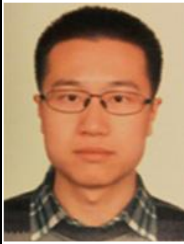


Curriculum Vitae

Personal Information	Name	Yong Yan	Gender	Male	
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	Discipline	Material chemistry			
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Educational Background	<p>PhD: 9/2012 – 07/2015 Technology University of Ilmenau (Germany) Majored in oxygen-deficient metal oxides for battery and electrocatalysis</p> <p>Master: 9/2009 – 6/2012 Beijing University of Technology (China) Majored in Physical Chemistry</p> <p>Bachelor: 9/2005 – 6/2009 Xi'an Petroleum University (China) Majored in Applied Chemistry</p>				
Working Experience	<p>9/2018 – present Associate professor, Department of Physical Chemistry, Beijing University of Technology (China)</p> <p>9/2016 – 08/2018 Assistant professor, Department of Applied Physics, Nanjing University of Science and Technology (China)</p> <p>4/2016 – 08/2016 Postdoctoral fellow, Department of Advanced Materials & Renewable Energy, University of Central Florida (US)</p> <p>8/2015 – 03/2016 Postdoctoral fellow, Fachgebiet Werkstoffe der Elektrotechnik, TU Ilmenau, Germany</p> <p>9/2012 – 07/2015 PhD Student, Fachgebiet Werkstoffe der Elektrotechnik, TU Ilmenau, Germany</p>				
Research Interests	Plasma-assisted engineering of the defective microstructure in TiO ₂ for electrocatalysis and metal-air batteries				
Major Publications*	<p>[1] Y. Yan, C. Y. Liu, H. W. Jian, X. Cheng, T. Hu, D. Wang, L. Shang, G. Chen, P. Schaaf, X. Y. Wang, E. J. Kan, T. R. Zhang, Substitutionally dispersed high-oxidation CoOx clusters in the lattice of rutile TiO₂ triggering efficient Co-Ti cooperative catalytic centers for oxygen evolution reactions, <i>Adv. Funct. Mater.</i> 2020, 2009610.</p> <p>[2] Y. Yan, X. Cheng, W. W. Zhang, G. Chen, H. Y. Li, A. Konkin, Z. C. Sun, S. R. Sun, D. Wang, P. Schaaf, Plasma Hydrogenated TiO₂/Nickel Foam as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting, <i>ACS Sustainable Chem. Eng.</i> 2019, 7, 885.</p> <p>[3] K. Liang, # Y. Yan, # L. Guo, # K. Marcus, Z. Li, L. Zhou, Y. Li, R. Ye, N. Orlovskaya, Y.-H. Sohn, Y. Yang, Strained W(Se_xS_{1-x})₂ Nanoporous Films for Highly Efficient Hydrogen Evolution, <i>ACS Energy Lett.</i> 2017, 2, 1315. # co-first author</p> <p>[4] Y. Yan, A. I. Radu, W. Rao, H. Wang, G. Chen, K. Weber, D. Wang, D. Cialla-May, J. Popp, P. Schaaf,</p>				

	<p>Mesoscopically bicontinuous Ag-Au hybrid nanosponges with tunable plasmon resonances as bottom-up substrates for surface-enhanced Raman spectroscopy (SERS), <i>Chem. Mater.</i> 2016, 28, 7673.</p> <p>[5] W. Ren,# Y. Yan,# L. Zeng, Z. Shi, A. Gong, P. Schaaf, D. Wang, J. Zhao, B. Zou, G. Chen, A. Wu, A near infrared light triggered hydrogenated black TiO₂ for cancer photothermal therapy, <i>Adv. Healthcare. Mater.</i> 2015, 10. 1526. # co-first author</p>
Research Projects*	2020-2022, Transition metal element doping triggered electrocatalytic activity of 2D-Titanium oxide for oxygen evolution reactions, 21905010
Professional Membership	None
Potential Research Projects**	Plasma-assisted engineering of the defect microstructure in 2D titanium oxide-based electrocatalysts for metal-air batteries

* Please list achievements of recent 5 years

** This CV is intended to match Chinese and Polish Scientists within SPUC member universities, and Potential Research Projects is intended to apply for Sino-Polish or EU scientific cooperation projects.