

NSRRC SCI Journal Publications 成果發表 - 期刊論文分類 (2013)

	Beamline & End Sttion	Public Use Since	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Taiwan	01A1 SWLS-White X-ray (PRT 75%)	2005/05					1	1	2	3	5	4	6	5	5	3	35
	01B1 SWLS-X-ray Microscopy (PRT 75%)	2006/01							2	2	6	1	5	4	4	2	26
	01C1 SWLS-EXAFS	2004/09						2	3	5	5	7	5	19	12	16	74
	01C2 SWLS-X-ray Power Diffraction	2004/09						2	9	15	16	25	25	18	28	28	166
	03A1 BM-(HF-CGM) Photoabsorption/Photoluminescence	2003/05			4	1	3	5	5	10	10	10	8	15	9	4	84
	04B1 BM-(Seya) SRCD	1994/01	5	10	2	2	6	5	2	2		2	3	1	1	2	43
	05B1* EPU-Spin-polarized PES	2001/09			5	1	2	2	1		1						12
	05B2 EPU-PEEM	2003/05				2	3	5	2	1	2	1	3	2	5	2	28
	05B3 EPU-Soft X-ray Scattering	2005/05							2	1	1	3	2	1	1		11
	07A1 IASW-X-ray Scattering	2011/01												5	6	1	12
	08A1 BM-(L-SGM) XPS, UPS	1994/01	6	3	3	5	4	5	8	7	6	6	5	9	6	11	84
	08B1 BM-AGM	2011/01													1	2	3
	09A1 U50-SPEM	2001/09		2	2	4	3	5	11	8	3	9	1	8	5	8	69
	09A2 U50-Spectroscopy	2001/01		1	5	2	5	3	1	2	3	3		6	4	4	39
	11A1 BM-(Dragon) MCD, XAS (PRT 75%)	2000/05		1	7	9	13	14	14	8	8	12	9	20	15	19	149
	13A1 SW60-X-ray Scattering	2008/01									2	4	6	5	10	5	32
	13B1 SW60-Protein Crystallography	2005/09						1	10	8	24	40	45	34	41	42	245
	13C1 SW60-Protein Crystallography	2006/01									1	1	1	3	10	8	24
	14A1 BM-IR Microscopy	2005/05										1	5	4	3	5	18
	16A1 BM-Tender X-ray Absorption, Diffraction	1996/01	7	4	1	5	8	4	8	1	6	5	6	7	16	11	89
	17A1 W200-X-ray Powder Diffraction	2000/09		5	11	21	26	27	28	24	20	25	16	17	22	18	260
	17B1 W200-X-ray Scattering	1997/05	8	14	11	7	9	20	19	18	9	18	15	21	17	18	204
	17B2* W200-Protein X-ray Crystallography	2001/09			2	3	17	9	5	3	2			1			42
	17B3* W200-Small Angle X-ray Scattering	2006/01						6	6	17	9	20					58
	17C1 W200-EXAFS	1999/01	6	27	13	30	33	40	42	37	24	45	38	40	35	33	443
	18B1* BM-LIGA	1998/05	1	2	2	1	5	5	2	6	3		2	1	1	2	33
	19A1* BM-X-ray Lithography	1998/09			2		1			1							4
	19B1* Photon Stimulated Desorption	2004/09		2													2
	20A1 BM-(H-SGM) XAS	1994/01	17	25	10	21	17	24	14	22	14	15	14	12	13	21	239
	20B1* BM-X-ray Instrumentation (PRT 75%)	1998/05	1	2	1		1	1									6
	21A1 U90-(White Light) Chemical Dynamics (PRT 75%)	2003/05			2	2	6	3	10	7	8	3	2	8	5	4	60
	21A2 U90-(White Light) Photochemistry	2007/05									2	3	2	1	1		9
	21B1 U90-(CGM) Angle-resolved UPS	2003/05					1			2	6	1	5	2	3	2	22
	21B2 U90-Gas Phase	2004/09	2					1		1	2	1	2	3	3		15
	23A1 IASW-Small/Wide Angle X-ray Scattering	2009/05											13	25	37	28	103
	24A1 BM-(WR-SGM) XPS, UPS	2000/05		3	4	7	6	5	12	7	10	11	12	9	4	8	98
SP-8	SP12B1 BM-Materials X-ray Study	2001/09			2	2	2	6	5	7	3	4	5	3	3	1	43
	SP12B2 BM-Protein X-ray Crystallography	2003/05			1	14	3	18	19	7	2	4	10	4			82
	SP12UI U32-Inelastic X-ray Scattering	2003/09						5	6	6	7	4	15	10	13	6	72
	SP44XU U32 - International Collaboration													1	1		2
Subtotal			53	101	90	139	175	224	248	238	220	288	286	324	340	314	3040
NSRRC Participated Research			6	14	11	6	17	13	19	12	36	42	30	41	32	34	313
Facility & Accelerator Related Research			10	11	13	6	6	5	7	11	2	5	6	11	10	6	109
Total			69	126	114	151	198	242	274	261	258	335	322	376	382	354	3462

(Source: NSRRC Library, dated March 20, 2014)

Notes:

- (1) Publications not associated with specific beamlines are grouped into "NSRRC Participated Research" and "Facility & Accelerator Related Research".
- (2) Proceedings are not included in the table.
- (3) SCI : Science Citation Index
- (4) * : The end station is closed or moved to other beamline.

國家同步輻射研究中心提供其設施及實驗技術指導，給予國內外大學、工業界研究部門之用戶進行先進科學研究。上列為截至 2014 年 3 月 20 日止蒐集於本中心圖書室論文出版之統計資料。使用本中心光源進行實驗的論文，發表於 2013 年的 SCI 期刊論文共有 314 篇。因篇幅限制，第 11 頁至第 12 頁僅彙整個別領域前 5 % 的論文 (生命科學領域，I.F. > 9；自然科學領域，I.F. > 6)，依 I.F. 由高至低排序。

註：I.F. 為影響係數 (Impact Factor) 之縮寫。

生命科學領域之 SCI 論文 (SCI Publications of Biological Science)

前 5 % 的論文依 I.F. 由高至低排序 (I.F. > 9)

1.	R. R. Reisz*, T. D. Huang, E. M. Roberts, S. R. Peng, C. Sullivan, K. Stein, A. R. H. LeBlanc, D. Shieh, R. S. Chang, C. C. Chiang (江政誠), C. Yang, and S. Zong, "Embryology of Early Jurassic Dinosaur from China with Evidence of Preserved Organic Remains", <i>Nature</i> 496 , 210 (2013).
2.	S. Vavassori, A. Kumar, G. S. Wan, G. S. Ramanjaneyulu, M. Cavallari, S. E. Daker, T. Beddoe, A. Theodossis, N. K. Williams, E. Gostick, D. A. Price, D. U. Soudamini, K. K. Voon, M. Olivo, J. Rossjohn, L. Mori, and G. D. Libero*, "Butyrophilin 3A1 Binds Phosphorylated Antigens and Stimulates Human $\gamma\delta$ T Cells", <i>Nat. Immunol.</i> 14 , 908 (2013).
3.	Y.-M. Chang, C. K.-M. Chen, T.-P. Ko, M. W. Chang-Chien, and A. H.-J. Wang* (王惠鈞), "Structural Analysis of the Antibiotic-recognition Mechanism of MarR Proteins", <i>Acta Crystallogr.</i> D 69 , 1138 (2013).
4.	S.-C. Chen, C.-Y. Shen, T.-M. Yen, H.-C. Yu, T.-H. Chang, W.-L. Lai* (賴雯玲), and S.-H. Liaw* (廖淑惠), "Evolution of Vitamin B ₂ Biosynthesis: Eubacterial RibG and Fungal Rib2 Deaminases", <i>Acta Crystallogr.</i> D 69 , 227 (2013).
5.	K.-H. Chin, Z.-L. Tu, Y.-C. Su, Y.-J. Yu, H.-C. Chen, Y.-C. Lo, C.-P. Chen, G. N. Barber, M. L.-C. Chuah, Z.-X. Liang, and S.-H. Chou* (周三和), "Novel c-di-GMP Recognition Modes of the Mouse Innate Immune Adaptor Protein STING", <i>Acta Crystallogr.</i> D 69 , 352 (2013).
6.	J.-K. Li, J.-H. Liao, H. Li, C.-I. Kuo, K.-F. Huang, L.-W. Yang, S.-H. Wu, and C.-I. Chang* (張崇毅), "The N-terminal Substrate-recognition Domain of a LonC Protease Exhibits Structural and Functional Similarity to Cytosolic Chaperones", <i>Acta Crystallogr.</i> D 69 , 1789 (2013).
7.	J.-H. Liao, K. Ihara, C. I. Kuo, K.-F. Huang, S. Wakatsuki, S.-H. Wu* (吳世雄), and C.-I. Chang* (張崇毅), "Structures of an ATP-independent Lon-like Protease and Its Complexes with Covalent Inhibitors", <i>Acta Crystallogr.</i> D 69 , 1395 (2013).
8.	A. Tankrathok, J. Iglesias-Fernández, S. Luang, R. C. Robinson, A. Kimura, C. Rovira, M. Hrmova, and J. R. K. Cairns*, "Structural Analysis and Insights Into Glycon Specificity of the Rice GH1 Os7BGlu26 β -D-mannosidase", <i>Acta Crystallogr.</i> D 69 , 2124 (2013).
9.	J.-Y. Tung, Y.-C. Li, T.-W. Lin, and C.-D. Hsiao* (蕭傳鑑), "Structure of the Sgt2 Dimerization Domain Complexed with the Get5 UBL Domain Involved in the Targeting of Tail-anchored Membrane Proteins to the Endoplasmic Reticulum", <i>Acta Crystallogr.</i> D 69 , 2081 (2013).
10.	C.-G. Wu, S.-C. Cheng, S.-C. Chen, J.-Y. Li, Y.-H. Fang, Y.-H. Chen, and C.-Y. Chou* (周記源), "Mechanism for Controlling the Monomer-dimer Conversion of SARS Coronavirus Main Protease", <i>Acta Crystallogr.</i> D 69 , 747 (2013).
11.	A. Padavannil, C. Jobichen, E. Mills, A. Velazquez-Campoy, M. Li, K. Y. Leung, Y. K. Mok, I. Rosenshine, and J. Sivaraman*, "Structure of GrIR-GrIA Complex That Prevents GrIA Activation of Virulence Genes", <i>Nat. Commun.</i> 4 , 2546 (2013).
12.	S.-Q. An, K.-H. Chin, M. Febrer, Y. McCarthy, J.-G. Yang, C.-L. Liu, D. Swarbrick, J. Rogers, J. M. Dow, S.-H. Chou* (周三和), and R. P. Ryan*, "A Cyclic GMP-dependent Signalling Pathway Regulates Bacterial Phytopathogenesis", <i>EMBO J.</i> 32 , 2430 (2013).
13.	Y.-W. Cheung, J. Kwok, A. W. L. Law, R. M. Watt, M. Kotaka*, and J. A. Tanner*, "Structural Basis for Discriminatory Recognition of Plasmodium Lactate Dehydrogenase by a DNA Aptamer", <i>P. Natl. Acad. Sci. USA</i> 110 , 15967 (2013).
14.	J.-M. Wu, C.-T. Chen, M. S. Coumar, W.-H. Lin, Z.-J. Chen, J. T.-A. Hsu, Y.-H. Peng, H.-Y. Shiao, W.-H. Lin, C.-Y. Chu, J.-S. Wu, C.-T. Lin, C.-P. Chen, C.-C. Hsueh, K.-Y. Chang, L.-P. Kao, C.-Y. F. Huang, Y.-S. Chao, S.-Y. Wu* (伍素瑩), H.-P. Hsieh* (謝興邦), and Y.-H. Chi* (紀雅惠), "Aurora Kinase Inhibitors Reveal Mechanisms of HURP in Nucleation of Centrosomal and Kinetochore Microtubules", <i>P. Natl. Acad. Sci. USA</i> 110 , E1779 (2013).

自然科學領域之 SCI 論文 (SCI Publications of Physical Science)

前 5 % 的論文依 I.F. 由高至低排序 (I.F. > 6)

1.	H.-Y. Lin, C.-Y. Chin, H.-L. Huang, W.-Y. Huang, M.-J. Sie, L.-H. Huang, Y.-H. Lee, C.-H. Lin, K.-H. Lii, X. Bu, S.-L. Wang* (王素蘭), "Crystalline Inorganic Frameworks with 56-Ring, 64-Ring, and 72-Ring Channels", <i>Science</i> 339 , 811 (2013).
2.	J.-L. Guo, Y.-D. Chiou, W.-I. Liang, H.-J. Liu, Y.-J. Chen, W.-C. Kuo, C.-Y. Tsai, K.-A. Tsai, H.-H. Kuo, W.-F. Hsieh, J.-Y. Juang, Y.-J. Hsu, H.-J. Lin (林宏基), C.-T. Chen (陳建德), X.-P. Liao, B. Shi, and Y.-H. Chu* (朱英豪), "Complex Oxide-noble Metal Conjugated Nanoparticles", <i>Adv. Mater.</i> 25 , 2040 (2013).
3.	H.-Y. Hsueh, H.-Y. Chen, Y.-C. Hung, Y.-C. Ling, S. Gwo, and R.-M. Ho* (何榮銘), "Well-defined Multibranch Gold with Surface Plasmon Resonance in Near-infrared Region from Seeding Growth Approach Using Gyroid Block Copolymer Template", <i>Adv. Mater.</i> 25 , 1780 (2013).
4.	J.-F. Jheng, Y.-Y. Lai, J.-S. Wu, Y.-H. Chao, C.-L. Wang* (王建隆), and C.-S. Hsu* (許千樹), "Influences of the Non-covalent Interaction Strength on Reaching High Solid-state Order and Device Performance of a Low Bandgap Polymer with Axisymmetrical Structural Units", <i>Adv. Mater.</i> 25 , 2445 (2013).
5.	S.-H. Liao, H.-J. Jhuo, Y.-S. Cheng, and S.-A. Chen (陳壽安), "Fullerene Derivative-doped Zinc Oxide Nanofilm as the Cathode of Inverted Polymer Solar Cells with Low-bandgap Polymer (PTB7-Th) for High Performance", <i>Adv. Mater.</i> 25 , 4766 (2013).
6.	H.-J. Liu, V.-T. Tra, Y.-J. Chen, R. Huang, C.-G. Duan, Y.-H. Hsieh, H.-J. Lin (林宏基), J.-Y. Lin, C.-T. Chen (陳建德), Y. Ikahara, and Y.-H. Chu* (朱英豪), "Large Magnetoresistance in Magnetically Coupled SrRuO ₃ -CoFe ₂ O ₄ Self-assembled Nanostructures", <i>Adv. Mater.</i> 25 , 4753 (2013).
7.	S. I. Chan*, Y.-J. Lu, P. Nagababu, S. Maji, M.-C. Hung, M. M. Lee, I.-J. Hsu, P. D. Minh, J. C.-H. Lai, K. Y. Ng, S. Ramalingam, S. S.-F. Yu* (俞聖法) and M. K. Chan*, "Efficient Oxidation of Methane to Methanol by Dioxigen Mediated by Tricopper Clusters", <i>Angew. Chem. Int. Edit.</i> 52 , 3731 (2013).
8.	W.-Y. Huang, F. Yoshimura, K. Ueda, Y. Shimomura, H.-S. Sheu (許火順), T.-S. Chan (詹丁山), H. F. Greer, W. Zhou, S.-F. Hu, R.-S. Liu* (劉如熹), and J. P. Attfield, "Nanosegregation and Neighbor-Cation Control of Photoluminescence in Carbido-nitridosilicate Phosphors", <i>Angew. Chem. Int. Edit.</i> 52 , 8102 (2013).
9.	L. Li, L. H. Li*, Y. Chen*, X. J. Dai, P. R. Lamb, B.-M. Cheng (鄭炳銘), M.-Y. Lin, and X. Liu, "High-quality Boron Nitride Nanoribbons: Unzipping during Nanotube Synthesis", <i>Angew. Chem. Int. Edit.</i> 52 , 4212 (2013).
10.	Y. Zhou, N. J. Lawrence, L. Wang, L. Kong, T.-S. Wu, J. Liu, Y. Gao, J. R. Brewer, V. K. Lawrence, R. F. Sabirianov, Y.-L. Soo (蘇雲良), X. C. Zeng, P. A. Dowben, W. N. Mei, and C. L. Cheung*, "Resonant Photoemission Observations and DFT Study of s-d Hybridization in Catalytically Active Gold Clusters on Ceria Nanorods", <i>Angew. Chem. Int. Edit.</i> 52 , 6936 (2013).
11.	C. W. Luo* (羅志偉), H. J. Wang, S. A. Ku, H.-J. Chen, T. T. Yeh, J.-Y. Lin*, K. H. Wu, J. Y. Juang, B. L. Young, T. Kobayashi, C.-M. Cheng, C.-H. Chen, K.-D. Tsuei (崔古鼎), R. Sankar, F. C. Chou, K. A. Kokh, O. E. Tereshchenko, E. V. Chulkov, Yu. M. Andreev, and G. D. Gu, "Snapshots of Dirac Fermions near the Dirac Point in Topological Insulators", <i>Nano Lett.</i> 13 , 5797 (2013).

12. M.-J. Deng*(鄧名傑), P.-J. Ho, C.-Z. Song, S.-A. Chen(陳興安), J.-F. Lee(李志甫), J.-M. Chen*(陳錦明), and K.-T. Lu*(盧桂子), "Fabrication of Mn/Mn Oxide Core-Shell Electrodes with Three-dimensionally Ordered Macroporous Structures for High-capacitance Supercapacitors", *Energ. Environ. Sci.* **6**, 2178 (2013).
13. H.-C. Liao, C.-S. Tsao*(曹正熙), Y.-T. Shao, S.-Y. Chang, Y.-C. Huang, C.-M. Chuang, T.-H. Lin, C.-Y. Chen, C.-J. Su(蘇群仁), U.-S. Jeng(鄭有舜), Y.-F. Chen, and W.-F. Su*(林唯芳), "Bi-hierarchical Nanostructures of Donor-acceptor Copolymer and Fullerene for High Efficient Bulk Heterojunction Solar Cells", *Energ. Environ. Sci.* **6**, 1938 (2013).
14. C.-W. Liao, Y.-S. Lin, K. Chanda, Y.-F. Song(宋豔芳), and M. H. Huang*(黃喧益), "Formation of Diverse Supercrystals from Self-assembly of a Variety of Polyhedral Gold Nanocrystals", *J. Am. Chem. Soc.* **135**, 2684 (2013).
15. B. Liu, H. M. Chen, C. Liu, S. C. Andrews, C. Hahn, and P. Yang*, "Large-scale Synthesis of Transition-metal-doped TiO₂ Nanowires with Controllable Overpotential", *J. Am. Chem. Soc.* **135**, 9995 (2013).
16. S.-S. Wang, W.-T. Chen, Y. Li, J. Wang, H.-S. Sheu(許火順), and R.-S. Liu*(劉如熹), "Neighboring-cation Substitution Tuning of Photoluminescence by Remote-controlled Activator in Phosphor Lattice", *J. Am. Chem. Soc.* **135**, 12504 (2013).
17. M.-K. Lin, Y. Nakayama, C.-H. Chen, C.-Y. Wang, H.-T. Jeng, T.-W. Pi(皮敦文), H. Ishii, and S.-J. Tang*(唐述中), "Tuning Gap States at Organic-metal Interfaces via Quantum Size Effects", *Nat. Commun.* **4**, 2925 (2013).
18. M.-T. Lee*(李明道), T.-L. Sun, W.-C. Hung*, and H. W. Huang*, "Process of Inducing Pores in Membranes by Melittin", *P. Natl. Acad. Sci. USA* **110**, 14243 (2013).
19. X. Liu, M. Hammel, Y. He, J. A. Tainer, U.-S. Jeng(鄭有舜), L. Zhang, S. Wang*(王淑鶯), and X. Wang*(王新泉), "Structural Insights into the Interaction of IL-33 with Its Receptors", *P. Natl. Acad. Sci. USA* **110**, 14918 (2013).
20. S. R. Shieh*, I. Jarrige, M. Wu, N. Hiraoka(平岡望), J. S. Tse, Z. Mi, L. Kaci, J.-Z. Jiang, and Y. Q. Cai, "Electronic Structure of Carbon Dioxide under Pressure and Insights into the Molecular-to-nonmolecular Transition", *P. Natl. Acad. Sci. USA* **110**, 18402 (2013).
21. C. C. Chien, P. Y. Tseng, H. H. Chen, T. E. Hua, S. T. Chen, Y. Y. Chen, W. H. Leng, C. H. Wang, Y. Hwu*(胡宇光), G. C. Yin(殷廣鈺), K. S. Liang, F. R. Chen, Y. S. Chu, H. I. Yeh, Y. C. Yang, C. S. Yang, G. L. Zhang, J. H. Je, and G. Margaritondo, "Imaging Cells and Sub-cellular Structures with Ultrahigh Resolution Full-field X-ray Microscopy", *Biotechnol. Adv.* **31**, 375 (2013).
22. C.-C. Chien, I. M. Kempson, C. L. Wang, H. H. Chen, Y. Hwu(胡宇光), N. Y. Chen, T. K. Lee, K. K.-C. Tsai*(蔡坤志), M.-S. Liu, K.-Y. Chang, C. S. Yang, and G. Margaritondo*, "Complete Microscale Profiling of Tumor Microangiogenesis A Microradiological Methodology Reveals Fundamental Aspects of Tumor Angiogenesis and Yields an Array of Quantitative Parameters for Its Characterization", *Biotechnol. Adv.* **31**, 396 (2013).
23. S.-F. Lai, C.-C. Chien, W.-C. Chen*(陳文章), H.-H. Chen, Y.-Y. Chen, C.-L. Wang, Y. Hwu*(胡宇光), C. S. Yang, C. Y. Chen, K. S. Liang, C. Petibois, H.-R. Tan, E.-S. Tok, and G. Margaritondo, "Very Small Photoluminescent Gold Nanoparticles for Multimodality Biomedical Imaging", *Biotechnol. Adv.* **31**, 362 (2013).
24. P.-K. Chen, N.-C. Lai, C.-H. Ho, Y.-W. Hu, J.-F. Lee(李志甫), and C.-M. Yang*(楊家銘), "New Synthesis of MCM-48 Nanospheres and Facile Replication to Mesoporous Platinum Nanospheres as Highly Active Electrocatalysts for the Oxygen Reduction Reaction", *Chem. Mater.* **25**, 4269 (2013).
25. S. H. Nie, Y. Y. Chin(秦伊瑩), W. Q. Liu, J. C. Tung, J. Lu, H. J. Lin(林宏基), G. Y. Guo*(郭光宇), K. K. Meng, L. Chen, L. J. Zhu, D. Pan, C. T. Chen, Y. B. Xu, W. S. Yan, and J. H. Zhao*(趙建華), "Ferromagnetic Interfacial Interaction and the Proximity Effect in a Co₂FeAl/(Ga, Mn) Bilayer", *Phys. Rev. Lett.* **111**, 027203 (2013).
26. B.-Y. Wang, J.-Y. Hong, K.-H. O. Yang, Y.-L. Chan, D.-H. Wei(魏德新), H.-J. Lin(林宏基), and M.-T. Lin*(林敏聰), "How Antiferromagnetism Drives the Magnetization of a Ferromagnetic Thin Film to Align Out of Plane", *Phys. Rev. Lett.* **110**, 117203 (2013).
27. H. M. Chen, C. K. Chen, M. L. Tseng, P. C. Wu, C. M. Chang, L.-C. Cheng, H. W. Huang, T. S. Chan(詹丁山), D.-W. Huang, R.-S. Liu*(劉如熹), and D. P. Tsai*(蔡定平), "Plasmonic ZnO/Ag Embedded Structures as Collecting Layers for Photogenerating Electrons in Solar Hydrogen Generation Photoelectrodes", *Small* **9**, 2926 (2013).
28. T.-J. Li, C.-C. Huang, P.-W. Ruan, K.-Y. Chuang, K.-J. Huang, D.-B. Shieh*(謝達斌), and C.-S. Yeh*(葉晨聖), "In Vivo Anti-cancer Efficacy of Magnetite Nanocrystal-based System Using Locoregional Hyperthermia Combined with 5-fluorouracil Chemotherapy", *Biomaterials* **34**, 7873 (2013).
29. Y.-J. Chen, A. Ciaravella*, G. M. Munoz Caro, C. Cecchi-Pestellini, A. Jimenez-Escobar, K.-J. Juang, and T.-S. Yih, "Soft X-ray Irradiation of Methanol Ice: Formation of Products as a Function of Photon Energy", *Astrophys. J.* **778**, 162 (2013).
30. B. Sivaraman*, B. G. Nair, J.-I. Lo(羅仁佑), S. Kundu, D. Davis, V. Prabhudesai, B. N. R. Sekhar, N. J. Mason, B.-M. Cheng(鄭炳銘), and E. Krishnakumar, "Vacuum Ultraviolet and Infrared Spectra of Condensed Methyl Acetate on Cold Astrochemical Dust Analogs", *Astrophys. J.* **778**, 157 (2013).
31. Y.-J. Wu*(吳宇中), H.-F. Chen, S.-J. Chuang(莊翔竣), and T.-P. Huang(黃自平), "Ultraviolet and Infrared Spectra of Electron-bombarded Solid Nitrogen and Methane Diluted in Solid Nitrogen", *Astrophys. J.* **768**, 83 (2013).
32. Y.-J. Wu*(吳宇中), H. F. Chen, S.-J. Chuang(莊翔竣), and T.-P. Huang(黃自平), "Far Ultraviolet Absorption Spectra of N₂ and N₂⁺ Generated by Electrons Impacting Gaseous N₂", *Astrophys. J.* **779**, 40 (2013).
33. Y.-J. Hsu*(許瑤真), Y.-L. Lai(賴玉鈴), C.-H. Chen, Y.-C. Lin, H.-Y. Chien, J.-H. Wang*, T.-N. Lam, Y.-L. Chan(陳悅來), D. H. Wei(魏德新), H.-J. Lin(林宏基), and C.-T. Chen(陳建德), "Enhanced Magnetic Anisotropy via Quasi-molecular Magnet at Organic-ferromagnetic Contact", *J. Phys. Chem. Lett.* **4**, 310 (2013).
34. C.-Y. Chen, C.-S. Tsao*(曹正熙), Y.-C. Huang, H.-W. Liu, W.-Y. Chiu, C.-M. Chuang, U.-S. Jeng(鄭有舜), C.-J. Su(蘇群仁), W.-R. Wu(吳瑋儒), W.-F. Sue, and L. Wang*(王立義), "Mechanism and Control of the Structural Evolution of a Polymer Solar Cell from a Bulk Heterojunction to a Thermally Unstable Hierarchical Structure", *Nanoscale* **5**, 7629 (2013).
35. Y.-C. Chen, T.-F. Hung, C.-W. Hu, C.-Y. Chiang, C.-W. Huang, H.-C. Su(蘇暉家), R.-S. Liu*(劉如熹), C.-H. Lee, and C.-C. Chang(張家欽), "Rutile-type (Ti,Sn)O₂ Nanorods as Efficient Anode Materials Toward Its Lithium Storage Capabilities", *Nanoscale* **5**, 2254 (2013).
36. Y.-J. Chen, Y.-H. Hsieh, S.-C. Liao, Z. Hu, M.-J. Huang(黃孟傑), W.-C. Kuo, Y.-Y. Chin(秦伊瑩), T.-M. Uen, J.-Y. Juang, C.-H. Lai, H.-J. Lin*(林宏基), C.-T. Chen(陳建德), and Y.-H. Chu*(朱英豪), "Strong Magnetic Enhancement in Self-assembled Multiferroic-ferrimagnetic Nanostructures", *Nanoscale* **5**, 4449 (2013).
37. D.-Y. Cho, S. Tappertzhofen, R. Waser, and I. Valov*, "Bond Nature of Active Metal Ions in SiO₂-based Electrochemical Metallization Memory Cells", *Nanoscale* **5**, 1781 (2013).
38. Y.-H. Hsieh, H.-H. Kuo, S.-C. Liao, H.-J. Liu, Y.-J. Chen, H.-J. Lin(林宏基), C.-T. Chen(陳建德), C.-H. Lai, Q. Zhan, Y.-L. Chueh, and Y.-H. Chu*(朱英豪), "Tuning the Formation and Functionalities of Ultrafine CoFe₂O₄ Nanocrystals via Interfacial Coherent Strain", *Nanoscale* **5**, 6219 (2013).
39. J. Shalini, K. J. Sankaran, C.-L. Dong(董崇禮), C.-Y. Lee*(李紫原), N.-H. Tai, and I.-N. Lin*(林諭男), "In Situ Detection of Dopamine Using Nitrogen Incorporated Diamond Nanowire Electrode", *Nanoscale* **5**, 1159 (2013).
40. C.-L. Sun*(孫嘉良), C.-W. Pao*(包志文), H.-M. Tsai(蔡煌銘), J.-W. Chiou, S. C. Ray*, H.-W. Wang, M. Hayashi, L.-C. Chen, H.-J. Lin(林宏基), J.-F. Lee(李志甫), L. Chang, M.-H. Tsai, K.-H. Chen, and W.-F. Pong*(彭維鋒), "Atomistic Nucleation sites of Pt Nanoparticles on N-doped Carbon Nanotubes", *Nanoscale* **5**, 6812 (2013).
41. C.-Y. Wu, Y.-T. Liu, P.-C. Huang, T.-J. M. Luo, C.-H. Lee(李志浩), Y.-W. Yang(楊耀文), T.-C. Wen, T.-Y. Chen*(陳燦耀), and T.-L. Lin*(林滄浪), "Heterogeneous Junction Engineering on Core-shell Nanocatalysts Boosts the Dye-sensitized Solar Cell", *Nanoscale* **5**, 9181 (2013).