Qingze Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	1,319 citations	535685 17 h-index	488211 31 g-index
31 all docs	31 docs citations	31 times ranked	1681 citing authors

#	Article	IF	Citations
1	Photoreductive Dissolution of Iron (Hydr)oxides and Its Geochemical Significance. ACS Earth and Space Chemistry, 2022, 6, 811-829.	1.2	14
2	A novel montmorillonite-based soil amendment for Cd/REEs immobilization and nutrients sustained release. Applied Clay Science, 2022, 221, 106464.	2.6	9
3	Enhanced immobilization of phosphate by ferrihydrite during the photoreductive dissolution process. Science of the Total Environment, 2022, 838, 155835.	3.9	1
4	Coupled redox cycling of Fe and Mn in the environment: The complex interplay of solution species with Fe- and Mn-(oxyhydr)oxide crystallization and transformation. Earth-Science Reviews, 2022, 232, 104105.	4.0	25
5	Phosphate modified magnetite@ferrihydrite as an magnetic adsorbent for Cd(II) removal from water, soil, and sediment. Science of the Total Environment, 2021, 764, 142846.	3.9	44
6	The significant role of montmorillonite on the formation of hematite nanoparticles from ferrihydrite under heat treatment. Applied Clay Science, 2021, 202, 105962.	2.6	11
7	Development of novel multifunctional adsorbent by effectively hosting both zwitterionic surfactant and hydrated ferric oxides in montmorillonite. Science of the Total Environment, 2021, 774, 144974.	3.9	6
8	Facile synthesis of Al/Fe bimetallic (oxyhydr)oxide-coated magnetite for efficient removal of fluoride from water. Environmental Technology (United Kingdom), 2020, 41, 2625-2636.	1.2	13
9	A novel multifunctional adsorbent synthesized by modifying acidified organo-montmorillonite with iron hydroxides. Applied Clay Science, 2020, 185, 105420.	2.6	24
10	Organoclay-derived lamellar silicon carbide/carbon composite as an ideal support for Pt nanoparticles: facile synthesis and toluene oxidation performance. Chemical Communications, 2020, 56, 9489-9492.	2.2	3
11	One-pot synthesis of the reduced-charge montmorillonite via molten salts treatment. Applied Clay Science, 2020, 186, 105429.	2.6	6
12	One-pot synthesis of novel hierarchically porous and hydrophobic Si/SiOx composite from natural palygorskite for benzene adsorption. Chemical Engineering Journal, 2019, 378, 122131.	6.6	25
13	In situ synthesis of a silicon flake/nitrogen-doped graphene-like carbon composite from organoclay for high-performance lithium-ion battery anodes. Chemical Communications, 2019, 55, 2644-2647.	2.2	44
14	The significant effect of photo-catalyzed redox reactions on the immobilization of chromium by hematite. Chemical Geology, 2019, 524, 228-236.	1.4	13
15	Efficient degradation of cefotaxime by a UV+ferrihydrite/TiO₂+H₂O₂ process: the important role of ferrihydrite in transferring photoâ€generated electrons from TiO₂ to H₂O₂. Journal of Chemical Technology and Biotechnology, 2019, 94, 2512-2521.	1.6	9
16	Self-templating synthesis of silicon nanorods from natural sepiolite for high-performance lithium-ion battery anodes. Journal of Materials Chemistry A, 2018, 6, 6356-6362.	5.2	67
17	From natural clay minerals to porous silicon nanoparticles. Microporous and Mesoporous Materials, 2018, 260, 76-83.	2.2	18
18	Calcined Mg/Al layered double hydroxides as efficient adsorbents for polyhydroxy fullerenes. Applied Clay Science, 2018, 151, 66-72.	2.6	16

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19	Clay minerals derived nanostructured silicon with various morphology: Controlled synthesis, structural evolution, and enhanced lithium storage properties. Journal of Power Sources, 2018, 405, 61-69.	4.0	34
20	Montmorillonite-assisted synthesis of cobalt-nitrogen-doped carbon nanosheets for high-performance selective oxidation of alkyl aromatics. Applied Surface Science, 2018, 456, 951-958.	3.1	13
21	Superior adsorption of phosphate by ferrihydrite-coated and lanthanum-decorated magnetite. Journal of Colloid and Interface Science, 2018, 530, 704-713.	5.0	185
22	Influence of interlayer species on the thermal characteristics of montmorillonite. Applied Clay Science, 2017, 135, 129-135.	2.6	41
23	Adsorption of polyhydroxy fullerene on polyethylenimine-modified montmorillonite. Applied Clay Science, 2016, 132-133, 412-418.	2.6	19
24	Adsorbents based on montmorillonite for contaminant removal from water: A review. Applied Clay Science, 2016, 123, 239-258.	2.6	389
25	Facile synthesis of nitrogen and sulfur co-doped graphene-like carbon materials using methyl blue/montmorillonite composites. Microporous and Mesoporous Materials, 2016, 225, 137-143.	2.2	33
26	Adsorption of phenol and Cu(II) onto cationic and zwitterionic surfactant modified montmorillonite in single and binary systems. Chemical Engineering Journal, 2016, 283, 880-888.	6.6	112
27	From spent Mg/Al layered double hydroxide to porous carbon materials. Journal of Hazardous Materials, 2015, 300, 572-580.	6.5	28
28	Templated synthesis of nitrogen-doped graphene-like carbon materials using spent montmorillonite. RSC Advances, 2015, 5, 7522-7528.	1.7	34
29	From used montmorillonite to carbon monolayerâ€“montmorillonite nanocomposites. Applied Clay Science, 2014, 100, 112-117.	2.6	39
30	Montmorillonite as a multifunctional adsorbent can simultaneously remove crystal violet, cetyltrimethylammonium, and 2-naphthol from water. Applied Clay Science, 2014, 88-89, 33-38.	2.6	43