Wei Wang

List of Publications by Year
in descending order

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50 papers	2,794 citations	212478 28 h-index	223390 49 g-index
50 all docs	50 docs citations	50 times ranked	2859 citing authors

#	Article	IF	Citations
1	3D-printed montmorillonite nanosheets based hydrogel with biocompatible polymers as excellent adsorbent for Pb(â…¡) removal. Separation and Purification Technology, 2022, 283, 120176.	3.9	34
2	Synthesis and characterisation of a novel pH-sensitive flocculant and its flocculation performance. Journal of Molecular Liquids, 2022, 348, 118480.	2.3	9
3	A novel gasification exfoliation method of the preparation of anhydrous montmorillonite nanosheets for inhibiting restack problem suffering from dehydration. Applied Clay Science, 2022, 217, 106394.	2.6	3
4	Efficient dye removal using fixed-bed process based on porous montmorillonite nanosheet/poly(acrylamide-co-acrylic acid)/sodium alginate hydrogel beads. Applied Clay Science, 2022, 219, 106443.	2.6	36
5	MoS2 composite hydrogel supported by two-dimensional montmorillonite nanosheets for Pb2+ removal from water. Chemical Physics, 2022, 556, 111477.	0.9	6
6	Self-assembly hierarchical binary gel based on MXene and montmorillonite nanosheets for efficient and stable solar steam generation. Journal of Cleaner Production, 2022, 357, 132000.	4.6	19
7	Insight into efficient removal of phenanthrene by Fe3O4-benzhydrylamine nanocomposite: A combined experimental and DFT studies. Chemical Engineering Journal, 2022, 445, 136824.	6.6	15
8	Mineral Adsorbents and Characteristics. Engineering Materials, 2021, , 1-54.	0.3	0
9	Removal of heavy metals and dyes by clay-based adsorbents: From natural clays to 1D and 2D nano-composites. Chemical Engineering Journal, 2021, 420, 127574.	6.6	144
10	Use of posnjakite containing sludge as catalyst for decoloring dye via photo-Fenton-like process. Journal of Cleaner Production, 2021, 293, 126184.	4.6	17
11	Preparation of Carboxymethyl Cellulose-Based Hydrogel Supported by Two-Dimensional Montmorillonite Nanosheets for Methylene Blue Removal. Journal of Polymers and the Environment, 2021, 29, 3918-3931.	2.4	13
12	Three-dimensional reduced graphene oxide/montmorillonite nanosheet aerogels as electrode material for supercapacitor application. Applied Clay Science, 2021, 206, 106022.	2.6	19
13	Adsorption toward Pb(II) occurring on three-dimensional reticular-structured montmorillonite hydrogel surface. Applied Clay Science, 2021, 210, 106153.	2.6	33
14	SYNTHESIS OF A COMPOSITE AEROGEL OF REDUCED GRAPHENE OXIDE SUPPORTED BY TWO-DIMENSIONAL MONTMORILLONITE NANOLAYERS FOR METHYLENE BLUE REMOVAL. Clays and Clay Minerals, 2021, 69, 746-758.	0.6	5
15	Self-assembled gels of Fe-chitosan/montmorillonite nanosheets: Dye degradation by the synergistic effect of adsorption and photo-Fenton reaction. Chemical Engineering Journal, 2020, 379, 122322.	6.6	202
16	Enhanced removal of methyl orange on exfoliated montmorillonite/chitosan gel in presence of methylene blue. Chemosphere, 2020, 238, 124693.	4.2	77
17	High-performance two-dimensional montmorillonite supported-poly(acrylamide-co-acrylic acid) hydrogel for dye removal. Environmental Pollution, 2020, 257, 113574.	3.7	86
18	Fabrication of 3D flower-like MoS2/graphene composite as high-performance electrode for capacitive deionization. Desalination, 2020, 473, 114191.	4.0	95

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19	Synthesis of NiCo2S4 nanospheres/reduced graphene oxide composite as electrode material for supercapacitor. Current Applied Physics, 2020, 20, 304-309.	1.1	36
20	Laminar MoS2 membrane for high-efficient rejection of methyl orange from aqueous solution. Chemical Physics, 2020, 530, 110609.	0.9	9
21	Synthesis of carboxymethyl cellulose-chitosan-montmorillonite nanosheets composite hydrogel for dye effluent remediation. International Journal of Biological Macromolecules, 2020, 165, 1-10.	3.6	61
22	Performance Evaluation of Lime Mortars with Metakaolin and CMC for Restoration Application. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	4
23	Adsorption of small gas molecules on strained monolayer WSe2 doped with Pd, Ag, Au, and Pt: A computational investigation. Applied Surface Science, 2020, 514, 145911.	3.1	70
24	Adsorption toward Cu(II) and inhibitory effect on bacterial growth occurring on molybdenum disulfide-montmorillonite hydrogel surface. Chemosphere, 2020, 248, 126025.	4.2	32
25	Preparation of ion-imprinted montmorillonite nanosheets/chitosan gel beads for selective recovery of Cu(â...¡) from wastewater. Chemosphere, 2020, 252, 126560.	4.2	43
26	An Economic Magnetic Adsorbent for Acid Blue 80â€‰and Methylene Blue Removal. ChemistrySelect, 2019, 4, 9174-9178.	0.7	9
27	Synthesis of chitosan cross-linked 3D network-structured hydrogel for methylene blue removal. International Journal of Biological Macromolecules, 2019, 141, 98-107.	3.6	55
28	A novel core-shell structural montmorillonite nanosheets/stearic acid composite PCM for great promotion of thermal energy storage properties. Solar Energy Materials and Solar Cells, 2019, 192, 57-64.	3.0	91
29	Pb(Î™Î™) removal from water using porous hydrogel of chitosan-2D montmorillonite. International Journal of Biological Macromolecules, 2019, 128, 85-93.	3.6	70
30	Enhanced arsenic removal from water and easy handling of the precipitate sludge by using FeSO4 with CaCO3 to Ca(OH)2. Chemosphere, 2019, 231, 134-139.	4.2	35
31	Easily scaled-up photo-thermal membrane with structure-dependent auto-cleaning feature for high-efficient solar desalination. Journal of Membrane Science, 2019, 586, 222-230.	4.1	87
32	Effect of interlayer cations on exfoliating 2D montmorillonite nanosheets with high aspect ratio: From experiment to molecular calculation. Ceramics International, 2019, 45, 17054-17063.	2.3	16
33	Design of MtNS/SA microencapsulated phase change materials for enhancement of thermal energy storage performances: Effect of shell thickness. Solar Energy Materials and Solar Cells, 2019, 200, 109935.	3.0	31
34	A novel method for surface wettability modification of talc through thermal treatment. Applied Clay Science, 2019, 176, 21-28.	2.6	24
35	Correlation of Montmorillonite Sheet Thickness and Flame Retardant Behavior of a Chitosanâ€“Montmorillonite Nanosheet Membrane Assembled on Flexible Polyurethane Foam. Polymers, 2019, 11, 213.	2.0	19
36	Correlation of exfoliation performance with interlayer cations of montmorillonite in the preparation of twoâ€dimensional nanosheets. Journal of the American Ceramic Society, 2019, 102, 3908-3922.	1.9	29

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37	Removal of methylene blue from water with montmorillonite nanosheets/chitosan hydrogels as adsorbent. Applied Surface Science, 2018, 448, 203-211.	3.1	208
38	Preparation and characterization of self-assembly hydrogels with exfoliated montmorillonite nanosheets and chitosan. Nanotechnology, 2018, 29, 025605.	1.3	27
39	Methylene blue removal from water using the hydrogel beads of poly(vinyl alcohol)-sodium alginate-chitosan-montmorillonite. Carbohydrate Polymers, 2018, 198, 518-528.	5.1	299
40	Surface wettability of montmorillonite (0â€¯0â€¯1) surface as affected by surface charge and exchangeable cations: A molecular dynamic study. Applied Surface Science, 2018, 459, 148-154.	3.1	113
41	In-situ investigation on mineral phase transition during roasting of vanadium-bearing stone coal. Advanced Powder Technology, 2017, 28, 1103-1107.	2.0	25
42	Fabrication and mechanism of cement-based waterproof material using silicate tailings from reverse flotation. Powder Technology, 2017, 315, 422-429.	2.1	20
43	Bioinspired Polydopamine Sheathed Nanofibers Containing Carboxylate Graphene Oxide Nanosheet for High-Efficient Dyes Scavenger. ACS Sustainable Chemistry and Engineering, 2017, 5, 4948-4956.	3.2	224
44	Decomposition characteristics of compound additive and effect of roasting atmosphere on vanadium extraction from stone coal. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 374-380.	0.8	5
45	First-principles study of nonmetal doped monolayer MoSe2 for tunable electronic and photocatalytic properties. Scientific Reports, 2017, 7, 17088.	1.6	36
46	A Novel Model of Aggregate Gradation for Autoclaved Bricks from Tailings. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	0.8	6
47	Sandwichlike Coating Consisting of Alternating Montmorillonite and Î²-FeOOH for Reducing the Fire Hazard of Flexible Polyurethane Foam. ACS Sustainable Chemistry and Engineering, 2015, 3, 3214-3223.	3.2	49
48	Formation of Layer-by-Layer Assembled Titanate Nanotubes Filled Coating on Flexible Polyurethane Foam with Improved Flame Retardant and Smoke Suppression Properties. ACS Applied Materials & Interfaces, 2015, 7, 101-111.	4.0	119
49	A bifunctional adsorbent with high surface area and cation exchange property for synergistic removal of tetracycline and Cu2+. Chemical Engineering Journal, 2014, 258, 26-33.	6.6	96
50	Preparation of water-soluble chitosan derivatives and their antibacterial activity. Journal of Applied Polymer Science, 2002, 85, 1357-1361.	1.3	33