Yi Zhang

List of Publications by Year
in descending order

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		196777	232693
54	2,362	29	48
papers	citations	h-index	g-index

55	55	55	2859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CeO₂/CuO/3DOM SiO₂ catalysts with very high efficiency and stability for CO oxidation. Materials Advances, 2022, 3, 232-244.	2.6	10
2	Review of the fabrication and application of porous materials from silicon-rich industrial solid waste. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 424-438.	2.4	33
3	Polycaprolactone nanofiber membrane modified with halloysite and ZnO for anti-bacterial and air filtration. Applied Clay Science, 2022, 223, 106512.	2.6	18
4	PANI/BaFe12O19@Halloysite ternary composites as novel microwave absorbent. Journal of Colloid and Interface Science, 2021, 582, 137-148.	5.0	47
5	Nitrogen-doped three-dimensional porous carbon anode derived from hard halloysite template for sodium-ion batteries. Applied Clay Science, 2021, 200, 105916.	2.6	7
6	Fe-doped chrysotile nanotubes containing siRNAs to silence SPAG5 to treat bladder cancer. Journal of Nanobiotechnology, 2021, 19, 189.	4.2	9
7	Electrospun polycaprolactone/hydroxyapatite/ZnO films as potential biomaterials for application in bone-tendon interface repair. Colloids and Surfaces B: Biointerfaces, 2021, 204, 111825.	2.5	25
8	Robust hemostatic bandages based on nanoclay electrospun membranes. Nature Communications, 2021, 12, 5922.	5.8	75
9	Electrospinning with a spindle-knot structure for effective PM2.5 capture. Science China Materials, 2021, 64, 1278-1290.	3.5	11
10	A new nanoclay-based bifunctional hybrid fiber membrane with hemorrhage control and wound healing for emergency self-rescue. Materials Today Advances, 2021, 12, 100190.	2.5	17
11	Nano-Bio interactions of clay nanotubes with colon cancer cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124242.	2.3	10
12	Hybrid membrane with controllable surface microroughness by micro-nano structure processing for diluted PM2.5 capture. Environmental Pollution, 2020, 266, 115249.	3.7	6
13	Size-dependent 2D nanoclay against ultraviolet B-induced damage in vitro and in vivo. Applied Clay Science, 2020, 190, 105212.	2.6	0
14	Investigation of natural minerals for ulcerative colitis therapy. Applied Clay Science, 2020, 186, 105436.	2.6	7
15	Multiple polarization loss and permittivity adjusting of halloysite/BN Co-doped carbon/cobalt composites. Journal of Colloid and Interface Science, 2019, 555, 509-518.	5.0	19
16	CoF2 nanoparticles grown on carbon fiber cloth as conversion reaction cathode for lithium-ion batteries. Journal of Alloys and Compounds, 2019, 805, 539-544.	2.8	18
17	Functional MoS2 nanosheets inhibit melanogenesis to enhance UVB/X-ray induced damage. Journal of Materials Chemistry B, 2019, 7, 4552-4560.	2.9	2
18	Interactions between two-dimensional nanoclay and blood cells in hemostasis. Materials Science and Engineering C, 2019, 105, 110081.	3.8	25

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19	Delivery of RIPK4 small interfering RNA for bladder cancer therapy using natural halloysite nanotubes. Science Advances, 2019, 5, eaaw6499.	4.7	43
20	A Sb₂Se₃/Palygorskite Nanocomposite Catalyst for p-Nitrophenol Reduction. Nano, 2019, 14, 1950113.	0.5	2
21	Charge-Dependent Regulation in DNA Adsorption on 2D Clay Minerals. Scientific Reports, 2019, 9, 6808.	1.6	7
22	Intercalated kaolinite as an emerging platform for cancer therapy. Science China Chemistry, 2019, 62, 58-61.	4.2	14
23	CO2 capturing performances of millimeter scale beads made by tetraethylenepentamine loaded ultra-fine palygorskite powders from jet pulverization. Chemical Engineering Journal, 2018, 341, 432-440.	6.6	35
24	Textural properties determined CO2 capture of tetraethylenepentamine loaded SiO2 nanowires from Î±-sepiolite. Chemical Engineering Journal, 2018, 337, 342-350.	6.6	50
25	Emerging Nanoclay Composite for Effective Hemostasis. Advanced Functional Materials, 2018, 28, 1704452.	7.8	106
26	Chemically modified kaolinite nanolayers for the removal of organic pollutants. Applied Clay Science, 2018, 157, 283-290.	2.6	64
27	Large-scale synthesis of sub-micro sized halloysite-composed CZA with enhanced catalysis performances. Applied Clay Science, 2018, 152, 221-229.	2.6	35
28	Silver nanoparticles assembled on modified sepiolite nanofibers for enhanced catalytic reduction of 4-nitrophenol. Applied Clay Science, 2018, 166, 166-173.	2.6	42
29	Selective Fabrication of Barium Carbonate Nanoparticles in the Lumen of Halloysite Nanotubes. Minerals (Basel, Switzerland), 2018, 8, 296.	0.8	11
30	Mineralogy and Physico-Chemical Data of Two Newly Discovered Halloysite in China and Their Contrasts with Some Typical Minerals. Minerals (Basel, Switzerland), 2018, 8, 108.	0.8	39
31	Halloysite Nanotubes Supported Ag and ZnO Nanoparticles with Synergistically Enhanced Antibacterial Activity. Nanoscale Research Letters, 2017, 12, 135.	3.1	128
32	Intercalated 2D nanoclay for emerging drug delivery in cancer therapy. Nano Research, 2017, 10, 2633-2643.	5.8	66
33	Fe₂O₃ nanoparticles anchored on 2D kaolinite with enhanced antibacterial activity. Chemical Communications, 2017, 53, 6255-6258.	2.2	48
34	Characterization and synergetic antibacterial properties of ZnO and CeO2 supported by halloysite. Applied Surface Science, 2017, 420, 833-838.	3.1	58
35	Lauric acid/modified sepiolite composite as a form-stable phase change material for thermal energy storage. Applied Clay Science, 2017, 146, 14-22.	2.6	94
36	Textual properties and catalytic performances of halloysite hybrid CeO2-ZrO2 nanoparticles. Journal of Colloid and Interface Science, 2017, 505, 430-436.	5.0	24

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37	Sb2Se3 assembling Sb2O3@ attapulgite as an emerging composites for catalytic hydrogenation of p-nitrophenol. Scientific Reports, 2017, 7, 3281.	1.6	24
38	Substitutional Doping for Aluminosilicate Mineral and Superior Water Splitting Performance. Nanoscale Research Letters, 2017, 12, 456.	3.1	31
39	Promoting effect of the addition of Ce and Fe on manganese oxide catalyst for 1,2-dichlorobenzene catalytic combustion. Catalysis Communications, 2016, 82, 41-45.	1.6	40
40	Emerging integrated nanoclay-facilitated drug delivery system for papillary thyroid cancer therapy. Scientific Reports, 2016, 6, 33335.	1.6	52
41	An emerging dual collaborative strategy for high-performance tumor therapy with mesoporous silica nanotubes loaded with Mn₃O₄. Journal of Materials Chemistry B, 2016, 4, 7406-7414.	2.9	18
42	A Simple Thermoplastic Substrate Containing Hierarchical Silica Lamellae for Highâ€Molecularâ€Weight DNA Extraction. Advanced Materials, 2016, 28, 10630-10636.	11.1	17
43	Applications and interfaces of halloysite nanocomposites. Applied Clay Science, 2016, 119, 8-17.	2.6	235
44	Helical TiO₂Nanotube Arrays Modified by Cuâ€“Cu₂O with Ultrahigh Sensitivity for the Nonenzymatic Electro-oxidation of Glucose. ACS Applied Materials & Interfaces, 2015, 7, 12719-12730.	4.0	107
45	Halloysite nanotubes as hydrogen storage materials. Physics and Chemistry of Minerals, 2014, 41, 323-331.	0.3	41
46	High morphological stability and structural transition of halloysite (Hunan, China) in heat treatment. Applied Clay Science, 2014, 101, 16-22.	2.6	63
47	Mesoporous material Al-MCM-41 from natural halloysite. Physics and Chemistry of Minerals, 2014, 41, 497-503.	0.3	33
48	Metal oxide nanoparticles deposited onto carbon-coated halloysite nanotubes. Applied Clay Science, 2014, 95, 252-259.	2.6	81
49	Precious-Metal Nanoparticles Anchored onto Functionalized Halloysite Nanotubes. Industrial & Engineering Chemistry Research, 2014, 53, 5507-5514.	1.8	67
50	Palladium nanoparticles deposited on silanized halloysite nanotubes: synthesis, characterization and enhanced catalytic property. Scientific Reports, 2013, 3, 2948.	1.6	149
51	ZnS/HALLOYSITE NANOCOMPOSITES: SYNTHESIS, CHARACTERIZATION AND ENHANCED PHOTOCATALYTIC ACTIVITY. Functional Materials Letters, 2013, 06, 1350013.	0.7	21
52	Co3O4 nanoparticles on the surface of halloysite nanotubes. Physics and Chemistry of Minerals, 2012, 39, 789-795.	0.3	59
53	Halloysite nanotubes coated with magnetic nanoparticles. Applied Clay Science, 2012, 56, 97-102.	2.6	52
54	Insights into the physicochemical aspects from natural halloysite to silica nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 414, 115-119.	2.3	67