

2019 年論文統計

NSRRC SCI Journal Publications 成果發表 - 期刊論文分類 (2019)

Beamline & End Station		Public Use Since	-2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total	
TL S	01A1	SWLS-White X-ray (PRT 75%)	2005/05	16	6	5	5	3	3	4				42	
	01B1	SWLS-X-ray Microscopy (PRT 75%)	2006/01	11	5	4	4	2	6	4	2	5	6	8	57
	01C1	SWLS-EXAFS	2004/09	22	5	19	12	17	21	24	15	23	15	19	192
	01C2	SWLS-X-ray Powder Diffraction	2004/09	67	25	18	28	30	28	33	23	26	30	22	330
	03A1	BM-(HF-CGM) Photoabsorption/Photoluminescence	2003/05	48	8	15	9	4	7	5	8	7	6	6	123
	04B1	BM-(Seya) SRCD	1994/01	36	3	1	1	2	3	2	4	3	1		56
	04C2	Combustion Chemistry	2015/05									1			1
	05A1	EPU-Soft X-ray Scattering	2016/09									4	4	1	9
	05B1	EPU-Soft X-ray Chemistry	2014/09						2	2	1		1	1	7
	05B2	EPU-PEEM	2003/05	16	3	2	5	2	4	3	1	1	3	1	41
	07A1	IASW-X-ray Scattering	2011/01			5	6	1	3	5	10	7	10	10	57
	08A1	BM-(L-SGM) XPS, UPS	1994/01	53	5	9	6	11	2	5	1	8	3	2	105
	08B1	BM-AGM	2011/01				1	2	6	5	15	9	6	4	48
	09A1	U50-SPEM	2001/09	47	1	8	5	8	6	8	8	9	5	3	108
	09A2	U50-Spectroscopy	2001/01	25		6	4	5	5	3	3	7	3	3	64
	11A1	BM-(Dragon) MCD, XAS (PRT 75%)	2000/05	86	9	21	15	19	14	11	7	4	18	26	230
	13A1	SW60-X-ray Scattering	2008/01	6	6	5	10	5	7	14	16	15	11	4	99
	13B1	SW60-Protein Crystallography	2005/09	83	45	34	41	43	59	32	35	23	17	12	424
	13C1	SW60-Protein Crystallography	2006/01	2	1	3	10	8	14	8	4	8	8	10	76
	14A1	BM-IR Microscopy	2005/05	1	5	4	3	5	3	2	6	2	3	2	36
	15A1	Biopharmaceuticals Protein Crystallography	2013/01						4	10	16	15	8	11	64
	16A1	BM-Tender X-ray Absorption, Diffraction	1996/01	49	6	7	16	12	13	5	13	12	8	11	152
	17A1	W200-X-ray Powder Diffraction	2000/09	185	16	17	22	19	19	22	27	16	12	8	363
	17B1	W200-X-ray Scattering	1997/05	133	15	21	17	18	26	19	15	13	5	8	290
	17C1	W200-EXAFS	1999/01	298	38	40	35	41	45	35	44	39	40	38	693
	20A1	BM-(H-SGM) XAS	1994/01	179	14	12	13	21	20	20	21	14	16	17	347
	21A1	U90-(White Light) Chemical Dynamics (PRT 75%)	2003/05	41	2	8	5	4	4	1	2	7	1	1	76
	21A2	U90-(White Light) Photochemistry	2007/05	5	2	1	1		4	4	1	3	4	3	28
	21B1	U90-(CGM) Angle-resolved UPS	2003/05	10	5	2	3	2	1	8	3	3	6	3	46
	21B2	U90-Gas Phase	2004/09	7	2	3	3			1	1	2		1	20
	23A1	IASW-Small/Wide Angle X-ray Scattering	2009/05		13	25	37	28	38	40	51	34	36	38	340
	24A1	BM-(WR-SGM) XPS, UPS	2000/05	65	12	9	4	8	11	9	9	13	11	15	166
	05A1*	EPU-Inelastic Scattering							2		3				5
	05B1*	EPU-Spin-polarized PES	2001/09	12											12
	05B3*	EPU-Soft X-ray Scattering	2005/05	7	2	1	1			1	1				13
	17B2*	W200-Protein X-ray Crystallography	2001/09	41		1									42
	17B3*	W200-Small Angle X-ray Scattering	2006/01	58											58
	18B1*	BM-LIGA	1998/05	27	2	1	1	2							33
	19A1*	BM-X-ray Lithography	1998/09	4											4
	19B1*	Photon Stimulated Desorption	2004/09	2											2
	20B1*	BM-X-ray Instrumentation (PRT 75%)	1998/05	6											6
	TP S	05A1	Protein Microcrystallography	2016/09								1	14	17	32
09A1		Coherent X-ray Diffraction	2016/09							1	6	11	20	38	
21A1		X-ray Nanodiffraction	2016/09									1	5	6	
23A1		X-ray Nanoprobe	2018/01										2	2	
25A1		Coherent X-ray Scattering	2016/09									2	2	4	
44A1		Quick-scanning X-ray Absorption Spectroscopy	2018/09										20	20	
45A1	Submicron Soft X-ray Spectroscopy	2019/05										1	1		
SP-B	SP12B1	BM-Materials X-ray Study	2001/09	31	5	3	3	1	1	4	7	12	16	25	108
	SP12B2	BM-Protein X-ray Crystallography	2003/05	68	10	4			1	3	1				87
	SP12UI	U32-Inelastic X-ray Scattering	2003/09	28	15	10	13	7	16	14	12	15	12	10	152
Subtotal				1775	286	324	339	330	398	366	387	367	353	390	5315
Facility & Accelerator Related Research				76	7	11	10	6	10	10	17	15	13	7	182
Others				190	39	52	45	45	48	29	45	43	50	35	621
Total				2041	332	387	394	381	456	405	449	425	416	432	6118

(Source: NSRRC Library, dated March 15, 2020)

Notes:

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

生命科學領域前 5% 之 SCI 論文 (SCI Publications of Biological Science)

1.	Y. Yang, L. Li, L. Yuan, X. Zhou, J. Duan, H. Xiao, N. Cai, S. Han, X. Ma, W. Liu, C.-C. Chen, L. Wang, X. Li, J. Chen, N. Kang, J. Chen, Z. Shen, S. R. Malwal, W. Liu, Y. Shi, E. Oldfield*, R.-T. Guo*(郭瑞庭), and Y. Zhang*(張永輝), "A Structural Change in Butyrophilin upon Phosphoantigen Binding Underlies Phosphoantigen-mediated Vγ9Vδ2 T Cell Activation", <i>Immunity</i> 50 , 1043 (2019).
2.	Y.-K. Chang, Y.-P. Huang, X.-X. Liu, T.-P. Ko, Y. Bessho, M. Maestre-Reyna, W.-J. Wu*(吳文晉), and M.-D. Tsai*(蔡明道), "Human DNA Polymerase μ Can Use a Noncanonical Mechanism for Multiple Mn ²⁺ -mediated Functions", <i>J. Am. Chem. Soc.</i> 141 , 8489 (2019).
3.	C.-Y. Chen*, Y.-C. Chang, B.-L. Lin, K.-F. Lin, C.-H. Huang(黃駿翔), D.-L. Hsieh, T.-P. Ko, and M.-D. Tsai*(蔡明道), "Use of Cryo-EM to Uncover Structural Bases of pH Effect and Cofactor Bispecificity of Ketol-acid Reductoisomerase", <i>J. Am. Chem. Soc.</i> 141 , 6136 (2019).
4.	C.-C. Chang, C.-J. Chen, C. Grauffel, Y.-C. Pien, C. Lim, S.-Y. Tsai*(蔡素宜), and K.-C. Hsia*(夏國強), "Ran Pathway-independent Regulation of Mitotic Golgi Disassembly by Importin- α ", <i>Nat. Commun.</i> 10 , 4307 (2019).
5.	C.-C. Cho, C.-Y. Chien, Y.-C. Chiu, M.-H. Lin, and C.-H. Hsu*(徐駿森), "Structural and Biochemical Evidence Supporting Poly ADP-ribosylation in the Bacterium <i>Deinococcus Radiodurans</i> ", <i>Nat. Commun.</i> 10 , 1491 (2019).
6.	Y. Xie, J. Sun, X. Han, A. Tursi-Wunder, J. D. W. Toh, W. Hong, Y.-G. Gao*, and Y. Miao*, "Polarisome Scaffolder Spa2-mediated Macromolecular Condensation of Aip5 for Actin Polymerization", <i>Nat. Commun.</i> 10 , 5078 (2019).
7.	C.-H. Chu, C.-Y. Yen, B.-W. Chen, M.-G. Lin, L.-H. Wang, K.-Z. Tang, C.-D. Hsiao*(蕭傳登), and Y.-J. Sun*(孫玉珠), "Crystal Structures of HpSoj-DNA Complexes and the Nucleoid-adapter Complex Formation in Chromosome Segregation", <i>Nucleic Acids Res.</i> 47 , 2113 (2019).
8.	R. Satange, C.-Y. Chuang, S. Neidle, and M.-H. Hou*(侯明宏), "Polymorphic G: G Mismatches Act as Hotspots for Inducing Right-handed Z DNA by DNA Intercalation", <i>Nucleic Acids Res.</i> 47 , 8899 (2019).
9.	C.-C. Wu, J. L. J. Lin, H.-F. Yang-Yen, and H. S. Yuan*(袁小玲), "A Unique Exonuclease ExoG Cleaves Between RNA and DNA in Mitochondrial DNA Replication", <i>Nucleic Acids Res.</i> 47 , 5405 (2019).
10.	H. Zogragi, M. Larsson, W. Ren, A. Y. L. Sim, J. Gettemans, J. M. Grimes, W. Li*, and R. C. Robinson*, "The Role of Gelsolin Domain 3 in Familial Amyloidosis(Finnish Type)", <i>P. Natl. Acad. Sci. USA</i> 116 , 13958 (2019).

自然科學領域前 5% 之 SCI 論文 (SCI Publications of Natural Science)

1.	J. Gu, C.-S. Hsu, L. Bai, H. M. Chen*(陳浩銘), and X. Hu*, "Atomically Dispersed Fe ³⁺ Sites Catalyze Efficient CO ₂ Electroreduction to CO", <i>Science</i> 364 , 1091 (2019).
2.	Y.-D. Liou, Y.-Y. Chiu, R. T. Hart, C.-Y. Kuo, Y.-L. Huang, Y.-C. Wu, R. V. Chopdekar, H.-J. Liu, A. Tanaka, C.-T. Chen(陳建德), C.-F. Chang, L. H. Tjeng, Y. Cao, V. Nagarajan, Y.-H. Chu, Y.-C. Chen*(陳宜君), and J.-C. Yang*(楊展其), "Deterministic Optical Control of Room Temperature Multiferroicity in BiFeO ₃ Thin Films", <i>Nat. Mater.</i> 18 , 580 (2019).
3.	J. Fu, P. Yu, N. Zhang*(張念), G. Ren, S. Zheng, W. Huang, X. Long, H. Li, and X. Liu*(劉曠高), "In Situ Formation of a Bifunctional Interlayer Enabled by a Conversion Reaction to Initiatively Prevent Lithium Dendrites in a Garnet Solid Electrolyte", <i>Energy Environ. Sci.</i> 12 , 1404 (2019).
4.	G. Chen, Y. Zhu, H. M. Chen, Z. Hu, S.-F. Hung, N. Ma, J. Dai, H.-J. Lin(林宏基), C.-T. Chen(陳建德), W. Zhou*(周寬), and Z. Shao*(邵宗平), "An Amorphous Nickel-iron-based Electrocatalyst with Unusual Local Structures for Ultrafast Oxygen Evolution Reaction", <i>Adv. Mater.</i> 31 , 1900883 (2019).
5.	R. Chen, S.-F. Hung, D. Zhou, J. Gao, C. Yang, H. Tao, H. B. Yang, L. Zhang, L. Zhang, Q. Xiong, H. M. Chen, and B. Liu*, "Layered Structure Causes Bulk NiFe Layered Double Hydroxide Unstable in Alkaline Oxygen Evolution Reaction", <i>Adv. Mater.</i> 31 , 1903909 (2019).
6.	Z.-Z. Chen, L.-C. Wang, D. Manoharan, C.-L. Lee, L.-C. Wu(吳來錦), W.-T. Huang, E.-Y. Huang, C.-H. Su*(蘇家豪), H.-S. Sheu*(許火順), and C.-S. Yeh*(葉晨聖), "Low Dose of X-ray-excited Long-lasting Luminescent Concave Nanocubes in Highly Passive Targeting Deep-seated Hepatic Tumors", <i>Adv. Mater.</i> 31 , 1905087 (2019).
7.	M. Qin, K. Tse, T.-K. Lau, Y. Li, C.-J. Su(蘇群仁), G. Yang, J. Chen, J. Zhu, U.-S. Jeng(鄭有舜), G. Li, H. Chen, and X. Lu*(路新慧), "Manipulating the Mixed-perovskite Crystallization Pathway Unveiled by In Situ GIWAXS", <i>Adv. Mater.</i> 31 , 1901284 (2019).
8.	D. Zhao, C.-L. Dong, B. Wang, C. Chen, Y.-C. Huang, Z. Diao, S. Li, L. Guo, and S. Shen*, "Synergy of Dopants and Defects in Graphitic Carbon Nitride with Exceptionally Modulated Band Structures for Efficient Photocatalytic Oxygen Evolution", <i>Adv. Mater.</i> 31 , 1903545 (2019).
9.	S. Zhou, L. Shang, Y. Zhao, R. Shi, G. I. N. Waterhouse, Y.-C. Huang, L. Zheng, and T. Zhang*(張鐵銳), "Pd Single-atom Catalysts on Nitrogen-doped Graphene for the Highly Selective Photothermal Hydrogenation of Acetylene to Ethylene", <i>Adv. Mater.</i> 31 , 1900509 (2019).
10.	S. Liu, Z. Liu, X. Shen, X. Wang, S. C. Liao, R. Yu, Z. Wang*(王兆翔), Z. Hu, C. T. Chen(陳建德), X. Yu, X. Yang, L. Chen, "Li-Ti Cation Mixing Enhanced Structural and Performance Stability of Li-Rich Layered Oxide", <i>Adv. Energy Mater.</i> 9 , 1901530 (2019).
11.	C.-W. Tung, T.-R. Kuo*, C.-S. Hsu, Y. Chuang, H.-C. Chen, C.-K. Chang(張仲凱), C.-Y. Chien, Y.-J. Lu(盧英睿), T.-S. Chan(詹丁山), J.-F. Lee(李志甫), J.-Y. Li, and H. M. Chen*(陳浩銘), "Light-induced Activation of Adaptive Junction for Efficient Solar-driven Oxygen Evolution: In Situ Unraveling the Interfacial Metal-Silicon Junction", <i>Adv. Energy Mater.</i> 9 , 1901308 (2019).
12.	J. Jiao, R. Lin, S. Liu, W.-C. Cheong, C. Zhang, Z. Chen, Y. Pan, J. Tang, K. Wu, S.-F. Hung, H. M. Chen, L. Zheng, Q. Lu, X. Yang, B. Xu, H. Xiao*(肖海), J. Li, D. Wang, Q. Peng, C. Chen*(陳晨), and Y. Li, "Copper Atom-pair Catalyst Anchored on Alloy Nanowires for Selective and Efficient Electrochemical Reduction of CO ₂ ", <i>Nat. Chem.</i> 11 , 222 (2019).
13.	S.-F. Hung, Y. Zhu, G.-Q. Tzeng, H.-C. Chen, C.-S. Hsu, Y.-F. Liao(廖彥發), H. Ishii(石井啟文), N. Hiraoka(平岡望), and H. M. Chen*(陳浩銘), "In Situ Spatially Coherent Identification of Phosphide-based Catalysts: Crystallographic Latching for Highly Efficient Overall Water Electrolysis", <i>ACS Energy Lett.</i> 4 , 2813 (2019).
14.	S. Zhou, Y. Ma, G. Zhou, X. Xu, M. Qin, Y. Li, Y.-J. Hsu(許瑤真), H. Hu, G. Li, N. Zhao, J. Xu, and X. Lu*(路新慧), "Ag-doped Halide Perovskite Nanocrystals for Tunable Band Structure and Efficient Charge Transport", <i>ACS Energy Lett.</i> 4 , 534 (2019).
15.	Y. Zhu, H.-C. Chen, C.-S. Hsu, T.-S. Lin, C.-J. Chang, S.-C. Chang, L.-D. Tsai, and H. M. Chen*(陳浩銘), "Operando Unraveling of the Structural and Chemical Stability of P-Substituted CoSe ₂ Electrocatalysts Toward Hydrogen and Oxygen Evolution Reactions in Alkaline Electrolyte", <i>ACS Energy Lett.</i> 4 , 987 (2019).
16.	L. Chen*, P. Cheng, Z. Zhang, L. He, Y. Jiang, G. Li*, X. Jing, Y. Qin, M. Yin, T.-S. Chan(詹丁山), B. Hong, S. Tao, W. Chu, Z. Zhao, H. Ni, H. Kohlmann, and O. Oeckler*, "Reduced Local Symmetry in Lithium Compound Li ₂ SrSiO ₄ Distinguished by an Eu ³⁺ Spectroscopy Probe", <i>Adv. Sci.</i> 6 , 1802126 (2019).
17.	D. Guan, J. Zhou, Z. Hu*(胡志偉), W. Zhou*(周寬), X. Xu, Y. Zhong, B. Liu, Y. Chen, M. Xu, H.-J. Lin(林宏基), C.-T. Chen(陳建德), J.-Q. Wang, and Z. Shao*(邵宗平), "Searching Universal Sufficient-and-necessary Conditions for Ultrafast Hydrogen-evolving Electrocatalysis", <i>Adv. Funct. Mater.</i> 29 , 1900704 (2019).
18.	C. Liao, B. Yang, N. Zhang*(張寧), M. Liu, G. Chen, X. Jiang, G. Chen, J. Yang, X. Liu*(劉小鶴), T.-S. Chan(詹丁山), Y.-J. Lu(盧英睿), R. Ma*(馬仁志), and W. Zhou, "Constructing Conductive Interfaces Between Nickel Oxide Nanocrystals and Polymer Carbon Nitride for Efficient Electrocatalytic Oxygen Evolution Reaction", <i>Adv. Funct. Mater.</i> 29 , 1904020 (2019).
19.	C.-Y. Lin, S.-S. Li, J.-W. Chang, H.-C. Chia, Y.-Y. Hsiao, C.-J. Su(蘇群仁), B.-J. Lian, C.-Y. Wen, S.-K. Huang, W.-R. Wu(吳瑋偉), D.-Y. Wang, A.-C. Su, C.-W. Chen*(陳俊維), and U.-S. Jeng*(鄭有舜), "Unveiling the Nanoparticle-seeded Catalytic Nucleation Kinetics of Perovskite Solar Cells by Time-resolved GIXS", <i>Adv. Funct. Mater.</i> 29 , 1902582 (2019).
20.	Z. Sun*(孫振宇), R. Huo, C. Choi, S. Hong, T.-S. Wu, J. Qiu*(邱介山), C. Yan, Z. Han, Y. Liu, Y.-L. Soo, and Y. Jung*, "Oxygen Vacancy Enables Electrochemical N ₂ Fixation Over WO ₃ with Tailored Structure", <i>Nano Energy</i> 62 , 869 (2019).
21.	C.-Y. Wu, Q. Bao, Y. C. Lai(賴彥仲), X. Liu, Y.-C. Lu, H. Tao, and J.-G. Duh*(杜正恭), "In-situ Thermal Annealing Pt/Ti Interphase Layers for Epitaxial Growth of Improved Li(Ni _{0.5} Mn _{0.3} Co _{0.2})O ₂ Solid Thin-film Cathodes", <i>Nano Energy</i> 60 , 784 (2019).
22.	L. Bai, C.-S. Hsu, D. T. L. Alexander, H. M. Chen*(陳浩銘), and X. Hu*, "A Cobalt-iron Double-atom Catalyst for the Oxygen Evolution Reaction", <i>J. Am. Chem. Soc.</i> 141 , 14190 (2019).
23.	L.-N. Chen, K.-P. Hou, Y.-S. Liu, Z.-Y. Qi, Q. Zheng, Y.-H. Lu, J.-Y. Chen, J.-L. Chen(陳政龍), C.-W. Pao(包志文), S.-B. Wang, Y.-B. Li, S.-H. Xie, F.-D. Liu, D. Prendergast, L. E. Klebanoff, V. Stavila, M. D. Allendorf, J. Guo, L.-S. Zheng, J. Su*, and G. A. Somorjai*, "Efficient Hydrogen Production from Methanol Using a Single-site Pt ₁ /CeO ₂ Catalyst", <i>J. Am. Chem. Soc.</i> 141 , 17995 (2019).
24.	J. Coreo, A. Garcia-Ortiz, S. Iborra, M. J. Climent, L. Liu, C.-H. Chuang, T.-S. Chan(詹丁山), C. Escudero, P. Concepción*, and A. Corma*, "Hydrothermal Synthesis of Ruthenium Nanoparticles with a Metallic Core and a Ruthenium Carbide Shell for Low-temperature Activation of CO ₂ to Methane", <i>J. Am. Chem. Soc.</i> 141 , 19304 (2019).
25.	J. Gao, C.-Q. Xu, S.-F. Hung, W. Liu, W. Cai, Z. Zeng, C. Jia, H. M. Chen, H. Xiao, J. Li*(李隽), Y. Huang*(黃延強), and B. Liu*, "Breaking Long-range Order in Iridium Oxide by Alkali Ion for Efficient Water Oxidation", <i>J. Am. Chem. Soc.</i> 141 , 3014 (2019).
26.	B. Thirumalraj, T. T. Hagos, C.-J. Huang, M. A. Teshager, J.-H. Cheng, W.-N. Su*(蘇威年), and B.-J. Hwang*(黃炳照), "Nucleation and Growth Mechanism of Lithium Metal Electroplating", <i>J. Am. Chem. Soc.</i> 141 , 18612 (2019).
27.	H. Wang, X. Xiao, S. Liu, C. L. Chiang, X. Kuai, C. K. Peng, Y. C. Lin, X. Meng, J. Zhao, J. Choi*, Y. G. Lin(林彥谷), J. M. Lee*, and L. Gao*(高立軍), "Structural and Electronic Optimization of MoS ₂ Edges for Hydrogen Evolution", <i>J. Am. Chem. Soc.</i> 141 , 18578 (2019).
28.	Z. Yang, M. Wei, O. Voznyy, P. Todorovic, M. Liu, R. Quintero-Bermudez, P. Chen, J. Z. Fan, A. H. Proppe, L. N. Quan, G. Walters, H. Tan, J.-W. Chang, U.-S. Jeng(鄭有舜), S. O. Kelley, and E. H. Sargent*, "Anchored Ligands Facilitate Efficient B-site Doping in Metal Halide Perovskites", <i>J. Am. Chem. Soc.</i> 141 , 8296 (2019).
29.	A. Chang, W.-S. Peng, I.-T. Tsai, L.-F. Chiang, and C.-M. Yang*(楊家銘), "Efficient Hydrogen Production by Selective Alcohol Photoreforming on Plasmonic Photocatalyst Comprising Sandwiched Au Nanodisks and TiO ₂ ", <i>Appl. Catal. B-Environ.</i> 255 , 117773 (2019).

30. Z. Han, C. Choi, S. Hong, T.-S. Wu, Y.-L. Soo, Y. Jung*, J. Qiu, and Z. Sun* (孫振宇), "Activated TiO₂ with Tuned Vacancy for Efficient Electrochemical Nitrogen Reduction", *Appl. Catal. B-Environ.* **257**, 117896 (2019).
31. M.-Y. Kuo, C.-F. Hsiao, Y.-H. Chiu, T.-H. Lai, M.-J. Fang, J.-Y. Wu, J.-W. Chen, C.-L. Wu (吳忠霖), K.-H. Wei, H.-C. Lin* (林欣杰), Y.-J. Hsu* (徐雅馨), "Au@Cu₂O Core@Shell Nanocrystals as Dual-functional Catalysts for Sustainable Environmental Applications", *Appl. Catal. B-Environ.* **242**, 499 (2019).
32. X. Ao, W. Zhang, Z. Li, J.-G. Li, L. Soule, X. Huang*, W.-H. Chiang, H. M. Chen, C. Wang* (王春棟), M. Liu, and X. C. Zeng*, "Markedly Enhanced Oxygen Reduction Activity of Single-atom Fe Catalysts via Integration with Fe Nanoclusters", *ACS Nano* **13**, 11853 (2019).
33. Y.-C. Wang, H. Li, Y.-H. Hong, K.-B. Hong, F.-C. Chen, C.-H. Hsu (徐嘉鴻), R.-K. Lee, C. Conti, T. S. Kao* (高宗聖), and T.-C. Lu* (盧廷昌), "Flexible Organometal-halide Perovskite Lasers for Speckle Reduction in Imaging Projection", *ACS Nano* **13**, 5421 (2019).
34. T. S. Zeleke, M.-C. Tsai, M. A. Weret, C.-J. Huang, M. K. Birhanu, T.-C. Liu, C.-P. Huang, Y.-L. Soo, Y.-W. Yang (楊耀文), W.-N. Su* (蘇威年), and B.-J. Hwang* (黃炳照), "Immobilized Single Molecular Molybdenum Disulfide on Carbonized Polyacrylonitrile for Hydrogen Evolution Reaction", *ACS Nano* **13**, 6720 (2019).
35. C.-J. Chang, S.-F. Hung, C.-S. Hsu, H.-C. Chen, S.-C. Lin, Y.-F. Liao (廖彥發), and H. M. Chen* (陳浩銘), "Quantitatively Unraveling the Redox Shuttle of Spontaneous Oxidation/Electroreduction of Cu₂O on Silver Nanowires Using In Situ X-ray Absorption Spectroscopy", *ACS Central Sci.* **5**, 1998 (2019).
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