, “Mass-analyzed threshold ionization of deuterium substituted indazole and benzimidazole and site-specific H/D exchange reaction”, *Chem. Phys. Lett.* (SCI) (IF: 2.291; SCI ranking: 42.1%, 36.4%)

Chaochao Qin, Sheng-Yuan Tzeng, Bing Zhang, Wen-Bih Tzeng*, accepted, “Selected cis- and trans-p-methoxystyrene rotamers studied by mass-analyzed threshold ionization spectroscopy”, *Chem. Phys. Lett.* (SCI) (IF: 2.291; SCI ranking: 42.1%, 36.4%)


State and Time Resolved Spectroscopic Techniques”, J. Fluoresc, 20, 1061-1068. (SCI) (IF: 2.017; SCI ranking: 63.2%,42.9%)

Shih Chang Yang, Ssu Wei Huang, Wen Bih Tzeng*, 2010, “Rotamers of o- and m-dimethoxybenzenes studied by mass-analyzed threshold ionization spectroscopy and theoretical calculations”, J. Phys. Chem. A., 114, 11144-11152. (SCI) (IF: 2.899; SCI ranking: 32.2%,24.2%)

王俊凯 (WANG, JUEN-KAI)

期刊论文


汪治平 (WANG, JYHPYNG)

期刊论文


王玉麟 (WANG, YUH-LIN)

期刊论文


Kun-Tong Tsai, Yu-Rong Huang, Min-Yu Lai, Chih-Yi Liu, Huai-Hsien Wang, Jr-Hau He and Yuh-Lin Wang, 2010, “Identical-Length Nanowire Arrays in Anodic Alumina Templates”, *Journal of Nanoscience and Nanotechnology*, 10, 8293. (SCI) (IF: 1.435; SCI ranking: 44%, 63.3%, 40.2%, 45.4%, 45.5%)


魏金明（WEI, CHING-MING）

期刊论文


楊大衍（YANG, DAH-YEN）

期刊论文


Chi-Cheng Fu, Ching-Fong Lin, Wei-Zen Yang, Tsong-Shin Lim, Li-Ling Yang, Chi-Fu Yen, Wei-Hau Chang, Hanna S. Yuan, Sheh-Yi Sheu, Dah-Yen Yang, and Wunshain Fann, 2010, “Fis-Protein Induces Rod-Like DNA Bending”, *Chemical Physics Letters*, 500, 318-322. (SCI) (IF: 2.291; SCI ranking: 42.1%, 36.4%)