



WANG Cuijuan

Associate Professor

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Links: CV

BIO

Education

- **PhD**, College of Chemistry and materials, Northwest University, Inorganic Chemistry (2008)

Employment

Academic Appointments

- Associate Professor, Department of Life Science and Engineering, Southwest Jiaotong University, China (2008-present)
- Visiting scholar, Department of Chemistry, Georgia State University, USA (2014)
- Visiting scholar, Department of Chemistry, University of Florida, USA (2014-2015)

RESEARCH INTERESTS

- Research Interest 1, Synthesis of functional organometallic materials and their fluorescence probe properties
- Research Interest 2, Controlled Synthesis and controlled drug release of metal-organic nanoporous materials
- Research Interest 3, pH-responsive zeolite-type organic framework materials in the biological field

SELECTED PUBLICATIONS

Principal Publications of the Last Five Years

- publication 1, Cheng Liu, Yumei Xiao, Qing Yang, Yongchao Wang, Ruwei Lu, Yanxia Chen, Cuijuan Wang*, Hongjian Yan*. A highly fluorine-functionalized 2D covalent organic framework for promoting photocatalytic hydrogen evolution[J]. Applied Surface Science, 2021, 537(30): 148082-148090.
- publication 2, Yumei Xiao, Dongning Liu, Cheng Liu, Yongchao Wang, Cuijuan Wang*. a-lipoic acid (a-lip) modification on surface of nano-scaled zeolitic imidazole Framework-8 for enhanced drug delivery[J]. Journal of Solid State Chemistry, 2020, 292: 121685-121690.
- publication 3, Luo Dan, Wang Cui Juan*, Tong Yan, Liu Cheng, Xiao Yu Mei, Zhou Zi Xin, Liu Dong Ning, Wang Yao Yu, An NIF-doped ZIF-8 hybrid membrane for continuous antimicrobial treatment, RSC Adv., 2020,10, 7360 –7367.

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- publication 4, Chen Shuang, Wang Cui Juan*, Liu Dong Ning, Zhu Zi Xin, Qian Yan Yu, Luo Dan, Wang Yao Yu, Selective uptake of cationic organic dyes in a series of isostructural Co²⁺/Cd²⁺ metal-doped metal-organic frameworks, J. SOLID STATE CHEM., 2019, 270,180-186,.
 - publication 5, Liu Dong Ning , Wang Cui Juan*, Xiao Yu Mei, Liu Cheng, Luo Dan, Zhu Zi Xin, Chen Shuang, Wang Yao Yu, Synthesis of ZIF-8-based multifunctional shell and sustained release of drugs, Inorg. Chem.Commun., 2020, 114,107773.

RESEARCH

Current Research

- Research project 1: “The Controlled Synthesis of Nano MOFs Clusters and Their Application in Drug Delivery Study” National Natural Science Foundation of China (Grant No: 21401151), (2015-2018)
- Research project 2: “pore size adjustment and surface engineering modification of MOFs for selective adsorption of CO₂ ” , Science and Technology Support Program of Sichuan Province (Grant No: 2015GZ0233), (2016-2018)
- Research project 3: “ The Study of Defect- MOFs composite on Enzyme Immobilization “ Science and Technology Program of Sichuan (Grant No: 21SYSX0174), (2020-2023)

TEACHING

Primary Teaching areas

- Area 1, Inorganic Chemistry

Current Courses (

- Course title 1, Principles of principle

GRADUATE SUPERVISION

I am available for supervision.