

# Fangyuan Gai

## List of Publications by Year in descending order

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13  
papers

185  
citations

1307594

7  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structuring ZIF-8-based hybrid material with hierarchical pores by in situ synthesis and thermal treatment for enhancement of CO <sub>2</sub> uptake. Journal of Solid State Chemistry, 2019, 269, 507-512.	2.9	33
2	Silica cross-linked nanoparticles encapsulating fluorescent conjugated dyes for energy transfer-based white light emission and porphyrin sensing. Nanoscale, 2012, 4, 6041.	5.6	28
3	Mixed anionic surfactant-templated mesoporous silica nanoparticles for fluorescence detection of Fe <sup>3+</sup> . Dalton Transactions, 2016, 45, 508-514.	3.3	25
4	Silica cross-linked nanoparticles encapsulating a phenothiazine-derived Schiff base for selective detection of Fe(III) in aqueous media. Journal of Materials Chemistry B, 2014, 2, 6306-6312.	5.8	23
5	Surface charge tuning of functionalized silica cross-linked micellar nanoparticles encapsulating a donor-acceptor dye for Fe(III) sensing. Journal of Materials Chemistry A, 2015, 3, 2120-2127.	10.3	22
6	Structured carbon fiber cloth-templated ZIF-8 by binder-free method for efficient dyes removal from water. Materials Chemistry and Physics, 2020, 242, 122563.	4.0	15
7	Multiple dye-doped silica cross-linked micellar nanoparticles for colour-tuneable sensing of cysteine in an aqueous media and living cells. Journal of Colloid and Interface Science, 2018, 529, 531-537.	9.4	8
8	Tailored N-doped porous carbons via a MOF assembly process for high-performance CO <sub>2</sub> uptake. Materials Advances, 2021, 2, 692-699.	5.4	8
9	Novel Schiff base (DBDDP) selective detection of Fe (III): Dispersed in aqueous solution and encapsulated in silica cross-linked micellar nanoparticles in living cell. Journal of Colloid and Interface Science, 2018, 514, 357-363.	9.4	7
10	High-performance carbonized ZIF-8-doped hybrid carbon molecular sieve membrane for CO <sub>2</sub> /N <sub>2</sub> separation. Journal of Membrane Science, 2022, 655, 120610.	8.2	6
11	Ru(bpy) <sub>2</sub> (phen-5-NH <sub>2</sub> ) <sub>2</sub> + doped ultrabright and photostable fluorescent silica nanoparticles. RSC Advances, 2016, 6, 51591-51597.	3.6	5
12	Photoswitchable Cu(II)/Cu(I) catalyses assisted by enzyme-like non-covalent interactions in Cu(II)-melamine coordination polymers for installing CO <sub>2</sub> /CS <sub>2</sub> and CF <sub>3</sub> groups in heterocycles. New Journal of Chemistry, 2020, 44, 15131-15139.	2.8	3
13	Tailored pore structure of ZIF-8/chitosan-derived carbonaceous adsorbent by introducing mesoporous silica nanoparticles for superior CO <sub>2</sub> uptake. Journal of Dispersion Science and Technology, 2023, 44, 2303-2310.	2.4	2