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Education	(2007-2011) Ph.D.: Nanjing University Doctor of Science, major in Analytical Chemistry (2004-2007) M.S.: Nanjing University of Aeronautics and Astronautics Master of Engineering, major in Applied Chemistry (2000-2004) B.S.: Nanjing University of Aeronautics and Astronautics Bachelor of Science, major in Applied Chemistry
Employment	08/2008-03/2010, joint Ph.D. student, Chemistry Department, Pro.Clemens Burda group, Case Western Reserve University, USA 09/2016-09/2017, visiting scholar, Chemistry Department, Pro.Yugang Sun group, Temple University, USA 12/2011-now, Faculty, College of Science, University of Shanghai for Science and Technology, CHN
Teaching	Nanoscience; Environmental Applied Chemistry; General Chemistry; Environmental Chemistry.
Research Interests	1. Nanomaterials for photocatalyst and photo-electric conversion; 2. Multi-functional materials for energy storage; 3. Photochemical water splitting and wastewater treatment; 4. Metal oxide via controllable synthesis route.
Research Projects	1. 01/2015-12/2017 National Natural Science Foundation of China (21405105); 2. 06/2014-06/2017 Shanghai Natural Science foundation (14ZR1429300); 3. 09/2013-09/2014 State Key Laboratory of Analytical Chemistry for Life Science (SKLACLS1310);

	4. 09/2012-09/2013 Shanghai Young College Teachers Training Project (SLG12022); 5. 01/2017-01/2019 Key Laboratory of Green Catalysis of Sichuan Institutes of Higher Education (LZJ1703).
Publications/ Preprints	1. **Yajun Ji** et al. Solar-Light Photoamperometric and Photocatalytic Properties of Quasi-transparent TiO_2 Nanoporous Thin Films. ACS Applied Material & Interface. 2010, Vol. 2 No. 11, 3075–3082.. 2. **Yajun Ji** et al. Fabrication of double-walled TiO_2 nanotubes with bamboo morphology via one-step alternating voltage anodization. Electrochemistry Communications. 2011, 13: 1013–1015. 3. **Yajun Ji** et al. The Effect of Optical Properties on Photovoltaic Performance in Dye-Sensitized TiO_2 Nanocrystalline Solar Cells. Journal of Nanoscience and Nanotechnology. 2013, Vol. 13, 3948–3954. 4. **Yajun Ji** et al. Highly-ordered TiO_2 nanotube arrays with double-walled and bamboo-typestructures in dye-sensitized solar cells. Nano Energy. 2012, 1, 796–804. 5. **Yajun Ji*.** Facile route for synthesis of TiO_2 nanorod arrays by high-temperature calcinations. Materials Letters. 2013, 108: 208–211. 6. **Yajun Ji***. Growth mechanism and photocatalytic performance of double-walled and bamboo-type TiO_2 nanotube arrays. RSC Advance, 2014, 4, 40474-82. 7. **Yajun Ji***. Sonochemical synthesis of Titania nanoparticles and Their Application for Photovoltaic Devices. Nanoscience and Nanotechnology Letters, 2014, Vol. 6, 570–575. 8. **Yajun Ji*.** One-step method for growing of large scale ZnO nanowires on zinc foil. Materials Letters. 2015, 138: 92–95. 9. **Yajun Ji***. Comparison of photovoltaic performance of TiO_2 nanoparticles based thin films via different routes. Functional Materials Letters. 2015, Vol. 8, No. 2 1550023 (4 pages). 10. Lina Zhang, **Yajun Ji***. Controlled Synthesis of Ag/TiO_2 Nanotube Arrays Composites with Different Ag Loading and Their Enhanced Photoelectrochemical and Photocatalytic Performance. Journal of Nanoscience and Nanotechnology. 2017, Vol. 17, 1942–1949, 11. Jie Wang, **Yajun Ji***. Preparation and photoelectric performance of CdTe/CdS Co-sensitized TiO_2 electrode materials. Chinese J. Inorg. Chem. 2018, Vol. 34, No. 2, 255-262,. 12. Yalei Deng, **Yajun Ji*.** Preparation and Stored Energy Performance of Spherical Carbon Aerogels with Uniform Size. Hans Journal of Nanotechnology, 2017 07(01): 1-10. 13. **Yajun Ji** et al. Superior Capacitive Performance Enabled by Edge-oriented and Interlayer-expanded MoS_2 Nanosheets Anchored on Reduced Graphene Oxide Sheets. Industrial & Engineering Chemistry Research., 2018, 57 (13), 4571–4576. 14. Hongmei Wu, **Yajun Ji***. Nanoporous alumina thin films with interpenetrated structure via alternating voltage anodization. Materials Letters. 2018, 233: 181–183.

	15. **Yajun Ji***, Yalei Deng, Hongmei Wu, Zhixiang Tong. In-situ preparation of P, O co-doped carbon spheres for high energy density supercapacitor. Journal of Applied Electrochemistry. 2019, 49, 599–607. 16. Yalei Deng, **Yajun Ji*** Hongmei Wu and Fei Chen. Enhanced electrochemical performance and high voltage window for supercapacitor based on multi-heteroatom modified porous carbon materials. Chemical Communication., 2019, 55,1486. 17. Zhixiang Tong, **Yajun Ji*** and Qizhi Tian and Weimin Ouyang. High mass loading and high-density flower-like $NiCo_2O_4$ nanosheets on Ni foam for superior capacitance. Chemical Communication., 2019 DOI: 10.1039/C9CC04135D.
Academic Service	American chemical society (ACS), Fellow since 2009 Chinese chemical society (CCS), Fellow since 2016 REVIEWER for Chemical Communications; RSC Advance; Materials Letters; Ultrasonics Sonochemistry; Journal of Raman Spectroscopy; Nanoscience and Nanotechnology Letters, etc.