Teacher Information				
Name	Fei SHI	Gender	Male	
Academic tile	Professor	Education	博 士	
Phone	0411-86324879	Email	drshifei@hotmail.com	
Address	No. 1st Qinggongyuan, Ganjingzi, Dalian, Liaoning, China	Postal Code	116034	

Individual Introduction:

Professor Fei SHI，as a doctoral supervisor, he received a Ph.D degree in material science from Dalian University of Technology in 2007. He worked as a visiting scholar in Tohoku University in Japan from August to November in 2009. He was a member of the Materials Research Society of American during 2014-2015.

Research:

The main research direction is ecological environment friendly materials and special functional materials. In recent years, about more than 30 articles have been cited by Science Citation Index (SCI), and 15 Chinese Invention Patents have been authorized. In addition, the following projects have been completed and carried out:

(1) The National Natural Science Foundation of China (No. 51278074);

(2) The National Natural Science Foundation of China (No. 51778098);

(3) The 2015 Liaoning Province Colleges and Universities Outstanding Talent Support Program (LR2015005)

(4) The Project of Dalian Science & Technology Foundation (2015B11NC074);

(5) Project “Batch preparation technology and device for SiO_2 aerogel at atmospheric pressure” from Chaoyang Heavy Industry Equipment Manufacturing Co., Ltd.

(6) Project “preparation of SiO_2 based mesoporous materials by comprehensive utilization of molybdenum tailing” from Huludao molybdenum mining and Metallurgy Research and Development Center

Awards and Honors:

2017 Paper “Synthesis of highly porous SiO_2-$(WO_3)_xTiO_2$ composite aerogels using bacterial cellulose as template with solvothermal assisted crystallization”, is awarded the Academic Achievement Third Prize of Natural Science of Liaoning Province;

2017 Paper “Synthesis of highly porous SiO_2-$(WO_3)_xTiO_2$ composite aerogels using bacterial cellulose as template with solvothermal assisted crystallization”, is awarded the Excellent Academic Papers Second Prize of Natural Science of Dalian City;

2011 Paper “Cost-effective synthesis of silica aerogels from fly ash via ambient pressure drying”, is awarded the Academic Achievement Second Prize of Natural Science of Liaoning Province.

Representative Publications:

1. Dongyang Liu, **Fei Shi*** et al. Synthesis of SiO_2-W_xTiO_2 composite aerogels via solvothermal crystallization under the guidance of bacterial cellulose followed by freeze drying method. J. Sol-Gel Science Technology, 2017, 84: 42-50
2. **Fei Shi*** et al. Synthesis of highly porous SiO_2-$(WO_3)_xTiO_2$ composite aerogels using bacterial cellulose as template with solvothermal assisted crystallization. Chemical Engineering Journal, 2016, 292: 105-112.
3. Shi-Cheng Hu, **Fei Shi*** et al. Magnetic mesoporous iron oxide/silica composite aerogels with high adsorption ability for organic pollutant removal. Journal of Porous Materials, 2016, 23: 655-661.
4. **Fei Shi** et al. Hydrothermal synthesis of mesoporous WO_3-TiO_2 powders with enhanced photocatalytic activity. Advanced Powder Technology, 2015, 26: 1425-1441.
5. Xiaoka Wang, **Fei Shi*** et al. Influences of heat-treatment on the microstructure and properties of silica-titania composite aerogels. Journal of Porous Materials. Journal of Porous Materials, 2014, 21(3): 293-301
6. **Fei Shi** et al. Hydrothermal synthesis of Cs_xWO_3 and the effects of N_2 annealing on its microstructure and heat shielding properties. Journal of Materials Science & Technology. 2014, 30(4): 342-346
7. **Fei Shi** et al. Cost-effective synthesis of silica aerogels from fly ash via ambient pressure drying. Journal of Non-Crystalline Solids, 2010, 356(43): 2241-2246
8. **Fei Shi** et al. Synthesis and characterization of silica aerogels by a novel fast ambient pressure drying process. Materials letters, 2006, 60(29-30): 3718-3722
9. **Fei Shi** et al. Effect of heat treatment on silica aerogels prepared via ambient drying. Journal of Materials Science & Technology, 2007, 23(3):402-406.