


Personal Information

Full name	Jiangnan Dai	
Current position	Associate Prof.	
Organization	Wuhan National Lab for Optoelectronics, Huazhong University of Science and Technology	
Country	China	

Short Biography

Jiangnan Dai received his Ph.D. degree from University of Nanchang (Research Center of Luminescent Materials and Devices Engineering of the Ministry of Education) of China in 2007. From 2008 to 2010, he worked in Wuhan National Laboratory Optoelectronics as postdoctoral researcher. Currently, he is an associate professor in Wuhan National Laboratory Optoelectronics (WNLO) and Huazhong University of Science and Technology (HUST). Dr. Dai has published more than 50 papers in international journals with the cited times more than 200 of ISI Web of Science. He is Reviewer for Optics Express, Applied Physics Letter, Journal of Applied Physics, Journal of Electronic Materials, Applied Surface Science, Chinese Physics Letters.

Publications

1. Wei Ye, Wei Zhang, Shuai Wang, Zhiqiang Qi, Zhongwei Luo, Changqing Chen, Jiangnan Dai*, "Effect of sapphire substrate on the localized surface plasmon resonance of aluminum triangular nanoparticles" Optics Communications: Available online 3 February 2016.
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3. S. Wang, J. Zhang, F. Wu, W. Tian, J. N. Dai, Y. Tian, C. Q. Chen, "Long-Range Surface Plasmon Polaritons for Efficient Optical Coupling in AlGaIn/GaN Quantum Well Infrared Photodetector." Plasmonics (2015): 1-6.
4. Wei Zhang, Jin Xu, Wei Ye, Yang Li, Zhiqiang Qi, Jiangnan Dai, Zhihao Wu, Changqing Chen, Jun Yin, Jing Li, Hao Jiang and Yanyan Fang. "High-performance AlGaIn metal-semiconductor-metal solar-blind ultraviolet photodetectors by localized surface plasmon enhancement." Applied Physics Letters 106.2 (2015): 021112.
5. F. Wu, W. Tian, J. Zhang, S. Wang, Q. X. Wan, J. N. Dai, Z. H. Wu, J. T. Xu, X. Y. Li, Y. Y. Fang, and C. Q. Chen. "Double-resonance enhanced intersubband second-order nonlinear optical susceptibilities in GaN/AlGaIn step quantum wells." Optics express 22.12 (2014): 14212-14220.