



刘娟红，1966年10月出生，土木与环境工程学院教授。1989年在武汉理工大学硅酸盐工程专业获学士学位，1998年在武汉理工大学材料学专业获硕士学位，2008年在中国矿业大学（北京）矿物材料工程专业获博士学位。目前主要从事生态环保型高性能土木工程结构材料、新型混凝土材料及其环境行为与建筑物寿命分析、桥梁、隧道及地下工程加固技术研究与应用、矿山充填用新型胶凝材料研究与应用等方面研究。

【在研科研项目】

1. 国家自然科学基金项目，开采扰动及腐蚀环境中富水充填材料劣化机理和控制（513740362），2013-2017年
2. 尾矿微粉新型掺合料及其对混凝土性能影响研究 2015-2016
3. 井壁腐蚀损伤机理及耐久性预测与可靠性评价研究 2015-2016

【代表性学术论文】

1. 刘娟红； 卞立波； 何伟； 煤矿矿井混凝土井壁腐蚀的调查与破坏机理[J]. 煤炭学报. 2015, 40(03): 528-533
2. 刘娟红; 王祖琦; 纪洪广. 早龄期冻结土压力与负温耦合作用的井壁混凝土性能[J]. 北京科技大学学报. 2014, 36(8): 1000-1006
3. 刘娟红; 高霞; 纪洪广. 高氧化铁粉煤灰影响聚羧酸减水剂吸附特性的机理[J]. 北京科技大学学报. 2013, 35(7): 929-934



Juanhong Liu, born in Oct. 1966, the professor of Institute for Civil and Environment Engineering, received her B.E. and M.E. in silicate engineering and materials processing from Wuhan University of Technology, in 1989 and 1998, and her Ph.D. in mineral materials engineering from China University of Mining and Technology (Beijing) in 2008. Her recent research interest is Eco-environmental high-performance materials for civil engineering structures, new concrete materials and their environmental behavior and building life analysis, reinforcement technology and application of bridge, tunnel and underground engineering, and new cementitious materials research and application used for mine filling.

【Publications】

1. Liu Juan-hong, Bian Li-bo and He Wei. Investigation and destruction mechanism on corrosion of concrete shaft in coal mine. *J China Coal Soc*, 2015,40(3):528-533.
2. Liu Juan-hong, Wang Zu-qi and Ji Hong-guang. Performance of shaft lining concrete under the coupling effect of early-age frozen soil pressure and negative temperature. *Journal of University of Science and Technology Beijing*, 2014, 36(8):1000-1006.
3. Liu Juan-hong, Gao Xia and Ji Hong-guang. Influence mechanism of high iron fly ash on the adsorption characteristics of polycarboxylate superplasticizers. *Journal of University of Science and Technology Beijing*, 2013,35(7):929-934.