

# List of Publications (2010)

## Publications based on TLS Experiments

### 主導性之 SCI 論文

1. Y. J. Wu(吳宇中), M. Y. Lin(林孟暉), S. L. Chou(周勝隆), H. F. Chen(陳慧芬), H. C. Lu(盧曉琪), H. K. Chen(陳宏凱), and B. M. Cheng(鄭炳銘) , “*Photolysis of Ethyne in Solid Neon and Synthesis of Long-chain Carbon Clusters with Vacuum-ultraviolet Light*”, *Astrophys. J.* **721**, 856 (2010) . (I.F.=7.364)
2. Y.-L. Chan(陳悅來), Y.-J. Hung(洪雅娟), C.-H. Wang(王家豪), Y.-C. Lin(林楹璋), C.-Y. Chiu(邱清源), Y.-L. Lai(賴玉鈴), H.-T. Chang(張旭庭), C.-H. Lee(李志浩), Y. J. Hsu(許瑤真), and D. H. Wei(魏德新) , “*Magnetic Response of an Ultrathin Cobalt Film in Contact with an Organic Pentacene Layer* ”, *Phys. Rev. Lett.* **104** , 177204 (2010) . (I.F.=7.328)
3. W. W. Pai, H. T. Jeng, C.-M. Cheng(鄭澄懋), C.-H. Lin, X. Xiao, A. Zhao, X. Zhang, G. Xu, X. Q. Shi, M. A. V. Hove, C.-S. Hsue, and K.-D. Tsuei(崔古鼎) , “*Optimal Electron Doping of a C<sub>60</sub> Monolayer on Cu(111) via Interface Reconstruction* ”, *Phys. Rev. Lett.* **104** , 036103 (2010) . (I.F.=7.328)
4. F. H. Lai, W. N. Su, L. S. Sarma, D. G. Liu(劉定國), C. A. Hsieh(謝承安), J. F. Lee(李志甫), and B. J. Hwang(黃炳照) , “*Chemical Dealloying Mechanism of Bimetallic Pt-Co Nanoparticles and Enhancement of Catalytic Activity Toward Oxygen Reduction* ”, *Chem.-Eur. J.* **16** , 4602 (2010) . (I.F.=5.382)
5. Y.-C. Hsieh(謝殷程), M.-Y. Liu(劉明毅), V. C.-C. Wang, Y.-L. Chiang, E.-H. Liu, W.-G Wu, S. I. Chan, and C.-J. Chen(陳俊榮) , “*Structural Insights into the Enzyme Catalysis from Comparison of Three Forms of Dissimilatory Sulphite Reductase from Desulfovibrio Gigas* ”, *Mol. Microbiol.* **78** , 1101 (2010) . (I.F.=5.361)
6. C.-Y. Chang, Y.-C. Hsieh, T.-Y. Wang, Y.-C. Chen, Y.-K. Wang, T.-W. Chiang, Y.-J. Chen, C.-H. Chang, C.-J. Chen(陳俊榮), and T.-K. Wu , “*Crystal Structure and Mutational Analysis of Aminoacylhistidine Dipeptidase from Vibrio Alginolyticus Reveal a New Architecture of M20 Metallopeptidases* ”, *J. Biol. Chem.* **285** , 39500 (2010) . (I.F.=5.328)
7. P. Chuankhayan(邱康妍), C.-Y. Hsieh, Y.-C. Huang, Y.-Y. Hsieh, H.-H. Guan, Y.-C. Hsieh, Y.-C. Tien, C.-D. Chen, C.-M. Chiang, and C.-J. Chen(陳俊榮) , “*Crystal Structures of Aspergillus Japonicus Fructosyltransferase Complex with Donor/Acceptor Substrates Reveal Complete Subsites in the Active Site for Catalysis* ”, *J. Biol. Chem.* **285** , 23251 (2010) . (I.F.=5.328)
8. Y.-C. Hsieh(謝殷程), Y.-J. Wu, T.-Y. Chiang, C.-Y. Kuo, K. L. Shrestha, C.-F. Chao, Y.-C. Huang, P. Chuankhayan(邱康妍), W.-G. Wu, Y.-K. Li, and C.-J. Chen(陳俊榮) , “*Crystal Structures of Bacillus Cereus NCTU2 Chitinase Complexes with Chitooligomers Reveal Novel Substrate Binding for Catalysis: a Chitinase Without Chitin Binding and Insertion Domains* ”, *J. Biol. Chem.* **285** , 31603 (2010) . (I.F.=5.328)
9. Y.-C. Liang and H.-Y. Lee(李信義) , “*Growth of Epitaxial Zirconium-doped Indium Oxide (222) at Low Temperature by rf Sputtering* ”, *CrystEngComm* **12** , 3172 (2010) . (I.F.=4.183)
10. H. C. Lu(盧曉琪), H. K. Chen(陳宏凱), H. F. Chen(陳慧芬), B. M. Cheng(鄭炳銘), and J. F. Ogilvie , “*Absorption Cross Section of Molecular Oxygen in the Transition E<sup>3</sup> Σ<sub>u</sub>v=0-X<sup>3</sup>Σ<sub>g</sub>v=0 at 38K* ”, *Astron. Astrophys.* **520** , A19 (2010) . (I.F.=4.179)
11. W. H. Chang, P. Chang, T. Y. Lai, Y. J. Lee, J. Kwo, C.-H. Hsu(徐嘉鴻), and M. Hong , “*Structural Characteristics of Nanometer Thick Gd<sub>2</sub>O<sub>3</sub> Films Grown on GaN (0001)* ”, *Cryst. Growth Des.* **10** , 5117 (2010) . (I.F.=4.162)
12. C.-S. Ku(古慶順), H.-Y. Lee(李信義), J.-M. Huang, and C.-M. Lin , “*Epitaxial Growth of m-plane ZnO Thin Films on (1010) Sapphire Substrate by Atomic Layer Deposition with Interrupted Flow* ”, *Cryst. Growth Des.* **10** , 1460 (2010) . (I.F.=4.162)
13. S. H. Lee(李世煌) , “*Dynamics of Multi-channel Dissociation of Tetrahydrofuran Photoexcited at 193 nm: Distributions of Kinetic Energy, Angular Anisotropies, and Branching Ratios* ”, *Phys. Chem. Chem. Phys.* **12** , 2655 (2010) . (I.F.=4.116)
14. B. J. Hwang(黃炳照), C. Y. Chen, M. Y. Cheng, R. Santhanam, and K. Ragaven , “*Mechanism Study of Enhanced Electrochemical Performance of ZrO<sub>2</sub>-coated LiCoO<sub>2</sub> in High Voltage Region* ”, *J. Power Sources* **195** , 4255 (2010) . (I.F.=3.792)

15. H.-H. Guan(管泓翔), K.-S. Goh, F. Davamani, P.-L. Wu(吳伯龍), Y.-W. Huang, J. Jeyakanthan(傑肯特), W.-G Wu(吳文桂), and C.-J. Chen(陳俊榮) , “*Structures of Two Elapid Snake Venom Metalloproteases with Distinct Activities Highlight the Disulfide Patterns in the D Domain of ADAMalysin Family Proteins* ”, *J. Struct. Biol.* **169** , 294 (2010) . (I.F.=3.673)
16. S. W. Chen(陳世偉), J. M. Lee(李振民), K. T. Lu(盧桂子), C. W. Pao(包志文), J. F. Lee(李志甫), T. S. Chan(詹丁山), and J. M. Chen(陳錦明) , “*Band-gap Narrowing of TiO<sub>2</sub> Doped with Ce Probed with X-ray Absorption Spectroscopy* ”, *Appl. Phys. Lett.* **97** , 012104 (2010) . (I.F.=3.554)
17. C.-S. Ku(古慶順), J.-M. Huang, C.-Y. Cheng(鄭景元), C.-M. Lin, and H.-Y. Lee(李信義) , “*Annealing Effect on the Optical Response and Interdiffusion of n-ZnO/p-Si(111) Heterojunction Grown by Atomic Layer Deposition* ”, *Appl. Phys. Lett.* **97** , 181915 (2010) . (I.F.=3.554)
18. Y. H. Hsieh, S. J. Liu, H. W. Chen, Y. K. Lin, K. S. Liang(梁耕三), and L. J. Lai(賴麗珍) , “*Highly Sensitive Rare Cell Detection Based on Quantum Dot Probe Fluorescence Analysis* ”, *Anal. Bioanal. Chem.* **396** , 1135 (2010) . (I.F.=3.48)
19. J. M. Chen(陳錦明), J. M. Lee(李振民), S. W. Huang(黃詩雯), K. T. Lu(盧桂子), H. T. Jeng, C. K. Chen(陳啟科), S. C. Haw, T. L. Chou(周大磊), S. A. Chen(陳興安), N. Hiraoka(平岡望), H. Ishii(石井啟文), K. D. Tsuei(崔古鼎), and T. J. Yang , “*Intra- and Intersite Electronic Excitations in Multiferroic TbMnO<sub>3</sub> Probed by Resonant Inelastic X-ray Scattering* ”, *Phys. Rev. B* **82** , 094442 (2010) . (I.F.=3.475)
20. J. M. Chen(陳錦明), Z. Hu, H. T. Jeng, Y. Y. Chin, J. M. Lee(李振民), S. W. Huang(黃詩雯), K. T. Lu(盧桂子), C. K. Chen(陳啟科), S. C. Haw, T. L. Chou(周大磊), H. J. Lin(林宏基), C. C. Shen, R. S. Liu, A. Tanaka, L. H. Tjeng, and C. T. Chen(陳建德) , “*Strong Orbital Polarization in Orthorhombic DyMnO<sub>3</sub>: a Combined X-ray Linear Dichroism and Ab Initio Electronic Structure Study* ”, *Phys. Rev. B* **81** , 201102(R) (2010) . (I.F.=3.475)
21. H. C. Hsu, W. L. Lee, J.-Y. Lin, H. L. Liu, and F. C. Chou(周方正) , “*Disrupted Long-range Spin-spiral Ordering and Electric Polarization in the Zn-substituted Quantum Helimagnet LiCu<sub>2-x</sub>Zn<sub>x</sub>O<sub>2</sub>* ”, *Phys. Rev. B* **81** , 212407 (2010) . (I.F.=3.475)
22. H. C. Hsu, J.-Y. Lin, W. L. Lee, M.-W. Chu, T. Imai, Y. J. Kao, C. D. Hu, H. L. Liu, and F. C. Chou(周方正) , “*Nonmagnetic Impurity Perturbation to the Quasi-two-dimensional Quantum Helimagnet LiCu<sub>2</sub>O<sub>2</sub>* ”, *Phys. Rev. B* **82** , 094450 (2010) . (I.F.=3.475)
23. H.-J. Lin(林宏基), Y. Y. Chin, Z. Hu, G. J. Shu, F. C. Chou(周方正), H. Ohta, K. Yoshimura, S. Hébert, A. Maignan, A. Tanaka, L. H. Tjeng, and C. T. Chen(陳建德) , “*Local Orbital Occupation and Energy Levels of Co in Na<sub>x</sub>CoO<sub>2</sub>: A Soft X-ray Absorption Study* ”, *Phys. Rev. B* **81** , 115138 (2010) . (I.F.=3.475)
24. D.-A. Luh(陸大安), K.-C. Liu, C.-M. Cheng(鄭澄懋), and K.-D. Tsuei(崔古鼎) , “*Characterizing the Wetting of Metallic Thin Films with Angle-resolved Photoelectron Spectroscopy* ”, *Phys. Rev. B* **82** , 075434 (2010) . (I.F.=3.475)
25. J. Okamoto(岡本淳), D. J. Huang(黃迪靖), K. S. Chao, S. W. Huang, C.-H. Hsu(徐嘉鴻), A. Fujimori, A. Masuno, T. Terashima, M. Takano, and C. T. Chen(陳建德) , “*Quasi-two-dimensional d-spin and p-hole Ordering in the Three-dimensional Perovskite La<sub>1/3</sub>Sr<sub>2/3</sub>FeO<sub>3</sub>* ”, *Phys. Rev. B* **82** , 132402 (2010) . (I.F.=3.475)
26. G. J. Shu, W. L. Lee, F.-T. Huang, M.-W. Chu, P. A. Lee, and F. C. Chou(周方正) , “*Oxygen Nonstoichiometry and the Origin of Na Ion Ordering in P2-Na<sub>x</sub>CoO<sub>2</sub>* ”, *Phys. Rev. B* **82** , 054106 (2010) . (I.F.=3.475)
27. S.-J. Tang(唐述中), T.-R. Chang, C.-C. Huang, C.-Y. Lee, C.-M. Cheng(鄭澄懋), K.-D. Tsuei(崔古鼎), H.-T. Jeng, and C.-Y. Mou , “*Dispersive Resonance Bands within the Space-charge Layer of a Metal-semiconductor Junction* ”, *Phys. Rev. B* **81** , 245406 (2010) . (I.F.=3.475)
28. W. B. Wu(吳文斌), D. J. Huang(黃迪靖), J. Okamoto, S. W. Huang(黃詩雯), Y. Sekio, T. Kimura, and C. T. Chen(陳建德) , “*Multiferroic Nanoregions and a Memory Effect in Cupric Oxide* ”, *Phys. Rev. B* **81** , 172409 (2010) . (I.F.=3.475)
29. C.-H. Wang(王嘉興), Y.-C. Cheng, J.-W. Su, L.-J. Fan(范良任), P.-Y. Huang, M.-C. Chen, and Y.-W. Yang(楊耀文) , “*Origin of High Field-effect Mobility in Solvent-vapor Annealed Anthradithiophene Derivative* ”, *Org. Electron.* **11** , 1947 (2010) . (I.F.=3.262)
30. J. Jeyakanthan(傑肯特), R. M. Drevland, D. R. Gayathri, D. Velmurugan, A. Shinkai, S. Kuramitsu, S. Yokoyama, and D. E. Graham , “*Substrate Specificity Determinants of the Methanogen Homoaconitase Enzyme: Structure and Function of the Small Subunit* ”, *Biochemistry* **49** , 2687 (2010) . (I.F.=3.226)

31. Y. M. Chang, S. R. Jian, H. Y. Lee(李信義), C. M. Lin, and J. Y. Juang , “Enhanced Visible Photoluminescence from Ultrathin ZnO Films Grown on Si-nanowires by Atomic Layer Deposition ”, Nanotechnology **21** , 385705 (2010) . (I.F.=3.137)
32. J. M. Chen(陳錦明), J. M. Lee(李振民), T. L. Chou(周大磊), S. A. Chen(陳興安), S. W. Huang(黃詩雯), H. T. Jeng, K. T. Lu(盧桂子), T. H. Chen(陳天豪), Y. C. Liang(梁育嘉), S. W. Chen(陳世偉), W. T. Chuang(莊偉綜), H.-S. Sheu(許火順), N. Hiraoka(平岡望), H. Ishii(石井啟文), K. D. Tsuei(崔古鼎), E. Huang, C. M. Lin, and T. J. Yang , “Pressure-dependent Electronic Structures in Multiferroic DyMnO<sub>3</sub>: a Combined Lifetime-broadening-suppressed X-ray Absorption Spectroscopy and Ab Initio Electronic Structure Study ”, J. Chem. Phys. **133** , 154510 (2010) . (I.F.=3.093)
33. U. S. Jeng(鄭有舜), C. H. Su(蘇秋暉), C. J. Su(蘇群仁), K. F. Liao(廖桂芬), W. T. Chung(莊偉綜), Y. H. Lai, J. W. Chang, Y. J. Chen, Y. S. Huang(黃玉山), M. T. Lee(李明道), K. L. Yu(于冠禮), J. M. Lin, D. G. Liu(劉定國), C. F. Chang(張家峯), C. Y. Liu(劉金炎), C. H. Chang(張劍虹), and K. S. Liang(梁耕三) , “A Small/Wide-angle X-ray Scattering Instrument for Structural Characterization of Air-liquid Interfaces, Thin Films and Bulk Specimens ”, J. Appl. Crystallogr. **43** , 110 (2010) . (I.F.=3.018)
34. K. T. Lu(盧桂子), J. M. Chen(陳錦明), J. M. Lee(李振民), S. C. Haw, S. A. Chen(陳興安), Y. C. Liang(梁育嘉), and S. W. Chen(陳世偉) , “State-selective Enhanced Production of Positive Ions and Excited Neutral Fragments of Gaseous CH<sub>2</sub>Cl<sub>2</sub> Following Cl2p Core-level Photoexcitation ”, Phys. Rev. A **82** , 033421 (2010) . (I.F.=2.866)
35. D.-J. Huang(黃迪靖), J. Okamoto(岡本淳), S.-W. Huang, and C.-Y. Mou , “Magnetic Transitions of Multiferroic Frustrated Magnets Revealed by Resonant Soft X-ray Magnetic Scattering ”, J. Phys. Soc. JPN. **79** , 011009 (2010) . (I.F.=2.572)
36. H.-C. Lu, W.-T. Whang, and B.-M. Cheng(鄭炳銘) , “Switchable Structural Modification Accompanying Altered Optical Properties of a Zwitterionic Polysquaraine ”, Chem. Phys. Lett. **500** , 267 (2010) . (I.F.=2.291)
37. Y. J. Wu(吳宇中), H. F. Chen(陳慧芬), S. L. Chou(周勝隆), M. Y. Lin(林孟暉), and B. M. Cheng(鄭炳銘) , “Vacuum-ultraviolet Photolysis of H<sub>3</sub>CF in Solid Neon: Infrared Spectra of HCF and CF<sup>+</sup> ”, Chem. Phys. Lett. **497** , 12 (2010) . (I.F.=2.291)
38. J. Jeyakanthan(傑肯特), S. P. Kanaujia, Y. Nishida, N. Nakagawa, S. Praveen, A. Shinkai, S. Kuramitsu, S. Yokoyama, and K. Sekar , “Free and ATP-bound Structures of Ap<sub>4</sub>A Hydrolase from Aquifex Aeolicus V5 ”, Acta Crystallogr. D **66** , 116 (2010) . (I.F.=2.257)
39. C. Y. Lin, W.-R. Liu(劉維仁), C. S. Chang, C.-H. Hsu(徐嘉鴻), W. F. Hsieh, and F. S.-S. Chien , “Effect of Threading Dislocations on Local Contacts in Epitaxial ZnO Films ”, J. Electrochem. Soc. **157** , H268 (2010) . (I.F.=2.241)
40. Y. J. Lee, C. H. Lee, L. T. Tung, T. H. Chiang, T. Y. Lai, J. Kwo, C.-H. Hsu(徐嘉鴻), and M. Hong , “Al<sub>2</sub>O<sub>3</sub>/Ga<sub>2</sub>O<sub>3</sub>(Gd<sub>2</sub>O<sub>3</sub>) Passivation on In<sub>0.20</sub>Ga<sub>0.80</sub>As/GaAs-Structural Intactness with High-temperature Annealing ”, J. Phys. D- Appl. Phys. **43** , 135101 (2010) . (I.F.=2.083)
41. A. N. Khan, P.-D. Hong, W.-T. Chuang(莊偉綜), and K.-S. Shih , “Crystallization Kinetics and Structure of Poly(Trimethylene Terephthalate)/Monolayer Nano-mica Nanocomposites ”, Mater. Chem. Phys. **119** , 93 (2010) . (I.F.=2.015)
42. C. S. Ku(古慶順), H. Y. Lee(李信義), J. M. Huang, and C. M. Lin , “Epitaxial Growth of ZnO Films at Extremely Low Temperature by Atomic Layer Deposition with Interrupted Flow ”, Mater. Chem. Phys. **120** , 236 (2010) . (I.F.=2.015)
43. S.-H. Liu(劉思恒), Y.-H. Lin(林易弘), L.-J. Huang(黃良仁), S.-W. Luo(羅祥文), W.-L. Tsai, S.-Y. Chiang(江素玉), and H.-S. Fung(馮學深) , “Design and Construction of a Compact End-station at NSRRC for Circular-dichroism Spectra in the Vacuum-ultraviolet Region ”, J. Synchrotron Radiat. **17** , 761 (2010) . (I.F.=1.994)
44. H. C. Lu, W. T. Whang, and B. M. Cheng(鄭炳銘) , “Effect of Alkyl Position of Pyrrole on Structures and Properties of Conjugated Polysquaraines ”, Synthetic Met. **160** , 1002 (2010) . (I.F.=1.901)
45. Y.-T. Liu, S.-Y. Chen, and H.-Y. Lee(李信義) , “Characteristics of Highly Orientated BiFeO<sub>3</sub> Thin Films on a LaNiO<sub>3</sub>-coated Si Substrate by RF Sputtering ”, Thin Solid Films **518** , 7412 (2010) . (I.F.=1.727)
46. H.-C. Su(蘇暉家), J.-Y. Dai, Y.-F. Liao, Y.-H. Wu, J. C. A. Huang, and C.-H. Lee(李志浩) , “The Preparation of Zn-ferrite Epitaxial Thin Film from Epitaxial Fe<sub>3</sub>O<sub>4</sub>: ZnO Multilayers by Ion Beam Sputtering Deposition ”, Thin Solid Films **518** , 7275 (2010) . (I.F.=1.727)

47. B. Y. Shew(許博淵), H. C. Chu, C. K. Chen(陳啟科), Y. C. Su, Y. H. Hsieh, L. J. Lai(賴麗珍), S. J. Liu, and C. H. Leng , “*Enhancement of Specific Cell-capture Efficiency Using a Reversible Dielectrophoresis Field* ”, Sensor. Actuat. A-Phys. **163** , 128 (2010) . (I.F.=1.674)
48. T. H. Chang, B. Y. Shew(許博淵), C. Y. Wu, and N. C. Chen , “*X-ray Microfabrication and Measurement of a Terahertz Mode Converter* ”, Rev. Sci. Instrum. **81** , 054701 (2010) . (I.F.=1.521)
49. Y. J. Lee, W. C. Lee, M. L. Huang, S. Y. Wu, C. W. Nieh, M. Hong, J. Kwo, and C.-H. Hsu(徐嘉鴻) , “*Lattice Strain and in Situ Chemical Depth Profiling of Nanometer-thick Molecular Beam Epitaxy Grown  $Y_2O_3$  Epitaxial Films on Si (111)* ”, J. Vac. Sci. Technol. B **28** , C3A17 (2010) . (I.F.=1.46)
50. H.-S. Sheu(許火順), W.-J. Shih(施韋如), W.-T. Chuang(莊偉綜), I.-F. Li, and C.-S. Yeh , “*Crystal Structure and Phase Transitions of  $Gd(CO_3)OH$  Studied by Synchrotron Powder Diffraction* ”, J. Chin. Chem. Soc.-Taipei **57** , 938 (2010) . (I.F.=0.653)
51. J. Alikhajeh, K. Khajeh, B. Ranjbar, H. N.-Manesh, Y.-H. Lin(林易弘), E. Liu, H.-H. Guan(管泓翔), Y.-C. Hsieh(謝殷程), P. Chuankhayan, Y.-C. Huang(黃彥杰), J. Jeyaraman, M.-Y. Liu(劉明毅), and C.-J. Chen(陳俊榮) , “*Structure of *Bacillus Amyloliquefaciens* A-amylase at High Resolution: Implications for Thermal Stability* ”, Acta Crystallogr. F **66** , 121 (2010) . (I.F.=0.551)
52. J. Jeyakanthan(傑肯特), S. Thamotharan, S. Panjikar, Y. Kitamura, N. Nakagawa, A. Shinkai, S. Kuramitsu, and S. Yokoyama , “*Expression, Purification and X-ray Analysis of 1,3-propanediol dehydrogenase (Aq\_1145) from Aquifex Aeolicus VF5* ”, Acta Crystallogr. F **66** , 184 (2010) . (I.F.=0.551)
53. N. Thamwiriyasati, S. Sakdee, P. Chuankhayan(邱康妍), G. Katzenmeier, C.-J. Chen(陳俊榮), and C. Angsuthanasombat , “*Crystallization and Preliminary X-ray Crystallographic Analysis of a Full-length Active Form of the Cry4Ba Toxin from *Bacillus Thuringiensis** ”, Acta Crystallogr. F **66** , 721 (2010) . (I.F.=0.551)
54. C.-H. Chen, L. S. Sarma, D.-Y. Wang, F.-J. Lai, C.-C. A. Andra, S.-H. Chang, D.-G. Liu(劉定國), C.-C. Chen, and J.-F. Lee(李志甫), and B.-J. Hwang(黃炳照) , “*Platinum-decorated Ruthenium Nanoparticles for Enhanced Methanol Electrooxidation* ”, ChemCatChem **2** , 159 (2010) . (I.F.=0)

## 合作性之 SCI 論文

1. I. Grigoraviciute, M. Karppinen, T. S. Chan(詹丁山), R. S. Liu, J. M. Chen(陳錦明), O. Chmaisssem, and H. Yamauchi , “*Electronic Structures, Hole-doping, and Superconductivity of the  $s=1, 2, 3$ , and 4 Members of the (Cu,Mo)-12s2 Homologous Series of Superconductive Copper Oxides* ”, J. Am. Chem. Soc. **132** , 838 (2010) . (I.F.=8.58)
2. K. Oka, M. Azuma, W.-T. Chen, H. Yusa, A. A. Belik, E. Takayama-Muromachi, M. Mizumaki, N. Ishimatsu, N. Hiraoka(平岡望), M. Tsujimoto, M. G. Tucker, J. P. Attfield, and Y. Shimakawa , “*Pressure-induced Spin-state Transition in  $BiCoO_3$*  ”, J. Am. Chem. Soc. **132** , 9438 (2010) . (I.F.=8.58)
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備註: 1. TLS 為 Taiwan Light Source 的縮寫，指國家同步輻射研究中心現有光源。  
2. I.F. (Impact Factor) 以 2009 JCR (Journal Citation Reports) 為資料依據。  
3. 主導性論文指該論文中心同仁為第一作者或通訊作者；合作性論文指該論文的作者群中有中心同仁；協助性論文指該論文作者群中無中心同仁，但該論文使用到同步輻射光源。。  
4. 資料更新日期: 2011.6.30.