



## ZENG Huidan

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Department: School of materials science and engineering

Professional field: Materials science

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### Profile

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Prof. Zeng Huidan, Director of Inorganic Materials Department of East China University of science and technology, Mary Curie scholar, director of China Silicate Society, member of TC03 branch of International Glass Association, and editorial board member of silicate journal. Engaged in functional glass, laser and glass interaction and inorganic powder composite materials etc. She studied optical functional glass under the guidance of academician Gan Fuxi and Professor Qiu Jianrong. In 2009, she was funded by the EU Framework Program talent program ("Marie Curie fellowship") and engaged in the research of laser-induced glass precipitation nonlinear crystals at the Paris Sud 11th, France. In recent years, she has been mainly engaged in the research of glass gene and the composition design of high-performance glass. More than 80 research papers have been published in the journals of Appl Phys Lett, J Chem Phys and J Phys Chem B, J Am ceram SOC, Ceram Inter., etc.

### Research Field

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Design and performance prediction of high performance glass

Semiconductor glass R & D

Inorganic functional composite

### Research results and selected published papers

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Ceramics International 45 (2019) 24115–24120, Ceramics International, , 45 (2019) 15073–15076, Journal of Luminescence 214 (2019) 116524, Polymers 11(2019)103, Ceramics International 44 (2018) 10055–10060 ;Journal of the American Ceramic Society, 100 (2017): 1395-1401 ;Journal of the American Ceramic Society, 99 (2016): 1255-1258;Chemical Physics Letter 662(2016)268-272; Applied Physics Letters, 2015, 106(2): 021903. ;Journal of the American Ceramic Society, 2015, 98: 408–412;Journal of Physical Chemistry B, 2014, 118(19): 5177-5183. Journal of Chemical Physics, 2014, 141(12): 124506. ; Journal of the European Ceramic Society, 2014, 34(16): 4383-4388.