List of Publications (2014)

Experiments Performed at NSRRC Beamlines

主導性 之 SCI 論文

1. J.-M. Chen(陳錦明), Y.-Y. Chin, M. Valldor*, Z. Hu, J.-M. Lee(李振民), S.-C. Haw, N. Hiraoka(平岡望), H. Ishii(石井啟文), C.-W. Pao(包志文), K.-D. Tsuei(崔古鼎), J.-F. Lee(李志甫), H.-J. Lin(林宏基), L.-Y. Jang(張凌雲), A. Tanaka, C.-T. Chen(陳建德), and L. H. Tjeng , "A Complete High-to-low Spin State Transition of Trivalent Cobalt Ion in Octahedral Symmetry in $SrCo_{0.5}Ru_{0.5}O_{3-\delta}$ ", J. Am. Chem. Soc. **136** , 1514 (2014) . (I.F.=12.113) ★

2. Y.-H. Lai*(賴英煌), S.-W. Chen, M. Hayashi, Y.-J. Shiu, C.-C. Huang, W.-T. Chuang(莊偉綜), C.-J. Su(蘇群仁), H.-C. Jeng, J.-W. Chang, Y.-C. Lee(李耀昌), A.-C. Su, C.-Y. Mou, and U.-S. Jeng*(鄭有舜) , "Mesostructured Arrays of Nanometer-spaced Gold Nanoparticles for Ultrahigh Number Density of SERS Hot Spots ", Adv. Funct. Mater. **24** , 2544 (2014) . (I.F.=11.805) ★

3. S.-L. Chou(周勝隆), J.-I. Lo(羅仁佑), M.-Y. Lin(林孟曄), Y.-C. Peng(彭鈺謙), H.-C. Lu(盧曉琪), and B.-M. Cheng*(鄭炳銘) , "Production of N_3 upon Photolysis of Solid Nitrogen at 3 K with Synchrotron Radiation ", Angew. Chem. Int. Edit. **53** , 738 (2014) . (I.F.=11.261) ★

4. Y.-J. Wu*(吳宇中), S.-J. Chuang(莊翔竣), S.-C. Chen(陳憲璁), and T.-P. Huang(黃自平) , "Infrared Spectra of Acetylene Diluted in Solid Nitrogen upon Irradiation with Vacuum Ultraviolet Light and Electrons ", Astrophys. J. Suppl. Ser. **212** , 7 (2014) . (I.F.=11.215) ★

5. Y.-C. Chen, Y.-G. Lin*(林彥谷), Y.-K. Hsu*(徐裕奎), S.-C. Yen, K.-H. Chen, and L.-C. Chen*(林麗瓊) , "Novel Iron Oxyhydroxide Lepidocrocite Nanosheet as Ultrahigh Power Density Anode Material for Asymmetric Supercapacitors ", Small **10** , 3803 (2014) . (I.F.=8.368) ★

6. S. Hy, J.-H. Cheng, J.-Y. Liu, C.-J. Pan, J. Rick, J.-F. Lee(李志甫), J.-M. Chen(陳錦明), and B. J. Hwang*(黃炳照) , "Understanding the Role of Ni in Stabilizing the Lithium-rich High-capacity Cathode Material $Li[Ni_xLi_{(1-2x)/3}Mn_{(2-x)/3}]O_2$ $(0 \le x \le 0.5)$ ", Chem. Mater. **26** , 6919 (2014) . (I.F.=8.354) ★

7. Y.-G. Lin*(林彥谷), Y.-K. Hsu, Y.-C. Chen, B.-W. Lee, J.-S. Hwang, L.-C. Chen*(林麗瓊), and K.-H. Chen*(陳貴賢) , "Cobalt-phosphate-assisted Photoelectrochemical Water Oxidation by Arrays of Molybdenum-doped Zinc Oxide Nanorods ", ChemSusChem **7** , 2748 (2014) . (I.F.=7.657) ★

8. M.-J. Deng*(鄧名傑), C.-C. Wang, P.-J. Ho, C.-M. Lin, J.-M. Chen*(陳錦明), and K.-T. Lu*(盧桂子) , "Facile Electrochemical Synthesis of 3D Nano-architectured CuO Electrodes for High-performance Supercapacitors ", J. Mater. Chem. A **2** , 12857 (2014) . (I.F.=7.443) ★

9. A. A. Dubale, W.-N. Su*(蘇威年), A. G. Tamirat, C.-J. Pan, B. A. Aragaw, H.-M. Chen, C.-H. Chen, and B.-J. Hwang*(黃炳照) , "The Synergetic Effect of Graphene on Cu_2O Nanowire Arrays as a Highly Efficient Hydrogen Evolution Photocathode in Water Splitting ", J. Mater. Chem. A **2** , 18383 (2014) . (I.F.=7.443) ★

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13. Y.-T. Liu, C.-S. Ku*(古慶順), S.-J. Chiu(邱上睿), H.-Y. Lee*(李信義), and S.-Y. Chen , "Ultrathin Oriented $BiFeO_3$ Films from Deposition of Atomic Layers with Greatly Improved Leakage and Ferroelectric Properties ", ACS Appl. Mater. Interfaces **6** , 443 (2014) . (I.F.=6.723) ★

14. C.-W. Hu(胡芝瑋), T.-Y. Chen, K.-S. Shih, P.-J. Wu(吳品鈞), H.-C. Su(蘇暉家), C.-Y. Chiang(蔣慶有), A.-F. Huang, H.-W. Hsieh, C.-C. Chang, B.-Y. Shew(許博淵), and C.-H. Lee*(李志浩) , "Real-time Investigation on the Influences

of Vanadium Additives to the Structural and Chemical State Evolutions of $LiFePO_4$ for Enhancing the Electrochemical Performance of Lithium-ion Battery ", J. Power Sources **270** , 449 (2014) . (I.F.=6.217) ★

15. C.-N. Lin, W.-C. Chen, Y.-F. Song*(宋艷芳), C.-C. Wang(王俊杰), L.-D. Tsai, and N.-L. Wu*(吳乃立) , "Understanding Dynamics of Polysulfide Dissolution and Re-deposition in Working Lithium-sulfur Battery by In-operando Transmission X-ray Microscopy ", J. Power Sources **263** , 98 (2014) . (I.F.=6.217) ★

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18. C.-L. Hsu, J.-S. Liu, P.-L. Wu(吳柏龍), H.-H. Guan(管泓翔), Y.-L. Chen, A.-C. Lin, H.-J. Ting, S.-T. Pang, S.-D. Yeh, W.-L. Ma, C.-J. Chen(陳俊榮), W.-G. Wu*(吳文桂), and C. Chang* , "Identification of a New Androgen Receptor (AR) Co-regulator BUD31 and Related Peptides to Suppress Wild-type and Mutated AR-mediated Prostate Cancer Growth via Peptide Screening and X-ray Structure Analysis ", Mol. Oncol. **8** , 1575 (2014) . (I.F.=5.331) ★

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世偉), C. Y. Kuo, C. W. Pao(包志文), J. F. Lee(李志甫), N. Hiraoka(平岡望), H. Ishii(石井啟文), K. D. Tsuei(崔古鼎), and Z. Hu* , "Evolution of Spin and Valence States of $(Pr_{0.7}Sm_{0.3})_{0.7}Ca_{0.3}CoO_3$ at High Temperature and High Pressure ", Phys. Rev. B **90** , 035107 (2014) . (I.F.=3.736) ★

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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。
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4. 資料更新日期: 2019/3/18