List of Publications (2016)

Publications based on TLS Experiments

主導性 之 SCI 論文

1. S.-S. Li, C.-H. Chang, Y.-C. Wang, C.-W. Lin, D.-Y. Wang, J.-C. Lin, C.-C. Chen, H.-S. Sheu(許火順), H.-C. Chia, W.-R. Wu, U.-S. Jeng*(鄭有舜), C.-T. Liang, R. Sankar, F.-C. Chou, and C.-W. Chen* , "Intermixing-seeded Growth for High-performance Planar Heterojunction Perovskite Solar Cells Assisted by Precursor-capped Nanoparticles ", Energ. Environ. Sci. **9** , 1282 (2016) . (I.F.=25.427) ★

2. H.-J. Jhuo, S.-H. Liao, Y.-L. Li, P.-N. Yeh, S.-A. Chen*(陳壽安), W.-R. Wu(吳瑋儒), C.-J. Su(蘇群仁), J.-J. Lee(李之釗), N. L. Yamada, and U.-S. Jeng*(鄭有舜) , "The Novel Additive 1-Naphthalenethiol Opens a New Processing Route to Efficiency-enhanced Polymer Solar Cells ", Adv. Funct. Mater. **26** , 3094 (2016) . (I.F.=11.382) ★

3. C.-H. Chin(金之豪), S.-C. Chen(陳憲聰), M.-C. Liu(劉孟澄), T.-P. Huang(黃自平), and Y.-J. Wu*(吳宇中) , "Infrared and Ultraviolet Spectra of Methane Diluted in Solid Nitrogen and Irradiated With Electrons During Deposition at Various Temperatures ", Astrophys. J. Suppl. Ser. **224** , 17 (2016) . (I.F.=11.257) ★

4. C.-F. Huang, S.-H. Huang, C.-T. Hsieh, Y.-H. Chao, C.-H. Li, S.-L. Wu, Y.-F. Huang, C.-Y. Hong, C.-S. Hsu, W.-T. Chuang*(莊偉綜), and C.-L. Wang*(王建隆) , "Stepwise Structural Evolution of a DTS-F_2BT Oligomer and Influence of Structural Disorder on Organic Field Effect Transistors and Organic Photovoltaic Performance ", Chem. Mater. **28** , 8980 (2016) . (I.F.=9.407) ★

5. M.-C. Tsai, T.-T. Nguyen, N. G. Akalework, C.-J. Pan, J. Rick, Y.-F. Liao(廖彥發), W.-N. Su*(蘇威年), and B.-J. Hwang*(黃炳照) , "Interplay between Molybdenum Dopant and Oxygen Vacancies in a TiO_2 Support Enhances the Oxygen Reduction Reaction ", ACS Catalysis **6** , 6551 (2016) . (I.F.=9.307) ★

6. A. A. Dubale, A. G. Tamirat, H.-M. Chen, T. A. Berhe, C.-J. Pan, W.-N. Su*(蘇威年), and B.-J. Hwang*(黃炳照) , "A Highly Stable CuS and CuS-Pt Modified Cu_2O/CuO Heterostructure as an Efficient Photocathode for the Hydrogen Evolution Reaction ", J. Mater. Chem. A **4** , 2205 (2016) . (I.F.=8.262) ★

7. J. H. Wang, K.-W. Wang*(王冠文), T.-L. Chen, C.-H. Wang, Y.-M. Huang, Y.-Y. Hsu, and T.-Y. Chen*(陳燦耀) , "Local Heterojunctions of Atomic Pt Clusters Boost the Oxygen Reduction Activity of Rucore@Pdshell Nanocrystallites ", J. Mater. Chem. A **4** , 17848 (2016) . (I.F.=8.262) ★

8. C.-H. Liu(劉君夏), C.-Y. Lin, J.-L. Chen(陳政龍), N.-C. Lai, C.-M. Yang*(楊家銘), J.-M. Chen*(陳錦明), K.-T. Lu(盧桂子) , "Metal Oxide-containing SBA-15-supported Gold Catalysts for Base-free Aerobic Homocoupling of Phenylboronic Acid in Water ", J. Catal. **336** , 49 (2016) . (I.F.=7.354) ★

9. C.-Y. Chiang(蔣慶有), S.-W. Hsiao, P.-J. Wu*(吳品鈞), C.-S. Yang, C.-H. Chen(陳家浩), and W.-C. Chou , "Depth-profiling Electronic and Structural Properties of Cu(In,Ga)$(S,Se)_2$ Thin-film Solar Cell ", ACS Appl. Mater. Interfaces **8** , 24152 (2016) . (I.F.=7.145) ★

10. W.-T. Chuang*(莊偉綜), Y.-M. Hsu, E.-L. Lin, I.-M. Lin, Y.-S. Sun*(孫亞賢), Y.-W. Chiang, C.-J. Su(蘇群仁), Y.-C. Lee(李耀昌), and U.-S. Jeng(鄭有舜) , "Live Templates of a Supramolecular Block Copolymer for the Synthesis of Ordered Nanostructured TiO_2 Films via Guest Exchange ", ACS Appl. Mater. Interfaces **8** , 33221 (2016) . (I.F.=7.145) ★

11. T.-S. Wu, Y. Zhou, R. F. Sabirianov, W.-N. Mei, Y.-L. Soo*(蘇雲良), and C. L. Cheung* , "X-ray Absorption Study of Ceria Nanorods Promoting the Disproportionation of Hydrogen Peroxide ", Chem. Commun. **52** , 5003 (2016) . (I.F.=6.567) ★

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14. H.-C. Lu(盧曉琪), J.-I. Lo(羅仁佑), Y.-C. Peng(彭鈺謙), S.-L. Chou(周勝隆), M.-Y. Lin(林孟曄), and B.-M. Cheng*(鄭炳銘) , "The Emission, Lifetimes, and Formation Threshold of the Vegard-kaplan Transition of Solid Nitrogen Exposed to Far-ultraviolet Radiation ", Astrophys. J. **832** , 25 (2016) . (I.F.=5.909) ★

15. J.-Y. Liu, W.-N. Su, J. Rick, S.-C. Yang, C.-J. Pan, J.-F. Lee(李志甫), J.-M. Chen(陳錦明), and B.-J. Hwang*(黃炳照) , "Rational Design of Ethanol Steam Reforming Catalyst Based on Analysis of Ni/La_2O_3 Metal-support Interactions ", Catal. Sci. Technol. **6** , 3449 (2016) . (I.F.=5.287) ★

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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 2015 JCR (Journal Citation Reports) 為資料依據。
3. “★” 表中心主導性論文(主導性論文指該論文中心同仁為第一作者或通訊作者);
“☆” 表中心合作性論文(合作性論文指該論文的作者群中有中心同仁);
“◆” 表中心協助性論文(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: 2017/4/24