



4, 491-498.

7. **Liu, S.**; Kang, S.; Wang, G.; Zhao, H.; Cai, W., Micro/nanostructured porous Fe–Ni binary oxide and its enhanced arsenic adsorption performances. *Journal of Colloid and Interface Science* 2015, 458, 94.
8. **Liu, S.**; Wang, X.; Zhao, H.; Cai, W., Micro/nano-scaled carbon spheres based on hydrothermal carbonization of agarose. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 2015, 484, 386.
9. Wang, X.; Zhan, C.; Ding, Y.; Ding, B.; Xu, Y.; **Liu, S.**; Dong, H., Dual-core Fe<sub>2</sub>O<sub>3</sub>@ Carbon Structure Derived from Hydrothermal Carbonization of Chitosan as a Highly Efficient Material for Selective Adsorption. *ACS Sustainable Chemistry & Engineering* 2016, 5, 1457
10. Zang, Y.; Zhang, H.; Zhang, X.; Liu, R.; **Liu, S.**; Wang, G.; Zhang Y.; Zhao, H.; Fe/Fe<sub>2</sub>O<sub>3</sub> nanoparticles anchored on Fe-N-doped carbon nanosheets as bifunctional oxygen electrocatalysts for rechargeable zinc-air batteries, *Nano Research*, 2016, 9, 2123
11. Zhang, X.; Liu, R.; Zang, Y.; Liu, G.; **Liu, S.**; Wang, G.; Y. Zhang.; H. Zhang.; H. Zhao, Shrimp-shell derived carbon nanodots as precursors to fabricate Fe,N-doped porous graphitic carbon electrocatalysts for efficient oxygen reduction in zinc-air batteries. *Inorganic Chemistry Frontiers*, 2016, 3, 910
12. Liu, R.; Zhang, H.; **Liu, S.**; Zhang, X.; Wu, T.; Ge, X.; Zang, Y.; Zhao, H.; and Wang, G.; shrimp-shell derived carbon nanodots as carbon and nitrogen source to fabricate three-dimensional N-doped porous carbon electrocatalyst for oxygen reduction reaction. *Physical Chemistry Chemical Physics* 2016, 18, 4095.
13. Kang, S.; **Liu, S.**; Wang, H.; Cai, W., Enhanced degradation performances of plate-like micro/nanostructured zero valent iron to DDT. *Journal of Hazardous Materials* 2016, 307, 145.
14. Wang, X.; Cai, W.; **Liu, S.**; Wang, G.; Wu, Z.; Zhao, H., ZnO hollow microspheres with exposed porous nanosheets surface: Structurally enhanced adsorption towards heavy metal ions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 2013, 422, 199.

## Skills

---

X-ray Diffraction (XRD), Scanning electron microscope (SEM), Raman spectroscopy, FT-IR spectroscopy, X-ray Photoelectron Spectroscopy (XPS), cyclic voltammetry (CV), UV-Visible