

黃智賢教授著作目錄(近 5 年)

出版年月	著作類別	著作名稱	作者	收錄出處
2016-10	期刊論文	Enhanced thermoelectric performance in a percolated bismuth sulfide composite	D. P. Wong, W. L. Chien, C. Y. Huang, C. E. Chang, A. Ganguly, L. M. Lyu, J. S. Hwang, L. C. Chen and K. H. Chen	Rsc Advances
2016-02	期刊論文	Beaded stream-like CoSe <sub>2</sub> nanoneedle array for efficient hydrogen evolution electrocatalysis	C. P. Lee, W. F. Chen, T. Billo, Y. G. Lin, F. Y. Fu, S. Samireddi, C. H. Lee, J. S. Hwang, K. H. Chen and L. C. Chen	Journal of Materials Chemistry A
2016-02	專書	大學物理實驗---追根究柢 二十個改變世界的物理實驗(下)	黃智賢	博揚儀器
2015-09	專書	大學物理實驗---追根究柢 二十個影響世界的物理實驗(上)	黃智賢	博揚儀器
2015-05	期刊論文	A nontoxic solvent based sol-gel Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film for high efficiency and scalable low-cost photovoltaic cells	V. Tunuguntla, W. C. Chen, P. H. Shih, I. Shown, Y. R. Lin, J. S. Hwang, C. H. Lee, L. C. Chen* and K. H. Chen*	Journal of Materials Chemistry A
2015-03	期刊論文	Edg epromoted ultrasensitive electrochemical detection of organic bio-molecules on epitaxial graphene nanowalls	Pradip Kumar Roy, Abhijit Ganguly, Wei-Hsun Yang, Chien-Ting Wu, Jih-Shang Hwang, Yian Tai, Kuei-Hsien Chen*, Li-Chyong Chen*, Surojit	Biosensrs and Bioelectronics

			Chattopadhyay*	
2015-03	期刊論文	Enhanced Thermoelectric Performance of GeTe-rich Germanium Antimony Tellurides Through the Control of Composition and Structure	Raman Sankar, Chiao-Song Chi, Deniz P. Wong, Wei-Lun Chien, Jih-Shang Hwang, Fang-Cheng Chou, Li-Chyong Chen*, Kuei-Hsien Chen*	CrystEngComm
2015-01	期刊論文	Making silicon solar cells in a green, lowhazardous, and inexpensive way	Jih-Shang Hwang*, Chien-Yi Wu, Ya-Hsien Tai, Peng Tseng, Surojit Chattopadhyay, Yen-Chieh Chiu, Shi-Wei Chen	RSC Advances
2014-07	期刊論文	Cobalt-Phosphate-Assisted Photoelectrochemical Water Oxidation by Arrays of Molybdenum-Doped Zinc Oxide Nanorods	Yan-Gu Lin*, Yu-Kuei Hsu, Ying-Chu Chen, Bing-Wei Lee, Jih-Shang Hwang, Li-Chyong Chen,* and Kuei-Hsien Chen	Chemosuschem
2014-06	期刊論文	搞定陀螺儀---從傳統到現代	黃智賢*	物理雙月刊
2014-04	期刊論文	Local Nanotip Arrays Sculptured by Atomic Force Microscope to Enhance the Light-Output Efficiency of GaN-based Light-emitting diode structures	Chun-Ying Huang, Yung-Chi Yao, Ya-Ju Lee*, Tai-Yuan Lin*, Wen-Jang Kao, Jih-Shang Hwang, Ying-Jay Yang	Nanotechnology
2013-05	期刊論文	Functionalized terfluorene for solution-processed high efficiency blue fluorescence OLED and	Chung-Feng Wang, Wen-Yi Hung*, Ming-Hung Cheng, Jih-Shang Hwang,	Organic Electronics

		electrophosphorescent devices	Man-kit Leung*, Ken-Tsung Wong*	
2013-03	其他	Ways of phasing out nuclear power (invited)	Jih Shang Hwang*	
2013-03	其他	理性漸進廢核可以走的路	黃智賢*	
2013-01	期刊論文	Growth of $\beta$ -Ga <sub>2</sub> O <sub>3</sub> and GaN nanowires on GaN for photoelectrochemical hydrogen generation	J. S. Hwang*, T. Y. Liu, S. Chattopadhyay, G. M. Hsu, A. M. Basilio, H. W. Chen, Y. K. Hsu, W. H. Tu, Y. G. Lin, K. H. Chen, C. C. Li, S. B. Wang, H. Y. Chen, and L. C. Chen	Nanotechnology
2013-01	期刊論文	Imaging layer number and stacking order through formulating Raman fingerprints obtained from hexagonal single crystals of few layer graphene	J. S. Hwang*, Y. H. Lin, J. Y. Hwang, R. L. Chang, S. Chattopadhyay, C. J. Chen, P. Chen, H. P. Chiang, T. R. Tsai, L. C. Chen, K. H. Chen	Nanotechnology
2011-10	期刊論文	Photocurrent mapping in high-efficiency radial p-n junction silicon nanowire solar cells using atomic force microscopy	Jih-Shang Hwang*, Ming-Chun Kao, Chian-Ming Hsu, Shien-Chau Ye, Chich-Ning Fan, Wen-Shen Yu, Hsiu-Mei Lin, Tai-Yuan Lin, Surojit Chattopadhyay, Li-Chyong Chen and Kuei-Hsien Chen	J. Phys. Chem. C
2011-07	期刊論文	太陽相關能源的機會與挑戰－從地震海嘯引發	黃智賢*	光學工程

		福島核電事故談起		
2011-04	期刊論文	Deep and alignment free patterned etching of GaN surface using an atomic force microscope	Jih-Shang Hwang*, Der-Chang Chen, Li-Wei Chen, Zhan-Shuo Hu, Zen-Yu You, Chih-Chiang Wu, Tai-Yuan Lin, Tsong-Ru Tsai and Surojit Chattopadhyay	J. Nanosci. and Nanotech.
2011-03	期刊論文	Au nanoparticle modified GaN photoelectrode for photoelectrochemical hydrogen generation	Wen-Hsun Tu, Yu-Kuei Hsu, Cheng-Hsiung Yen, Chih-I Wu, Jih-Shang Hwang, Li-Chyong Chen*, Kuei-Hsien Chen*	Electrochemistry Communications
2010-09	期刊論文	In-situ visualization of a super-accelerated synthesis of zinc oxide nanostructures through CO2 laser heating	Chia-Yao Lo*, Jih-Shang Hwang, Xiu-Mi Liu, Yung-Yi Zhang, Der-Chang Chen, Chih-Chiang Wu and Tai-Yuan Lin	J. Crystal. Growth
2010-04	期刊論文	Enhancement of the energy photoconversion efficiency through crystallographic etching of a c-plane GaN thin film	Antonio M. Basilio, Yu-Kuei Hsu, Wen-Hsun Tu, Cheng-Hsiung Yen, Geng-Ming Hsu, Oliver Chyan, Yieu Chyan, Jih-Shang Hwang, Yit-Tsong Chen, Li-Chyong Chen* and Kuei-Hsien Chen*	J. Mater. Chemistry
2010-01	期刊論文	The preparation of silver nanoparticle decorated silica nanowires on fused quartz as	J. S. Hwang*, K. Y. Chen, S. J. Hong, S. W. Chen, W. S. Syu, C. W.	Nanotechnology

		reusable versatile nanostructured surface-enhanced Raman scattering substrates	Kuo and W. Y. Syu, T. Y. Lin, H. P. Chiang, S. Chattopadhyay, K. H. Chen and L. C. Chen,	
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