

教師姓名	作者群	論文名稱	期刊名稱	卷	期	頁	發表年	發表月
余健文	Li, Zhan Hua; He, Jia Xing; Li, Jia Yu; Xu, Ke; Lv, Xiao Hu; Li, Ming-de; Liu, Chao Ping; Yu, Kin Man; Ye, Jian Dong	Native Defect-Dependent Ultrafast Carrier Dynamics in p-Type Dopable Wide-Bandgap NiO	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	16	1	175-183	2024	12
郭政育	Baczko, Anne-Kathrin; Kadler, Matthias; (略); Kuo, Cheng-Yu; (略); Zhao, Guang-Yao (共287人)	The putative center in NGC1052	ASTRONOMY & ASTROPHYSICAL JOURNAL	692		id.A205:1-15	2024	12
林德鴻	Lin, De-Hone	The Conformal Image of the Electron	ANNALENDER PHYSIK	536	12		2024	12
郭政育	Algaba, J. C.; Balokovic, M.; (略); Kuo, C. -Y.; (略); Zhao, R.; Zhong, W. (共761人)	Broadband multi-wavelength properties of M87 during the 2018 EHT campaign including a very high energy flaring episode	ASTRONOMY & ASTROPHYSICAL JOURNAL	692		id.A140:1-44	2024	12
黃旭明	Huang, Shiu-Ming; Tu, Tzu-Yueh; Wang, Pin-Cing; Chou, Mitch; Li, Chang-Yu; Wu, Hao-Ting; Hsieh, Yue-Cheng; Chen, Ruei-San	The surface oxidation effect on photocurrent in WSe _{1.95} Te _{0.05} nanosheets	ISCIENCE	27	12	111461	2024	12
莊豐權	Arokiasamy, Susaiammal; Macam, Gennevieve M.; Sreeparvathy, P. C.; Villaos, Rovi Angelo B.; Huang, Zhi-Quan; Hsu, Chia-Hsiu; Okada, Yoshinori; Lin, Hsin; Chuang, Feng-Chuan	Electronic, magnetic, and topological properties of ferromagnetic 2D perovskite-type oxides	NEW JOURNAL OF PHYSICS	26	12	123031	2024	12

莊豐權	Tiwari, Ajay; Kakarla, D. Chandrasekhar; Lu, C. E.; Dwivedi, G. D.; Sreeparvathy, P. C.; Hsu, Chia-Hsiu; Chuang, F. C.; Puri, Nidhi; Hu, Y. J.; Lin, J. Y.; Murali, Suganya; Sankar, R.; Joshi, Aprajita; Saha, Surajit; Dhanasekhar, C.; Kumawat, S. M.; Chou, H.; Huang, C. L.; Yang, H. D.	Modulation of magnetic and multiferroic properties by chemical substitution in Fe ₂ (MoO ₄) ₃	PHYSICAL REVIEW B	110	21	214413	2024	12
張鼎張	Hsu, Jui-Tse; Hsu, Shawn S. H.; Chang, Ting-Chang; Lien, Chen-Hsin; Kuo, Ting-Tzu; Yeh, Chien-Hung; Lin, Jia-Hong; Lee, Ya- Huan; Lin, Cheng- Hsien; Hung, Wei- Chieh; Huang, I-Yu	Investigating the Arc-Shaped Kink Drain Voltage of Drain Current With Capacitance-Voltage Measurement Method in GaN HEMTs	IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY	24	4	544-548	2024	12
張鼎張	Kuo, Ting-Tzu; Chen, Ying-Chung; Chang, Ting-Chang; Yeh, Chien-Hung; Lin, Jia-Hong; Lee, Ya-Huan; Hung, Wei-Chieh; Kuo, Hung-Ming; Hsu, Jui-Tse; Lin, Cheng- Hsien; Chen, Bo-Yu; Kuo, Yu-Hsuan	The Reliability and Noise Investigation of Boron Diffusion Under Positive Bias Temperature Instability in 16 nm Node High Voltage FinFETs	IEEE TRANSACTIONS ON ELECTRON DEVICES	71	12	7302- 7307	2024	12

楊弘敦	Tiwari, Ajay; Kakarla, D. Chandrasekhar; Lu, C. E.; Dwivedi, G. D.; Sreeparvathy, P. C.; Hsu, Chia-Hsiu; Chuang, F. C.; Puri, Nidhi; Hu, Y. J.; Lin, J. Y.; Murali, Suganya; Sankar, R.; Joshi, Aprajita; Saha, Surajit; Dhanasekhar, C.; Kumawat, S. M.; Chou, H.; Huang, C. L.; Yang, H. D.	Modulation of magnetic and multiferroic properties by chemical substitution in Fe ₂ (MoO ₄) ₃	PHYSICAL REVIEW B	110	21	214413	2024	12
錢德勒	Tiwari, Ajay; Kakarla, D. Chandrasekhar; Lu, C. E.; Dwivedi, G. D.; Sreeparvathy, P. C.; Hsu, Chia-Hsiu; Chuang, F. C.; Puri, Nidhi; Hu, Y. J.; Lin, J. Y.; Murali, Suganya; Sankar, R.; Joshi, Aprajita; Saha, Surajit; Dhanasekhar, C.; Kumawat, S. M.; Chou, H.; Huang, C. L.; Yang, H. D.	Modulation of magnetic and multiferroic properties by chemical substitution in Fe ₂ (MoO ₄) ₃	PHYSICAL REVIEW B	110	21	214413	2024	12
范越芳	Iqbal, Tahir; Munir, Rana Mustansar; Farooq, Huma; Afsheen, Sumera; Younas, Ayesha; Pham, Phuong V.; Syed, Asad; AL- Shwaiman, Hind A.; Wong, Ling Shing	Novel Fe doped NiO-based electrode material for photoactivated catalyst and supercapacitor application	JOURNAL OF ENERGY STORAGE	103		114284	2024	12

吳紘丞	Shi, Yunshu; Cao, Huibo; Wu, Hung-Cheng; Yin, Li; Harrison, Neil; Parker, David S.; Bhowmick, Tushar; Mcnamee, Tessa; Safari, Fatemeh; Bud'ko, Sergey L.; Fettinger, James C.; Kauzlarich, Susan M.; Klavins, Peter; Popov, Dmitry; Kumar, Ravhi; Hemley, Russell J.; Deemyad, Shanti; Sato, Taku J.; Canfield, Paul. C.; Taufour, Valentin	Anomalous temperature-dependent magnetization in the nearly collinear antiferromagnet Y2Co3	PHYSICAL REVIEW B	110	23	235159-1-235159-14	2024	12
范越芳	Do, Huy-Binh; Le, Dong-Nghi; Nguyen, Tuan-Huu; Nguyen, Van Toan; Phan-Gia, Anh-Vu; Hien, Ta Dinh; Le, Hoang-Minh; Pham, Phuong, V; De Souza, Maria Merlyne; Dang, Nam Nguyen	Recycling of reduced graphene oxide from graphite rods in disposable zinc battery applicable to optical sensing	CERAMICS INTERNATIONAL	50	21	43754-43762	2024	11
黃旭明	Huang, Shiu-Ming; Cheng, Fu-En; Cheng, Wei-Chueh; Wang, Pin-Cing; Yan, You-Jhih; Chou, Mitch M. C.; Lee, Chih-Mien; Wu, Chiu-Hsien	Enhancement of NO2 sensing in Sb2Te2Se by vacancies	SENSORS AND ACTUATORS A-PHYSICAL	378		115796	2024	11
張鼎張	Tsai, Chia-Hung; Wu, Yang-En; Kuo, Chuan-Wei; Chang, Ting-Chang; Chen, Li-Yin; Chen, Fang-Chung; Kuo, Hao-Chung	Exploring Light Stability and Trapping Mechanisms in Organic Thin-Film Transistors for High-Brightness MicroLED Integration	MATERIALS	17	22	109235	2024	11

范越芳	Kumar, Anuj; Ubaidullah, Mohd; Pham, Phuong V.; Gupta, Ram K.	Three-dimensional macro-structures of graphene-based materials for emerging heterogeneous electrocatalysis: Concepts, syntheses, principles, applications, and perspectives	CHEMICAL ENGINEERING JOURNAL	499			2024	11
張鼎張	Lee, Ya-Huan; Chen, Po-Hsun; Zhang, Yong-Ci; Wu, Chung-Wei; Chou, Sheng-Yao; Wang, Yu-Bo; Kuo, Hung- Ming; Lin, Yu-Shan; Chen, Yan-Ta; Tsai, Yu-Jie; Chang, Ting- Chang	An Approach to Extract the Trap States via the Dynamic Ron Method With Substrate Voltage Applied During the Recovery Time	IEEE TRANSACTIONS ON ELECTRON DEVICES	71	11	6616- 6619	2024	11
莊豐權	Purwitasari, Winda; Sufyan, Ali; Villaos, Rovi Angelo B.; Huang, Zhi-Quan; Bansil, Arun; Lin, Hsin; Chuang, Feng- Chuan	Topological insulating phase in nonsymmorphic bulk AX ₂ (A = Ca, Sr, or Ba; and X = As, Sb, or Bi) compounds	APPLIED PHYSICS LETTERS	125	21	213102	2024	11
范越芳	Dharmalingam, Karthigaimuthu; Thangavel, Elangovan; Tsai, Pei- Chien; Pham, Phuong V.; Prakasham, Karthikeyan; Andaluri, Gangadhar; Manjappa, Kiran B.; Lin, Yuan-Chung; Ponnusamy, Vinoth	Novel MoS ₂ -In ₂ O ₃ - WS ₂ (2D/3D/2D) ternary heterostructure nanocomposite material: Efficient photocatalytic degradation of antimicrobial agents under visible-light	ENVIRONMENTAL RESEARCH	261		119759	2024	11

范越芳	Mai, The-Hung; Kumar, Rohit; Soni, Vatika; Singh, Pardeep; Iqbal, Tahir; Kumar, Alagarsamy S. K.; Nguyen, Van-Huy; Raizada, Pankaj; Pham, Phuong, V	2D heterostructures in photocatalysis for emerging applications: Current Status, challenges, and Prospectives	JOURNAL OF CATALYSIS	439		115744	2024	11
陳柏勳	Lee, Ya-Huan; Chen, Po-Hsun; Zhang, Yong-Ci; Wu, Chung-Wei; Chou, Sheng-Yao; Wang, Yu-Bo; Kuo, Hung-Ming; Lin, Yu-Shan; Chen, Yan-Ta; Tsai, Yu-Jie; Chang, Ting-Chang	An Approach to Extract the Trap States via the Dynamic Ron Method With Substrate Voltage Applied During the Recovery Time	IEEE TRANSACTIONS ON ELECTRON DEVICES	71	11	6616-6619	2024	11
史丹哲夫	Costa, Goncalo; Brogden, Emily M.; Young, Jacob J.; Ou, Huiliang; Hernandez-Serrano, Arturo I.; Stantchev, Rayko I.; Bon, Stefan A. F.; Pickwell-MacPherson, Emma	Developing Hydration Maps of Polymer Latex Film Formation Using Terahertz Time-Domain Spectroscopy	LANGMUIR	40	47	25023-25033	2024	11
呂浩宇	Beilis, Dan; Beck, Sara C.; Lacy, John; Turner, Jean L.; Liu, Hauyu Baobab; Ho, Paul T. P.; Consiglio, S. Michelle	The radio-infrared nebula in II Zw 40: clusters forming in colliding elongated clouds	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	535	1	1052-1066	2024	11
張鼎張	Kuo, Ting-Tzu; Chen, Ying-Chung; Chang, Ting-Chang; Lin, Jia-Hong; Chang, Kai-Chun; Hsu, Jui-Tse; Wu, Yi-Zhen; Yeh, Chien-Hung; Hung, Wei-Chieh; Lee, Ya-Huan; Kuo, Hung-Ming; Lin, Cheng-Hsien; Lee, Jason; Sze, Simon M.	An Extensive Negative Gate Bias Stress Degradation Mechanism in GaN MIS-HEMTs for Aerospace Applications	IEEE TRANSACTIONS ON ELECTRON DEVICES	71	10	5941-5948	2024	10

郭建成	Llona, Bheim M.; Chou, Hsin-Lei; Lan, Liang-Wei; Wu, Shih-Yu; Hsu, Chia- Hsiu; Chuang, Feng- Chuan; Lin, Hsin; Kuo, Chien-Cheng	Robust large-gap quantum spin Hall states in stabilized bismuthene on Si(111)- α - $\sqrt{3}\times\sqrt{3}$ -Au	2D MATERIALS	11	4		2024	10
莊豐權	Llona, Bheim M.; Chou, Hsin-Lei; Lan, Liang-Wei; Wu, Shih-Yu; Hsu, Chia- Hsiu; Chuang, Feng- Chuan; Lin, Hsin; Kuo, Chien-Cheng	Robust large-gap quantum spin Hall states in stabilized bismuthene on Si(111)- α - $\sqrt{3}\times\sqrt{3}$ -Au	2D MATERIALS	11	4		2024	10
蘇萬生	Chen, Kai; Yang, Riyi; Wang, Zhefeng; Zhao, Wuyan; Xu, Youmin; Sun, Huaijun; Zhang, Chao; Wang, Songyou; Ho, Kaiming; Wang, Cai- Zhuang; Su, Wan- Sheng	Exploring the phase change and structure of carbon using a deep learning interatomic potential	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	26	40	25936- 25945	2024	10
范越芳	Liaqat, Maira; Khalid, N. R.; Iqbal, Tahir; Maryam, Iqra; Tanveer, Muhammad; Hussain, Muhammad Khalid; Pham, Phuong, V; Ali, Atif Mossad; Sayed, M. A.	Synthesis of heterojunction BiVO4/MnO2 graphene ternary nanocomposites with enhanced photocatalytic activities through degradation of rhodamine B and tetracycline hydrochloride	CHINESE JOURNAL OF PHYSICS	91		406-420	2024	10
范越芳	Jadoon, Jamil K.; Pham, Phuong, V	Hybrid TiO2-RGO nanocomposite as high specific capacitance electrode for supercapacitor	NANOTECH NOLOGY	35	43		2024	10

范越芳	Yousaf, Muhammad; Munir, Rana Mustansar; Iqbal, Tahir; Afsheen, Sumera; Khan, Muhammad Isa; Wali, Hussain; Rizvi, Hassan Imam; Pham, Phuong, V; AlObaid, Abeer A.; Warad, Ismail; Rafique, Shahzadi	Exploring innovative antibacterial properties of porous ALT (Al ₂ O ₃ / TiO ₂) composite	MATERIALS CHEMISTRY AND PHYSICS	325		129736	2024	10
范越芳	Lims, S. Cathrin; Jose, M.; Aswathappa, Sivakumar; Dhas, S. Sahaya Jude; Kumar, Raju Suresh; Pham, Phuong, V	High-performance Bi ₂ O ₃ nanoflakes for advanced energy storage applications	MATERIALS CHARACTERIZATION	216		114294	2024	10
孫士傑	Lin, Re-Ching; Sun, Shih-Jye	Reduction of TCF effect in FBAR devices using DC bias	APPLIED PHYSICS LETTERS	125	17		2024	10
朱有花	Points, Sean D.; Long, Knox S.; Blair, William P.; Williams, Rosa; Chu, You-Hua; Winkler, P. Frank; White, Richard L.; Rest, Armin; Li, Chuan-Jui; Valdes,	The Dark Energy Camera Magellanic Clouds Emission-line Survey	ASTROPHYSICAL JOURNAL	974	1		2024	10
洪昇廷	Chang, Ching-Wen; Hsu, Yu-Ning; Yang, Ya-Han; Chang, Shuo-Wen; Zhang, Jia-Wei; Chen, Quark Yungsung; Hung, Sheng-Ting; Cheng, Kuang-Hung; Hsieh, Shuchen; Wang, Hay-Yan; Sun, Ying; Kuo, Kung-Kai; Tu, Li-	A Fast CA 19-9 Screening for Pancreatic Cancer Clinical Trials Utilizing AlGaIn/GaN High Electron Mobility Transistors	IEEE SENSORS JOURNAL	24	20	31754-31762	2024	10

杜立偉	Chang, Ching-Wen; Hsu, Yu-Ning; Yang, Ya-Han; Chang, Shuo-Wen; Zhang, Jia-Wei; Chen, Quark Yungsung; Hung, Sheng-Ting; Cheng, Kuang-Hung; Hsieh, Shuchen; Wang, Hay-Yan; Sun, Ying; Kuo, Kung-Kai; Tu, Li-	A Fast CA 19-9 Screening for Pancreatic Cancer Clinical Trials Utilizing AlGaIn/GaN High Electron Mobility Transistors	IEEE SENSORS JOURNAL	24	20	31754- 31762	2024	10
呂浩宇	Shen, Xianjin; Liu, Hong-Li; (略); Liu, Hauyu Baobab; (略); Wang, Chen (共35 人)	JCMT 850 μ m Continuum Observations of Density Structures in the G35 Molecular Complex	ASTROPHYS ICAL JOURNAL	974	2	id.239, 20 pages	2024	10
呂浩宇	Doi, Kiyoaki; Kataoka, Akimasa; Liu, Hauyu Baobab; Yoshida, Tomohiro C.; Benisty, Myriam; Dong, Ruobing; Yamato, Yoshihide; Hashimoto, Jun	Asymmetric Dust Accumulation of the PDS 70 Disk Revealed by ALMA Band 3 Observations	ASTROPHYS ICAL JOURNAL LETTERS	974	2	id.L25, 13 pages	2024	10
黃信銘	Verma, Rahul; Huang, Shin-Ming; Singh, Bahadur	Atomically thin obstructed atomic insulators with robust edge modes and quantized spin Hall effect	PHYSICAL REVIEW B	110	16	109235	2024	10

杜立偉	Mai, The-Hung; Do, Huy-Binh; Pham, Long Duy; Phan, Thien Xuan; Chen, Wei-Zhi; Lan, Liang-Wei; Lin, Hung-Ju; Nguyen, Van-Hung; Dong, Chung-Li; Kumar, Alagarsamy S. K.; El-Mahdy, Ahmed F. M.; Lee, Hyeonseok; Dang, Dinh Khoi; Vo, Dai-Viet N.; Tu, Li-Wei; Kuo, Chien-Cheng; Yang, Hung-Duen; Pham, Phuong, V	Efficient photoanode with a MoS2/TiO2/Au nanoparticle heterostructure for ultraviolet-visible photoelectrocatalysis	NANOTECHNOLOGY	35	38		2024	9
呂浩宇	Liu, Hanyu Baobab; Casassus, Simon; Dong, Ruobing; Doi, Kiyoaki; Hashimoto, Jun; Muto, Takayuki	First JVLA Radio Observation on PDS 70	ASTROPHYSICAL JOURNAL	972	2	id.163, 9 pages	2024	9
狄米契	Giatahanas, D.; Kehagias, A.; Riotto, A.	Quasinormal modes and universality of the Penrose limit of black hole photon rings	JOURNAL OF HIGH ENERGY PHYSICS		9	168	2024	9
莊豐權	Lee, Yang-Hao; Macam, Gennevieve M.; Villaos, Rovi Angelo B.; Feng, Liang-Ying; Hsu, Chia-Hsiu; Huang, Zhi-Quan; Wang, Deng-Chi; Lin, Hsin; Chuang, Feng-Chuan	Effect of MA Orientation and Thickness on the Bandgap in Quasi-2D Perovskites (PEA)2(MA)n-1Pb n I3n+1	JOURNAL OF PHYSICAL CHEMISTRY C	128	40	17091-17097	2024	9
張鼎張	Yen, Po-Yu; Zhou, Kuan-Ju; Sun, Pei-Jun; Chen, Yu-An; Chien, Ya-Ting; Huang, Bo-Shen; Lee, Po-Yi; Juan, Tzu-Hsuan; You Shao, Kui; Shan Lin, Yu; Sze, Simon M.; Chang, Ting-Chang	Analysis of Channel-Length Dependence of Residual Hydrogen Diffusion From the Gate Insulator During Oxygen Annealing Treatment in IGZO TFTs	IEEE ELECTRON DEVICE LETTERS	45	9	1586-1589	2024	9

關郁倫	Zhao, Kun; Gao, Zongqiang; Zhang, Jiabei; Zhou, Jiahao; Zhan, Faqi; Qiang, Li; Liu, Ming-Jin; Cyu, Ruei-Hong; Chueh, Yu-Lun	Design of strong-performance, high-heat dissipation rate, and long-lifetime triboelectric nanogenerator based on robust hexagonal boron nitride (hBN) nanosheets/polyvinyl chloride (PVC) composite films for rotational energy harvesting	JOURNAL OF POWER SOURCES	614			2024	9
郭建成	Mai, The-Hung; Do, Huy-Binh; Pham, Long Duy; Phan, Thien Xuan; Chen, Wei-Zhi; Lan, Liang-Wei; Lin, Hung-Ju; Nguyen, Van-Hung; Dong, Chung-Li; Kumar, Alagarsamy S. K.; El-Mahdy, Ahmed F. M.; Lee, Hyeonseok; Dang, Dinh Khoi; Vo, Dai-Viet N.; Tu, Li-Wei; Kuo, Chien-Cheng; Yang, Hung-Duen; Pham, Phuong, V	Efficient photoanode with a MoS2/TiO2/Au nanoparticle heterostructure for ultraviolet-visible photoelectrocatalysis	NANOTECHNOLOGY	35	38		2024	9
楊弘敦	Mai, The-Hung; Do, Huy-Binh; Pham, Long Duy; Phan, Thien Xuan; Chen, Wei-Zhi; Lan, Liang-Wei; Lin, Hung-Ju; Nguyen, Van-Hung; Dong, Chung-Li; Kumar, Alagarsamy S. K.; El-Mahdy, Ahmed F. M.; Lee, Hyeonseok; Dang, Dinh Khoi; Vo, Dai-Viet N.; Tu, Li-Wei; Kuo, Chien-Cheng; Yang, Hung-Duen; Pham, Phuong, V	Efficient photoanode with a MoS2/TiO2/Au nanoparticle heterostructure for ultraviolet-visible photoelectrocatalysis	NANOTECHNOLOGY	35	38		2024	9

郭政育	Raymond, Alexander W.; Doeleman, Sheperd S.;(略);Kuo, Cheng-Yu;(略) ; Zhao, Shan-Shan (共278人)	First Very Long Baseline Interferometry Detections at 870 μ m	ASTRONOMICAL JOURNAL	168	3	id.130: 1-19	2024	9
林德鴻	De-Hone Lin, and Dah-Wei Chiou	On the path of spin-1/2 Berry phase	Results in Physics	64		107907	2024	9
范越芳	Mai, The-Hung; Do, Huy-Binh; Pham, Long Duy; Phan, Thien Xuan; Chen, Wei-Zhi; Lan, Liang-Wei; Lin, Hung-Ju; Nguyen, Van-Hung; Dong, Chung-Li; Kumar, Alagarsamy S. K.; El-Mahdy, Ahmed F. M.; Lee, Hyeonseok; Dang, Dinh Khoi; Vo, Dai-Viet N.; Tu, Li-Wei; Kuo, Chien-Cheng; Yang, Hung-Duen; Pham, Phuong, V	Efficient photoanode with a MoS2/TiO2/Au nanoparticle heterostructure for ultraviolet-visible photoelectrocatalysis	NANOTECHNOLOGY	35	38		2024	9
吳紘丞	Kakarla, D. Chandrasekhar; Ku, Yuan-Han; Wu, H. C.; Chen, C. C.; Hsu, M. Y.; Hu, T. R.; Lin, J. -Y.; Puri, Nidhi; Hsieh, M. -J.; Wang, C. W.; Li, W. -H.; Dhanasekhar, C.; Tiwari, A.; Lu, C. H.; You, K. J.; Kuo, T. W.; Fan, K. J.; Chang, Y. C.; Yang, H. D.	Exploring new members of magnetoelectric materials in CuO-CuCl2-SeO2 system	MATERIALS TODAY PHYSICS	46		101527-1-101527-11	2024	8

呂浩宇	Maureira, M. J.; Pineda, J. E.; Liu, H. B.; Testi, L.; Segura-Cox, D.; Chandler, C.; Johnstone, D.; Caselli, P.; Sabatini, G.; Aikawa, Y.; Bianchi, E.; Codella, C.; Cuello, N.; Fedele, D.; Friesen, R.; Loinard, L.; Podio, L.; Ceccarelli, C.; Sakai, N.; Yamamoto, S.	FAUST: XVIII. Evidence of annular substructure in a very young Class 0 disk	ASTRONOMY & ASTROPHYSICS	689		id.L5, 11 pages	2024	8
呂浩宇	Chung, Chia-Ying; Andrews, Sean M.; Gurwell, Mark A.; Wright, Melvyn; Long, Feng; Xu, Wenrui; Liu, Hauyu Baobab	SMA 200-400 GHz Survey for Dust Properties in the Icy Class II Disks in the Taurus Molecular Cloud	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	273	2	id.29, 40 pages	2024	8
范越芳	Iram, Nazia; Khan, Salman Naeem; Ahmed, Muqarrab; Mir, Amna; Anwar, Nadia; Naeem, Muhammad; Nguyen, Van-Huy; Pham, Phuong, V	Synthesis and characterizations of silver nanoparticles-based conductive ink for high-frequency electronics	PHYSICA SCRIPTA	99	8		2024	8
孫士傑	Sun, Shih-Jye; Mensik, Miroslav; Toman, Petr	Analyzing trade-off issues in synthesis of magnetic polymer compounds through theoretical investigation	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	603			2024	8
錢德勒	Chandana, B. D. Sri; Narayanan, Ambili; Saranya, K.; Kakarla, D. Chandrasekhar; Tiwari, A.; Shanmugavelu, B.; Peramaiyan, G.; Shekar, G. Chandra; Choi, Kwang-Yong; Muthuselvam, I. Panneer	Magnetic order induced by magnetic impurities in the Haldane chain compound SrNi ₂ V ₂ O ₈	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	603		172219	2024	8

錢德勒	Chang, Y. H.; Pal, Arkadeb; Yen, P. T. W.; Wang, C. W.; Giri, S.; Blake, G. R.; Gainza, Javier; Hsieh, M. -J; Lin, J. -Y; Huang, C. Y.; Chen, Y. J.; Kuo, T. W.; Tiwari, Ajay; Kakarla, D. Chandrasekhar; Yang, H. D.	Field-induced transformation of complex spin ordering and magnetodielectric and magnetoelastic coupling in MnGeTeO6	PHYSICAL REVIEW B	110	6		2024	8
錢德勒	Kakarla, D. Chandrasekhar; Ku, Yuan-Han; Wu, H. C.; Chen, C. C.; Hsu, M. Y.; Hu, T. R.; Lin, J. -Y.; Puri, Nidhi; Hsieh, M. -J.; Wang, C. W.; Li, W. -H.; Dhanasekhar, C.; Tiwari, A.; Lu, C. H.; You, K. J.; Kuo, T. W.; Fan, K. J.; Chang, Y. C.; Yang, H. D.	Exploring new members of magnetoelectric materials in CuO-CuCl2-SeO2 system	MATERIALS TODAY PHYSICS	46		101527-1-101527-11	2024	8
楊弘敦	Chang, Y. H.; Pal, Arkadeb; Yen, P. T. W.; Wang, C. W.; Giri, S.; Blake, G. R.; Gainza, Javier; Hsieh, M. -J; Lin, J. -Y; Huang, C. Y.; Chen, Y. J.; Kuo, T. W.; Tiwari, Ajay; Kakarla, D. Chandrasekhar; Yang, H. D.	Field-induced transformation of complex spin ordering and magnetodielectric and magnetoelastic coupling in MnGeTeO6	PHYSICAL REVIEW B	110	6		2024	8

楊弘敦	Kakarla, D. Chandrasekhar; Ku, Yuan-Han; Wu, H. C.; Chen, C. C.; Hsu, M. Y.; Hu, T. R.; Lin, J. -Y.; Puri, Nidhi; Hsieh, M. -J.; Wang, C. W.; Li, W. -H.; Dhanasekhar, C.; Tiwari, A.; Lu, C. H.; You, K. J.; Kuo, T. W.; Fan, K. J.; Chang, Y. C.; Yang, H. D.	Exploring new members of magnetoelectric materials in CuO- CuCl2-SeO2 system	MATERIALS TODAY PHYSICS	46		101527- 1- 101527- 11	2024	8
關郁倫	Kao, Man-Yun; Hsu, Che-Hao; Huang, Yu-Qi; Hsu, Yu- Chieh; Liu, Ming- Jin; Chen, Chieh- Ting; Lai, Po-Chien; Lu, Ming-Yen; Wu, Pin-Jiun; Chueh, Yu-	Effects of Extreme Ultraviolet Radiation on Transition Metal Dichalcogenides: Investigation of Physical and Electrical Properties	ACS APPLIED ELECTRONI C MATERIALS	6	8	5640- 5650	2024	8
鄭橙懋	Lan, Ye-Shun; Chen, Chia-Ju; Kuo, Shu- Hua; Lin, Yen-Hui; Huang, Angus; Huang, Jing-Yue; Hsu, Pin-Jui; Cheng, Cheng-Maw; Jeng, Horng-Tay	Dual Dirac Nodal Line in Nearly Freestanding Electronic Structure of β -Sn Monolayer	ACS NANO	18	32	20990- 20998	2024	8
呂浩宇	Nony, T.; Galvan- Madrid, R.; Brouillet, N.; Suarez, G.; Louvvet, F.; De Pree, C. G.; Juarez-Gama, M.; Ginsburg, A.; Immer, K.; Lin, Y.; Liu, H. B.; Roman- Zuniga, C. G.; Zhang, Q.	Core to ultracompact HII region evolution in the W49A massive protocluster	ASTRONOM Y & ASTROPHYS ICS	687		id.A84, 14 pages	2024	7
狄米契	Afrasiar, Mir; Basak, Jaydeep Kumar; Giataganas, Dimitrios	Timelike entanglement entropy and phase transitions in non- conformal theories	JOURNAL OF HIGH ENERGY PHYSICS		7	243	2024	7

朱有花	Ou, Po-Sheng; Chao, Rui-Ching; Chu, You-Hua; Hsu, Chin-Yi; Li, Chuan-Jui	Stellar Population near NGC 2021: Procession of Star Formation in the South Rim of Supergiant Shell LMC 4	ASTRONOMICAL JOURNAL	168	1		2024	7
郭政育	Kuo, C. Y.; Gao, F.; Braatz, J. A.; Pesce, D. W.; Humphreys, E. M. L.; Reid, M. J.; Impellizzeri, C. M., V.; Henkel, C.; Wagner, J.; Wu, C. E.	What determines the boundaries of H ₂ O maser emission in an X-ray illuminated gas disc?	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	532	3	3020-3035	2024	7
范越芳	Lims, S. Cathrin; Jose, M.; Aswathappa, Sivakumar; Dhas, S. Sahaya Jude; Kumar, Raju Suresh; Pham, Phuong V.	Co-precipitation synthesis of highly pure and Mg-doped CdO nanoparticles: from rod to sphere shapes	RSC ADVANCES	14	31	22690-22700	2024	7
孫士傑	Lin, Re-Ching; Zhang, Dapeng; Huang, Wei-Sheng; Chen, Zheng-You; Sun, Shih-Jye	Effect of phase correction produced by trimming layer on thin-film bulk acoustic resonator	JOURNAL OF APPLIED PHYSICS	136	3		2024	7
莊豐權	Sreeparvathy, P. C.; Villaos, Rovi Angelo B.; Huang, Zhi-Quan; Chuang, Feng-	Higher-order topological Dirac phase in Y ₃ InC: a first-principles study	NEW JOURNAL OF PHYSICS	26	7	73007	2024	7
范越芳	Devi, N. Gayathri; Mai, The-Hung; Gupta, Ram K.; Pham, Phuong V.	Art etching of graphene	NANOSCALE HORIZONS	9	8	1230-1249	2024	7
闕郁倫	Liu, Ming-Jin; Chen, Hsuan-Chu; Yang, Tse-Ning; Wu, Shu-Chi; Kuo, Yao-Jen; Cyu, Ruei-Hong; Peng, Yu-Ren; Chueh, Yu-Lun	Rational design of comb-like 1D-1D ZnO-ZnSe heterostructures toward their excellent performance in flexible photodetectors	NANOSCALE	16	23	11203-11210	2024	6

關郁倫	Rehman, Bushra; Kimbulapitiya, K. M. M. D. K.; Date, Manisha; Chen, Chieh-Ting; Cyu, Ruei-Hong; Peng, Yu-Ren; Chaudhary, Mayur; Chuang, Feng-Chuan; Chueh, Yu-Lun	Rational Design of Phase-Engineered WS ₂ /WSe ₂ Heterostructures by Low-Temperature Plasma-Assisted Sulfurization and Selenization toward Enhanced HER Performance	ACS APPLIED MATERIALS & INTERFACES	16	25	32490-32502	2024	6
郭建成	Lee, Yung-Ting; Chen, Po-Tuan; Li, Zheng-Hong; Wu, Jyun-Yu; Kuo, Chia-Nung; Lue, Chin Shan; Wu, Chien-Te; Kuo, Chien-Cheng; Chiang, Cheng-Tien; Ozaki, Taisuke; Lin, Chun-Liang; Lee, Chi-Cheng; Hsueh, Hung-Chung; Chung, Ming-Chiang	Revealing the Charge Density Wave Caused by Peierls Instability in Two-Dimensional NbSe ₂	ACS MATERIALS LETTERS	6	7	2941-2947	2024	6
莊豐權	D'Souza, Joel; Verzola, Ina Marie R.; Sreeparvathy, P. C.; Villaos, Rovi Angelo B.; Huang, Zhi-Quan; Chuang, Feng-Chuan	Quantum spin Hall insulating phase in two-dimensional MA ₂ Z ₄ materials: SrTi ₂ Te ₄ and BaTi ₂ Te ₄	APPLIED PHYSICS LETTERS	124	23	23310	2024	6
張鼎張	Kuo, Chuan-Wei; Tsai, Tsung-Ming; Chang, Ting-Chang; Tu, Hong-Yi; Tsai, Yu-Hsiang; Chen, Jian-Jie; Huang, I-Yu	The Characteristics and Reliability With Channel Length Dependent on the Deposited Sequence of SiO ₂ and Si ₃ N ₄ as PV in LTPS TFTs	IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY	24	2	268-274	2024	6

吕浩宇	Liu, Junhao; Zhang, Qizhou; Lin, Yuxin; Qiu, Keping; Koch, Patrick M.; Liu, Hauyu Baobab; Li, Zhi-Yun; Girart, Josep Miquel; Pillai, Thushara G. S.; Li, Shanghuo; Chen, Huei-Ru Vivien; Ching, Tao-Chung; Ho, Paul T. P.; Lai, Shih-Ping; Rao, Ramprasad; Tang, Ya-Wen; Wang, Ke	Dark Dragon Breaks Magnetic Chain: Dynamical Substructures of IRDC G28.34 Form in Supported Environments	ASTROPHYSICAL JOURNAL	966	1	id.120, 27 pages	2024	5
吕浩宇	Lin, Y.; Wyrowski, F.; Liu, H. B.; Gong, Y.; Sipilae, O.; Izquierdo, A.; Csengeri, T.; Ginsburg, A.; Li, G. X.; Spezzano, S.; Pineda, J. E.; Leurini, S.; Caselli, P.; Menten, K. M.	Massive clumps in W43-main: Structure formation in an extensively shocked molecular cloud	ASTRONOMY & ASTROPHYSICS	685		id.A101, 34 pages	2024	5
吕浩宇	Cheng, Yu; Lu, Xing; Sanhueza, Patricio; Liu, Hauyu Baobab; Zhang, Qizhou; Galvan-Madrid, Roberto; Wang, Ke; Nakamura, Fumitaka; Liu, Tie; Feng, Siyi; Li, Shanghuo; Jiao, Sihan; Tanaka, Kei E. I.; Liu, Xunchuan; Li, Pak Shing; Luo, Qiuyi; Gu, Qilao; Lin, Yuxin; Guzman,	Investigations of Massive Filaments and Star Formation (INFANT). I. Core Identification and Core Mass Function	ASTROPHYSICAL JOURNAL	967	1	id.56, 22 pages	2024	5
狄米契	Basak, Jaydeep Kumar; Chakraborty, Adrita; Chu, Chong-Sun; Giataganas, Dimitrios; Parihar, Himanshu	Massless Lifshitz field theory for arbitrary z	JOURNAL OF HIGH ENERGY PHYSICS		5	109235	2024	5

范越芳	Pham, Phuong V.; Mai, The-Hung; Do, Huy-Binh; Vasundhara, M.; Nguyen, Van-Huy; Nguyen, Trieu; Bui, Hao Van; Dao, Van- Duong; Gupta, Ram K.; Ponnusamy, Vinoth Kumar; Park, Jin-Hong	Layer-by-layer thinning of two- dimensional materials	CHEMICAL SOCIETY REVIEWS	53	10	5190- 5226	2024	5
范越芳	Nhan, Doan Huu; Cong, Huynh Ngoc; Nha, Nguyen Ngoc Thanh; Hai, Le Phuoc; Toan, Nguyen Trong; Cuong, Hoang Luong; Kim, Sok Won; Pham, Phuong V.; Lu, Le T.; Hieu, Le Van; Le, Top	Annealing-induced oxidation state transition, crystal formation, optical properties, and photocatalytic activity of vanadium oxide nanoparticles	JOURNAL OF NANOPARTI CLE RESEARCH	26	5		2024	5
黃旭明	Shiu-Ming Huang, Fu-En Cheng, Pin- Cing Wang, Kuan- Ting Liu, and Mitch Chou	The structure induced magnetic susceptibility peak to dip transition in the MoSe _{2-x} Tex	Results in Physics	61		107786	2024	5
孫士傑	Zhang, Dapeng; Chen, Zheng-You; Re-Ching, Lin; Sun, Shih-Jye	Reliable formulas for accurately determining the resonance and antiresonance frequencies of thin film bulk acoustic resonators	PHYSICA SCRIPTA	99	5		2024	5
孫士傑	Sun, Shih-Jye; Mensik, Miroslav; Toman, Petr	Spin-polarized currents induced in antiferromagnetic polymer multilayered field- effect transistors	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	26	17	13261- 13270	2024	5

錢德勒	Athira, P.; Tiwari, Ajay; Hsieh, M. -j.; Lin, J. -y.; Puri, Nidhi; Wang, C. W.; Prashanth, C. H.; Dhanasekhar, C.; Huang, C. L.; Yang, H. D.; Jyothinagaram, Krishnamurthy; Kakarla, Chandrasekhar	Hidden magnetism, nonlinear magnetodielectric coupling, and large multicaloric effect in multiferroic L-type Fe ₂ (MoO ₄) ₃	PHYSICAL REVIEW APPLIED	21	5	109235	2024	5
鍾佳民	Xu, Hao; Chung, Chia-Min; Qin, Mingpu; Schollwoeck, Ulrich; White, Steven R.; Zhang, Shiwei	Coexistence of superconductivity with partially filled stripes in the Hubbard model	SCIENCE	384	6696		2024	5
楊弘敦	Athira, P.; Tiwari, Ajay; Hsieh, M. -j.; Lin, J. -y.; Puri, Nidhi; Wang, C. W.; Prashanth, C. H.; Dhanasekhar, C.; Huang, C. L.; Yang, H. D.; Jyothinagaram, Krishnamurthy; Kakarla, Chandrasekhar	Hidden magnetism, nonlinear magnetodielectric coupling, and large multicaloric effect in multiferroic L-type Fe ₂ (MoO ₄) ₃	PHYSICAL REVIEW APPLIED	21	5	109235	2024	5
范越芳	Pham, Phuong V.; Mai, The-Hung; Dash, Saroj P.; Biju, Vasudevanpillai; Chueh, Yu-Lun; Jariwala, Deep; Tung, Vincent	Transfer of 2D Films: From Imperfection to Perfection	ACS NANO	18	23	14841-14876	2024	5

吳紘丞	Wei, Pai-Chun; Hsing, Cheng-Rong; Yang, Chun-Chuen; Tung, Yung-Hsiang; Wu, Hsin-Jay; Yen, Wan-Ting; Lai, Yen- Chung; Lee, Jey-Jau; Wang, Chin-Wei; Wu, Hung-Cheng; Yang, Hung-Duen; Singaravelu, Venkatesh; Miao, Xiaohe; Giugni, Andrea; Hu, Jia-Kai; Fu, Jui-Han; Tung, Vincent; He, Jian; Wei, Ching-Ming; He, Jr-Hau	Liquid-like thermal conductivity in solid materials: Dynamic behavior of silver ions in argyrodites	NANO ENERGY	122		109324- 1- 109324- 11	2024	4
鄭橙懋	Su, Shu Hsuan.; Huang, Tzu Tai; Pan, Bi-Rong; Lee, Jung- Chuan; Qiu, Yi Jie; Chuang, Pei-Yu; Gultom, Pangihutan; Cheng, Cheng-Maw; Chen, Yi-Chun; Huang, Jung-Chung Andrew	Large Tunable Spin- to-Charge Conversion in Ni ₈₀ Fe ₂₀ /Molybden- um Disulfide by Cu Insertion	ACS APPLIED MATERIALS & INTERFACES	16	18	24122- 24131	2024	4
周雄	Dwivedi, G. D.; Kumawat, S. M.; Chin, Y. Y.; Lynn, J. W.; Chou, H.	Role of p-d hybridization in structural transition and magnetic properties of Co- substituted Mn ₃ O ₄ : X-ray absorption spectroscopy study	JOURNAL OF ALLOYS AND COMPOUND S	981		173651	2024	4
范越芳	Srivastava, Rishabh; Chaudhary, Himanshu; Kumar, Anuj; de Souza, Felipe M.; Mishra, Sanjay R.; Perez, Felio; Pham, Phuong V.; Gupta, Ram K.	Robust amorphous iron (II) diphosphate on nickel foam: Aggrandizing electronic structure for efficient catalytic activity towards oxygen evolution and urea	INTERNATIO NAL JOURNAL OF HYDROGEN ENERGY	62		451-461	2024	4

孫士傑	Sun, Shih-Jye; Mensik, Miroslav; Toman, Petr	Ferromagnetic polymers arising from magnetic and Coulombic interactions	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	596			2024	4
錢德勒	Prashanth, C. H.; Kakarla, D. Chandrasekhar; Tiwari, Ajay; Joshi, Aprajita; Saha, Surajit; Yang, H. D.; Jyothinagaram, Krishnamurthy	Spin-phonon coupling driven magnetodielectric effect in low- dimensional complex magnetic BaGdFeO4 system	PHYSICA E- LOW- DIMENSION AL SYSTEMS & NANOSTRUC TURES	158		115882	2024	4
楊弘敦	Prashanth, C. H.; Kakarla, D. Chandrasekhar; Tiwari, Ajay; Joshi, Aprajita; Saha, Surajit; Yang, H. D.; Jyothinagaram, Krishnamurthy	Spin-phonon coupling driven magnetodielectric effect in low- dimensional complex magnetic BaGdFeO4 system	PHYSICA E- LOW- DIMENSION AL SYSTEMS & NANOSTRUC TURES	158		115882	2024	4
楊弘敦	Wei, Pai-Chun; Hsing, Cheng-Rong; Yang, Chun-Chuen; Tung, Yung-Hsiang; Wu, Hsin-Jay; Yen, Wan-Ting; Lai, Yen- Chung; Lee, Jey-Jau; Wang, Chin-Wei; Wu, Hung-Cheng; Yang, Hung-Duen; Singaravelu, Venkatesh; Miao, Xiaohe; Giugni, Andrea; Hu, Jia-Kai; Fu, Jui-Han; Tung, Vincent; He, Jian; Wei, Ching-Ming; He, Jr-Hau	Liquid-like thermal conductivity in solid materials: Dynamic behavior of silver ions in argyrodites	NANO ENERGY	122		109324- 1- 109324- 11	2024	4

關郁倫	Liu, Ming-Jin; Lan, Wei-Jie; Huang, Cai-Syuan; Chen, Chang-Zhi; Cyu, Ruei-Hong; Sino, Paul Albert L.; Yang, Yu-Lun; Chiu, Po-Wen; Chuang, Feng-Chuan; Shen, Chang-Hong; Chen, Jyun-Hong; Chueh, Yu-	High-Performance Monolithic 3D Integrated Complementary Inverters Based on Monolayer n-MoS2 and p-WSe2	SMALL	20	17	2307728	2024	4
關郁倫	Kimbulapitiya, K. M. M. D. K.; Rehman, Bushra; Wani, Sumayah Shakil; Chen, Chieh-Ting; Cyu, Ruei-Hong; Manikandan, Arumugam; Date, Manisha Kondiba; Peng, Yu-Ren; Kumara, R. J. G. L. R.; Chuang, Feng-Chuan; Chueh, Yu-Lun	Phase-engineered heterostructures of Mo2C by plasma-assisted selenization and sulfurization processes toward excellent hydrogen evolution reaction	NANO ENERGY	122		109235	2024	4
關郁倫	Hsu, Che-Hao; Liao, Hung-Yu; Wang, Kuangye; Kuo, Tzu-Wen; Liu, Che-Chuan; Shih, Jiaw-Ren; Lin, Chrong-Jung; Chen, Chieh-Ting; Peng, Yu-Ren; Yang, Tzu-Yi; Kao, Man-Yun; Huang, Hai-Feng; Shen, Hsin-Yi; King, Ya-Chin; Chueh, Yu-	Design of Wireless Multiple Gases Complementary Architecture Sensors Based on SnSe2 and PtSe2 Layered Films and Oscillating Circuits	ADVANCED MATERIALS TECHNOLOGIES	9	8		2024	4

關郁倫	Wani, Sumayah-Shakil; Hsu, Chen Chieh; Kuo, Yao-Zen; Kimbulapitiya, Kimbulapitiya Mudiyansele Madhusanka Darshana Kumara; Chung, Chia-Chen; Cyu, Ruei-Hong; Chen, Chieh-Ting; Liu, Ming-Jin; Chaudhary, Mayur; Chiu, Po-Wen; Zhong, Yuan-Liang; Chueh, Yu-Lun	Enhanced Electrical Transport Properties of Molybdenum Disulfide Field-Effect Transistors by Using Alkali Metal Fluorides as Dielectric Capping Layers	ACS NANO	18	16	10776-10787	2024	4
陳柏勳	Chen, Po-Hsun; Lin, Chun-Chu; Chen, Min-Chen; Sun, Li-Chuan; Wu, Chung-Wei; Chou, Sheng-Yao; Tsai, Tsung-Ming; Chang, Ting-Chang	Utilizing sulfuration of supercritical fluid treatment to improve sensitivity and humidity resistance of chip-type gas sensors	SENSORS AND ACTUATORS B-CHEMICAL	404		135273	2024	4
張鼎張	Lee, Ya-Huan; Chang, Kai-Chun; Lin, Hsin-Ni; Tai, Mao-Chou; Huang, Wei-Chen; Lin, Jia-Hong; Kuo, Hung-Ming; Lee, Jason; Huang, I-Yu; Chang, Ting-Chang	Analysis of Abnormal C-V Hump on Si ₃ N ₄ MIS-HEMT With Mesa Isolation Under Negative Gate Bias Stress	IEEE TRANSACTIONS ON ELECTRON DEVICES	71	4	2349-2354	2024	4
張鼎張	Zhou, Kuan-Ju; Chang, Ting-Chang; Yen, Po-Yu; Chen, Yu-An; Chien, Ya-Ting; Huang, Bo-Shen; Lee, Po-Yi; Juan, Tzu-Hsuan; Sze, Simon M.; Fan, Yang-Shun; Huang, Chen-Shuo; Tsai, Chih-Hung	Enhancing Reliability of Short-Channel Dual Gate InGaZnO Thin Film Transistors by Bottom-Gate Oxide Engineering	IEEE ELECTRON DEVICE LETTERS	45	4	593-596	2024	4

張鼎張	Chen, Po-Hsun; Lin, Chun-Chu; Chen, Min-Chen; Sun, Li-Chuan; Wu, Chung-Wei; Chou, Sheng-Yao; Tsai, Tsung-Ming; Chang, Ting-Chang	Utilizing sulfuration of supercritical fluid treatment to improve sensitivity and humidity resistance of chip-type gas sensors	SENSORS AND ACTUATORS B-CHEMICAL	404		135273	2024	4
莊豐權	Liu, Ming-Jin; Lan, Wei-Jie; Huang, Cai-Syuan; Chen, Chang-Zhi; Cyu, Ruei-Hong; Sino, Paul Albert L.; Yang, Yu-Lun; Chiu, Po-Wen; Chuang, Feng-Chuan; Shen, Chang-Hong; Chen, Jyun-Hong; Chueh, Yu-	High-Performance Monolithic 3D Integrated Complementary Inverters Based on Monolayer n-MoS2 and p-WSe2	SMALL	20	17	2307728	2024	4
莊豐權	Kimbulapitiya, K. M. M. D. K.; Rehman, Bushra; Wani, Sumayah Shakil; Chen, Chieh-Ting; Cyu, Ruei-Hong; Manikandan, Arumugam; Date, Manisha Kondiba; Peng, Yu-Ren; Kumara, R. J. G. L. R.; Chuang, Feng-Chuan; Chueh, Yu-Lun	Phase-engineered heterostructures of Mo2C by plasma-assisted selenization and sulfurization processes toward excellent hydrogen evolution reaction	NANO ENERGY	122		109235	2024	4
莊豐權	Verzola, Ina Marie; Villaos, Rovi Angelo; Huang, Zhi-Quan; Hsu, Chia-Hsiu; Okada, Yoshinori; Lin, Hsin; Chuang, Feng-Chuan	Nontrivial Topology in Monolayer MA2Z4 (M = Ti, Zr, or Hf; A = Si or Ge; and Z = N, P, As, Sb, or Bi)	JOURNAL OF PHYSICAL CHEMISTRY C	128	16	6829-6835	2024	4
郭政育	Akiyama, Kazunori; Alberdi, Antxon; (略) Kuo, Cheng-Yu (略); Zhao, Shan-Shan (共285人)	First Sagittarius A* Event Horizon Telescope Results. VII. Polarization of the Ring	ASTROPHYSICAL JOURNAL LETTERS	964	2	id.L25, 1-32	2024	4

郭政育	Akiyama, Kazunori; Alberdi, Antxon; (略); Kuo, Cheng-Yu; (略); Najafi-Ziyazi, Mahdi (共286人)	First Sagittarius A* Event Horizon Telescope Results. VIII. Physical Interpretation of the Polarized Ring	ASTROPHYSICAL JOURNAL LETTERS	964	2	id.L26:1-37	2024	4
呂浩宇	Liu, Hanyu Baobab; Muto, Takayuki; Konishi, Mihoko; Chung, Chia-Ying; Hashimoto, Jun; Doi, Kiyoaki; Dong, Ruobing; Kudo, Tomoyuki; Hasegawa, Yasuhiro; Terada, Yuka; Kataoka, Akimasa	Forming localized dust concentrations in a dust ring: DM Tau case study The asymmetric 7 mm dust continuum of the DM Tau disk	ASTRONOMY & ASTROPHYSICS	685		id.A18, 16 pages	2024	4
周雄	Bohra, Murtaza; Arras, Remi; Singh, Vidyadhar; Singh, Nitesh; Annadi, Anil; Toulkeridou, Evropi; Grammatikopoulos, Panagiotis; Chou, Hsiung	Cationic disorder: Governing the spin-insulating properties of nanocrystalline ZnFe ₂ O ₄ thin films	MATERIALS TODAY COMMUNICATIONS	38		108333	2024	3
鍾佳民	Wauters, Matteo M.; Chung, Chia-Min; Maffi, Lorenzo; Burrello, Michele	Simulations of the dynamics of quantum impurity problems with matrix product	PHYSICAL REVIEW B	109	11		2024	3
張鼎張	Lee, Ya-Huan; Chang, Kai-Chun; Tai, Mao-Chou; Wang, Yu-Xuan; Lin, Hsin-Ni; Yeh, Yu-Hsuan; Kuo, Hung-Ming; Tsai, Xin-Ying; Lee, Jason; Huang, I-Yu; Chang, Ting-Chang; Sze, Simon	The Transition of Threshold Voltage Shift of Al ₂ O ₃ /SiN ₄ AlGaIn/GaN MIS-HEMTs Under Negative Gate Bias Stress From DC to AC	IEEE TRANSACTIONS ON ELECTRON DEVICES	71	3	1792-1797	2024	3

關郁倫	Nguyen, Huynh-Uyen-Phuong; Wani, Sumayah-Shakil; Cyu, Ruei-Hong; Rehman, Bushra; Chaudhary, Mayur; Yang, Tzu-Yi; Hsu, Yu-Chieh; Kimbulapitiya, K. M. M.; Kuo, Yao-Ren; Aksu, Kubra H.; Tran, Luc-Phuong-Nhu; Le, Van-Qui; Chu, Ying-Hao; Chiu, Po-Wen; Chueh, Yu-Lun	Figure-of-Merit in 2D Insulators Pertaining to the Thermokinetics of Hexagonal Boron Nitride via Atmospheric-Pressure Chemical Vapor Deposition (APCVD) on Cu: Origin and Scenario	CHEMISTRY OF MATERIALS	36	6	2721-2734	2024	3
關郁倫	Tang, Shin-Yi; Shih, Yu-Chuan; Shen, Ying-Chun; Cyu, Ruei-Hong; Chen, Chieh-Ting; Yang, Tzu-Yi; Chaudhary, Mayur; Peng, Yu-Ren; Kuo, Yao-Ren; Miao, Wen-Chien; Yu, Yi-Jen; Lee, Ling; Kuo, Hao-Chung; Chueh, Yu-Lun	Design of Mixed-Dimensional QDs/MoS ₂ /TiO ₂ Heterostructured Resistive Random-Access Memory with Interfacial Analog Switching Characteristics for Potential Neuromorphic Computing	ACS APPLIED ELECTRONIC MATERIALS	6	3	1581-1589	2024	3
陳易馨	Chang, Chih-chun; Chen, Yi-hsin; Chen, Guang-yin	Electromagnetically induced transparency and quantum enhancement of transmission via dressed bloch photons in an array of three-level Λ -type atoms	OPTICS EXPRESS	32	7	11307-11322	2024	3
呂浩宇	Hashimoto, Jun; Dong, Ruobing; Muto, Takayuki; Liu, Haoyu Baobab; Terada, Yuka	Shadowing in the Protoplanetary Disk of ZZ Tau IRS with HST	ASTRONOMICAL JOURNAL	167	2	id.75, 9 pages	2024	2

吕浩宇	Zamponi, Joaquin; Maureira, Maria Jose; Liu, Hauyu Baobab; Zhao, Bo; Segura-Cox, Dominique; Ko, Chia-Lin; Caselli,	Exploring the dust grain size and polarization mechanism in the hot and massive Class 0 disk IRAS 16293-2422 B	ASTRONOMY & ASTROPHYSICS	682		id.A56, 16 pages	2024	2
吕浩宇	Diaz-Marquez, Elena; Grau, Roger; Busquet, Gemma; Girart, Josep Miquel; Sanchez-Monge, Alvaro; Palau, Aina; Povich, Matthew S.; Anez-Lopez, Nacho; Liu, Hauyu Baobab; Zhang, Qizhou; Estalella, Robert	Radio survey of the stellar population in the infrared dark cloud G14.225-0.506	ASTRONOMY & ASTROPHYSICS	682		id.A180, 29 pages	2024	2
岩本祥	Asai, Kento; Iwamoto, Sho; Perelstein, Maxim; Sakaki, Yasuhito; Ueda, Daiki	Sub-GeV dark matter search at ILC beam dumps	JOURNAL OF HIGH ENERGY PHYSICS		2		2024	2
史丹哲夫	Ou, Huiliang; Stantchev, Rayko Ivanov; Chen, Xuequan; Blu, Thierry; Semtsiv, Mykhaylo; Masselink, William Ted; Serrano, Arturo Hernandez; Costa, Goncalo; Young, Jacob; Chopra, Nishtha; Lloyd-Hughes, James; MacPherson, Emma	Simultaneous measurement of orthogonal terahertz fields via an emission multiplexing scheme	OPTICS EXPRESS	32	4	5567-5581	2024	2
郭政育	Paraschos, G. F.; Kim, J-Y; (略); Kuo, C-Y; (略); Zhao, S-S (共283人)	Ordered magnetic fields around the 3C 84 central black hole	ASTRONOMY & ASTROPHYSICS	682		id.L3: 1-15	2024	2

范越芳	Sundaram, Ganeshraja Ayyakannu; Kumaravelu, Sowndarya; Tseng, Wei-Lung; Pham, Phuong V.; Kumar, Alagarsamy Santhana Krishna; Parimelazhagan, Vairavel	Fine-Tuned Graphene Oxide Nanocomposite: Harnessing Copper(II)-Imidazole Complex for Enhanced Biological Responses and Balanced Photocatalytic Functionality	MATERIALS	17	4	892	2024	2
陳柏勳	Chen, Po-Hsun; Lin, Chih-Yang; Yeh, Tsung-Han; Shou, Cheng-Yun	Cell Size Effects and Distinct Current Conduction Behaviors for Hafnium-Oxide-Based Selectors with Vanadium as Top Electrode	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	221	4	2300572	2024	2
張鼎張	Wu, Chung-Wei; Chen, Po-Hsun; Chang, Ting-Chang; Tan, Yung-Fang; Lin, Shih-Kai; Yeh, Yu-Hsuan; Zhang, Yong-Ci; Lin, Hsin-Ni; Chang, Kai-Chun; Yeh, Chien-Hung; Sze, Simon	Phase transformation on HZO ferroelectric layer in ferroelectric random-access memory induced by x-ray irradiation	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	39	2		2024	2
張鼎張	Yeh, Yu-Hsuan; Tan, Yung-Fang; Huang, Yen-Che; Lin, Chao Cheng; Wu, Chung-Wei; Zhang, Yong-Ci; Lee, Ya-Huan; Chang, Ting-Chang; Sze, Simon M.	Impact of deposition temperature on electrical properties of HZO-based FeRAM	JOURNAL OF APPLIED PHYSICS	135	6	64102	2024	2
朱家誼	Ju, Chia-Yi; Miranowicz, Adam; Chen, Yueh-Nan; Chen, Guang-Yin; Nori, Franco	Emergent parallel transport and curvature in Hermitian and non-Hermitian quantum mechanics	QUANTUM	8			2024	2

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周雄	Chou, Hsiung; Sun, S. J.; Yang, Kung-Shang; Dwivedi, G. D.; Chen, Chiu-Hao; Cheng, S. L.; Lin, J. G.; Chiou, J. W.; Chin, Y. Y.; Lin, H. J.; Grebennikov, V. I.	Controllable spin-triplet superconductivity states and enhanced non-dissipation spin-polarized supercurrents in YBa2Cu3O7/La0.67Sr0.33MnO3 interfaces	APPLIED SURFACE SCIENCE	644		158739	2024	1
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鄭橙懋	Krishnamoorthy, Vimal; Bangolla, Hemanth Kumar; Chen, Chi-Yang; Huang, Yu-Ting; Cheng, Cheng-Maw; Ulaganathan, Rajesh Kumar; Sankar, Raman; Lee, Kuei-Yi; Du, He-Yun; Chen, Li-Chyong; Chen, Kuei-Hsieh; Chen, Ruei-San	Efficient Hydrogen Evolution Reaction in 2H-MoS2 Basal Planes Enhanced by Surface Electron Accumulation	CATALYSTS	14	1		2024	1

魏德新	Chuang, Tzu-Hung; Hsu, Chuan-Che; Chiu, Wei-Sheng; Jhuang, Jyun-Syong; Yeh, I-Chun; Chen, Ruei-San; Gwo, Shanjr; Wei, Der- Hsin	Performance of a photoelectron momentum microscope in direct- and momentum-space imaging with ultraviolet photon sources	JOURNAL OF SYNCHROTRON RADIATION	31		195-201	2024	1
黃旭明	Shiu-Ming Huang, Wei-Chueh Cheng, Ping-Cing Wang, Fu- En Cheng and Chiu- Hsien Wu	Significant enhancement of NO2 detection response in MoTe2 with 1T'-2H structure mixture	ACS APPLIED NANO MATERIALS	7	1	306-312	2024	1
郭政育	Akiyama, Kazunori; Alberdi, Antxon; (略); Kuo, Cheng- Yu; (略); Yu, Chen- Yu (共309人)	The persistent shadow of the supermassive black hole of M 87 I. Observations, calibration, imaging, and analysis	ASTRONOMY & ASTROPHYSICS	681		id.A265: 1-27	2024	1
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