

林泰源教授著作目錄

出版年月	著作類別	著作名稱	作者	收錄出處
2016-12	期刊論文	Conversion of biowaste Asian hard clam (<i>Meretrix lusoria</i>) shells into white-emitting phosphors for use in neutral white LED	Chang, Tsung-Yuan; Wang, Chih-Min; Lin, Tai-Yuan; Lin, Hsiu-Mei	Materials
2016-11	期刊論文	Characterization of Radial ZnO-Core/ZnS-Shell Nanowire Heterostructures ALD-Deposited at Atmospheric Pressure Using DEZn, N ₂ O and DTBS	Sheng-Wen Wen,Bo-Hao Huang, Jun-Jie Kang, Tai-Yuan Lin, Hsun-Feng Hsu, Ho-Ching Ni, Ching-Hsiang Hou, Hui Ting Lai, and Jyh-Rong Gong	ECS Journal of Solid State Science and Technology
2016-08	期刊論文	Self-powered and broadband photodetectors based on graphene/ZnO/silicon triple junctions	Ching-Cheng Cheng, Jun-Yu Zhan, Yu-Ming Liao, Tai-Yuan Lin, Ya-Ping Hsieh, and Yang-Fang Chen	Appl. Phys. Lett.
2016-07	期刊論文	High-Performance Light Emitting Memories: Multifunctional Devices for Unveiling Information by Optical and Electrical Detection	Liou, Yi-Rou; Haider, Golam; Cai, Shu-Yi; Wu, Chia-Lin; Lin, Tai-Yuan; Chen, Yang-Fang	Adv. Optical Mater.
2016-06	期刊論文	Porphyrin dimers as donors for solution-processed bulk heterojunction organic solar cells	Fang-Chi Hsu, Ming-Kuang Hsieh, Chiranjeevulu Kashi, Chen-Yu Yeh, Tai-Yuan Lin, and Yang-Fang Chen	RSC Adv.
2016-04	期刊論文	Photoassisted photoluminescence fine-tuning of gold nanodots through free radical-mediated ligand-assembly	Tseng, Yu-Ting; Cherng, Rochelle; Harroun, Scott G.; Yuan, Zhiqin; Lin, Tai-Yuan; Wu, Chien-Wei; Chang, Huan-Tsung; Huang, Chih-Ching	Nanoscale

2016-01	期刊 論文	Extraordinarily Sensitive and Low-Voltage Operational Cloth-Based Electronic Skin for Wearable Sensing and Multifunctional Integration Uses: A Tactile-Induced Insulating-to-Conducting Transition	Ying-Chih Lai, Bo-Wei Ye, Chun-Fu Lu, Chien-Tung Chen, Meng-Huan Jao, Wei-Fang Su, Wen-Yi Hung, Tai-Yuan Lin, and Yang-Fang Chen	Adv. Funct. Mater.
2015-07	期刊 論文	Multifunctionality of giant and long-lasting persistent photoconductivity: Semiconductor-conductor transition in graphene nanosheets and amorphous InGaZnO hybrid	Min-Kun Dai, Yi-Rou Liou, Jan-Tien Lian, Tai-Yuan Lin, and Yang-Fang Chen	ACS Photonics
2015-06	期刊 論文	Enhancement of Light Emission in GaAs Epilayers with Graphene Quantum Dots	T. N. Lin, K. H. Chih, M. C. Cheng, C. T. Yuan, C. L. Hsu, J. L. Shen, J. L. Hou, C. H. Wu, W. C. Chou and T. Y. Lin	RSC Adv.
2015-06	期刊 論文	Ultraviolet and visible random lasers assisted by diatom frustules	Yu-Chia Chen, Cih-Su Wang, Tsung-Yuan Chang, Tai-Yuan Lin, Hsiu-Mei Lin, and Yang-Fang Chen	Optics Express
2015-05	期刊 論文	Achieving graded refractive index by use of ZnO nanorods/TiO ₂ layer to enhance omnidirectional photovoltaic performances of InGaP/GaAs/Ge triple-junction solar cells	Meng-Tsan Tsai, Zu-Po Yang, Ting-Shiuan Jing, Hsin-Hwa Hsieh, Yung-Chi Yao, Tai-Yuan Lin, Yang-Fang Chen, and Ya-Ju Lee	Solar Energy Materials and Solar Cells
2015-05	期刊 論文	Electrically Driven Random Laser Memory	Cih-Su Wang, Chuan-Hsien Nieh, Tai-Yuan Lin, and Yang-Fang Chen	Advanced Functional Materials
2015-04	期刊 論文	Effects of a thermally stable chlorophyll extract from diatom	Chen, Chiang-Ting; Hsu, Fang-Chi; Huang,	RSC Adv.

		algae on surface textured Si solar cells	Jeng-Yeh; Chang, Chi-Yuan; Chang, Tsung-Yuan; Lin, Hsiu-Mei; Lin, Tai-Yuan; Chen, Yang Fang	
2015-04	期刊論文	Manipulation of polarization effect to engineer III-nitride HEMTs for normally-off operation	Yung-Chi Yao, Chun-Ying Huang, Tai-Yuan Lin, Li-Lien Cheng, Ching-Yun Liu, Mei-Tan Wang, Jung-Min Hwang, and Ya-Ju Lee	Microelectronic Engineering
2015-03	期刊論文	Biologically inspired band-edge laser action from semiconductor with dipole-forbidden band-gap transition	Cih-Su Wang, Chi-Shung Liao, Tzu-Ming Sun, Yu-Chia Chen, Tai-Yuan Lin, and Yang-Fang Chen	Sci. Rep.
2015-01	期刊論文	Fabrication of Resistive Random Access Memory by Atomic Force Microscope Local Anodic Oxidation	T. H. Tsai, Chia-Yun Hsu, Chia-Hsiang Hsu, Chu-Shou Yang, and Tai-Yuan Lin	Nano
2014-10	期刊論文	Biologically inspired flexible quasi-single-mode random laser: An integration of Pieris canidiabutterfly wing and semiconductors	Cih-Su Wang, Tsung-Yuan Chang, Tai-Yuan Lin, and Yang-Fang Chen	Sci. Rep.
2014-08	期刊論文	High Breakdown Voltage in AlGa _N /Ga _N HEMTs using AlGa _N /Ga _N /AlGa _N Quantum-Well Electron-Blocking-Layers	Ya-Ju Lee, Yung-Chi Yao, Chun-Ying Huang, Tai-Yuan Lin, Li-Lien Cheng, Ching-Yun Liu, Mei-Tan Wang and Jung-Min Hwang	Nanoscale Res. Lett.
2014-06	期刊論文	High-performance organic nano-floating-gate memory based on graphite nanocrystals as charge-trapping elements and	Min-Kun Dai, Tai-Yuan Lin, Min-Hua Yang, Chih-Kung Lee, Chih-Ching Huang and Yang-Fang	J. Mater. Chem. C

		high-k Ta2O5 as controlled gate dielectric	Chen*	
2014-05	期刊 論文	Slanted n-ZnO/p-GaN nanorod arrays light-emitting diodes grown by oblique-angle deposition	Ya-Ju Lee*, Zu-Po Yang, Fang-Yuh Lo, Jhih-Jhong Siao, Zhong-Han Xie, Yi-Lun Chuang, Tai-Yuan Lin*, and Jinn-Kong Sheu*	APL materials
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
2014-04	期刊 論文	Surface modification of ATO photocatalyst on its bactericidal effect against Escherichia coli	Hshiang-Ho Chiang, Shing-Hoa Wang, Hsin-Yiu Chou, Chih-Ching Huang, Tsung-Lun Tsai, Yi-Che Yang, Jyh-Wei Lee, Tai-Yuan Lin, Yeun-Jung Wu, and Chien-Chon Chen	J. Mar. Sci. Technol.
2014-03	期刊 論文	Photoluminescent AuCu bimetallic nanoclusters as pH sensors and catalysts	Po-Cheng Chen, Jia-Ying Ma, Li-Yi Chen, Guan-Lin Lin, Chung-Chien Shih, Tai-Yuan Lin and Huan-Tsung Chang	Nanoscale
2014-02	期刊 論文	Characteristics of GaN-based LEDs using Ga-doped or In-doped ZnO transparent conductive layers grown by atomic layer deposition	Kuo-Yi Yen, Chien-Hua Chiu, Chi-Ying Hsiao, Chun-Wei Li, Chien-Hua Chou, Ko-Ying Lo, Tzu-Pei Chen, Chu-Hsien Lin, Tai-Yuan Lin, Jyh-Rong Gong	J. Cryst. Growth
2014-02	期刊 論文	Direct formation of InN-codoped p-ZnO/n-GaN heterojunction diode	Chun-Ying Huang, Ya-Ju Lee*, Tai-Yuan Lin*,	Optics Letters

		by sol-gel spin-coating scheme	Shao-Lun Chang, Jan-Tian Lian, Hsiu-Mei Lin, Nie-Chuan Chen, and Ying-Jay Yang	
2014-02	期刊 論文	Stretchable organic memory: toward learnable and digitized stretchable electronic applications	Ying-Chih Lai, Yi-Chuan Huang, Tai-Yuan Lin, Yi-Xian Wang, Chun-Yu Chang, Yaoxuan Li, Tzu-Yao Lin, Bo-Wei Ye, Ya-Ping Hsieh, Wei-Fang Su, Ying-Jay Yang, and Yang-Fang Chen	NPG Asia Materials
2013-11	期刊 論文	Efficient Collection of Photogenerated Carriers by Inserting Double Tunnel Junctions in III-nitride p-i-n Solar Cells	Yung-Chi Yao, Meng-Tsan Tsai, Chun-Ying Huang, Tai-Yuan Lin*, Jinn-Kong Sheu*, and Ya-Ju Lee*	Applied Physics Letters
2013-10	期刊 論文	Low operation voltage macromolecular composite memory assisted by graphene nanoflakes	Ying-Chih Lai, Di-Yan Wang, I-Sheng Huang, Yu-Ting Chen, Yung-Hsuan Hsu, Tai-Yuan Lin, Hsin-Fei Meng, Ting-Chang Chang, Ying-Jay Yang, Chia-Chun Chen, Fang-Chi Hsu and Yang-Fang Chen	Journal of Materials Chemistry C
2013-10	期刊 論文	Rewritable, Moldable, and Flexible Sticker-Type Organic Memory on Arbitrary Substrates	Ying-Chih Lai, Yi-Xiang Wang, Yi-Chuan Huang, Tai-Yuan Lin, Ya-Ping Hsieh, Ying-Jay Yang, and Yang-Fang Chen	Advanced Functional Materials
2013-08	期刊 論文	Improved light extraction efficiency on GaN LEDs by an In ₂ O ₃ nano-cone film	Jan-Tian Lian, Jian-Huei Ye, Jian-Ye Liou, Kai-Chieh Tsao, Nai-Chuan Chen, and Tai-Yuan Lin*	Journal of Materials Chemistry C

2013-08	期刊 論文	Luminescence studies in In _x Ga _{1-x} N epitaxial layers with different indium contents	T. Y. Wu, C. C. Chang, K. K. Tiong, Y. C. Lee, S. Y. Hu, L. Y. Lin, T. Y. Lin, and Z. C. Feng	Opt. Mater.
2013-07	期刊 論文	High-performance transparent and flexible inorganic thin film transistors: a facile integration of graphene nanosheets and amorphous InGaZnO	Min-Kun Dai, Jan-Tien Lian, Tai-Yuan Lin* and Yang-Fang Chen*	Journal of Materials Chemistry C
2013-04	期刊 論文	Transferable and Flexible Label-Like Macromolecular Memory on Arbitrary Substrates with High Performance and a Facile Methodology	Ying-Chih Lai, Fang-Chi Hsu, Jian-Yu Chen, Jr-Hau He, Ting-Chang Chang, Ya-Ping Hsieh, Tai-Yuan Lin, Ying-Jay Yang and Yang-Fang Chen	Advanced Materials
2012-12	期刊 論文	Performance of InGa _N /Ga _N MQW LEDs Using Ga-Doped ZnO TCLs Prepared by ALD	Kuo-Yi Yen, Chien-Hua Chiu, Chun-Wei Li, Chien-Hua Chou, Pei-Shin Lin, Tzu-Pei Chen, Tai-Yuan Lin, and Jyh-Rong Gong	IEEE PHOTONICS TECHNOLOGY LETTERS
2012-09	期刊 論文	The Effect of Nitrogen-Doped ATO Nanotubes on Radical Multiplication of Buffer Media by Visible Light Photocatalysis Rather UV	Kan-Hung Hu, Shing-Hoa Wang, Todd Hsu, Chien-Chon Chen, Tai-Yuan Lin, Huei-Ting Tsai, and Hsiang-Ho Chiang	Journal of Nanomaterials
2012-07	期刊 論文	Electro-colorimetric hydrogen gas sensor based on Pt-functionalized In ₂ O ₃ nanopushpins and InGa _N /Ga _N multiple quantum wells	T. P. Chen, H. Y. Shih, J. T. Lian, J. H. Chen, P. S. Lin, T. Y. Lin*, J. R. Gong*, and Y. F. Chen,	OPTICS EXPRESS
2012-06	期刊 論文	High-performance polythiophene thin-film transistors with nematic liquid crystal modification	Min-Kun Dai, Jan-Tien Lian, Tai-Yuan Lin, Ming-Chung Chen, Yian	ORGANIC ELECTRONICS

			Tai, Yang-Fang Chen	
2012-04	期刊 論文	Above-room-temperature photoluminescence from a strain-compensated Ge/Si _{0.15} Ge _{0.85} multiple-quantum-well structure	P. H. Wu, D. Dumcenco, Y. S. Huang, H. P. Hsu, C. H. Lai, T. Y. Lin, D. Chrastina, G. Isella, E. Gatti, and K. K. Tiong	Applied Physics Letters
2012-04	期刊 論文	Symmetrically tunable optical properties of InGaN/GaN multiple quantum disks by an external stress	Han-Yu Shih, Yang-Fang Chen and Tai-Yuan Lin	Applied Physics Letters
2012-02	期刊 論文	Light-emitting devices with tunable color from ZnO nanorods grown on InGaN/GaN multiple quantum wells	Han-Yu Shih, Shih-Hao Cheng, Jyong-Kuen Lian, Tai-Yuan Lin, and Yang-Fang Chen	Optics Express
2012-01	期刊 論文	Direct evidence of type II band alignment in ZnO nanorods/poly(3-hexylthiophene) heterostructures	M. H. Chan, J. Y. Chen, T. Y. Lin*, and Y. F. Chen*	Applied Physics Letters
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 , Jian-Min Shiu , Chieh-Ning Fan , Shien-Chau Ye , Wen-Shen Yu , Hsiu-Mei Lin , Tai-Yuan Lin , Surojit Chattopadhyay , L. C. Chen , and Kuei-Hsien Chen	Journal of Physical Chemistry C
2011-09	期刊 論文	Structural and Optical Characteristics of γ -In ₂ Se ₃ Nanorods Grown on Si Substrates	M. D. Yang, C. H. Hu, S. C. Tung, J. L. Shen, S. M. Lan, C. H. Wu and T. Y Lin	Journal of Nanomaterials
2011-07	期刊 論文	Optical Detection of Glucose Based on a Composite Consisting of Enzymatic ZnO Nanorods and InGaN/GaN Multiple Quantum	Han-Yu Shih, Yung-Ting Chen, Chih-Ming Wei, Ming-Hui Chan, Jyong-Kuen Lian,	Journal of Physical Chemistry C

		Wells	Yang-Fang Chen, and Tai-Yuan Lin	
2011-06	期刊 論文	Efficient Light Harvesting by Well-Aligned In ₂ O ₃ Nanopushpins as Antireflection Layer on Si Solar Cells	Chun-Ying Huang, Guan-Cheng Lin, Yeun-Jung Wu, Tai-Yuan Lin,* Ying-Jay Yang, and Yang-Fang Chen*	Journal of Physical Chemistry C
2011-05	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	Journal of Nanoscience and Nanotechnology
2011-05	期刊 論文	Ultraviolet electroluminescence from hybrid inorganic-organic ZnO/GaN/poly(3-hexylthiophene) dual heterojunctions	Yung-Ting Chen, Han-Yu Shih, Chun-Hsiung Wang, Chun-Yi Hsieh, Chih-Wei Chen, Yang-Fang Chen, and Tai-Yuan Lin	Optics Express
2011-03	期刊 論文	Optical detection of magnetoelectric effect in the composite consisting of InGaN/GaN multiple quantum wells and FeCo thin film	C. M. Wei, H. Y. Shih, Y. F. Chen, and T. Y. Lin	Appl. Phys. Lett.)
2011-02	期刊 論文	Annealing effects on the p-type ZnO films fabricated on GaAs substrate by atmospheric pressure metal organic chemical vapor deposition	Yen-Chin Huang, Li-Wei Weng, Wu-Yih Uen, Shan-Ming Lan, Zhen-Yu Li, Sen-Mao Liao, Tai-Yuan Lin, Tsun-Neng Yang	Journal of Alloys and Compounds
2011-02	期刊 論文	Photocatalytic effect of anodic titanium oxide nanotubes on various cell culture media	Chun-Kang Yu, Kan-Hung Hu, Shing-Hoa Wang, Todd Hsu, Huei-Ting Tsai, Chien-Chon Chen, Shiu-Mei Liu, Tai-Yuan	Applied Physics A -Mater. Sci. Process

			Lin, Chin-Hsing Chen	
--	--	--	----------------------	--