

Zhiming Sun

List of Publications by Year in descending order

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132
papers

6,443
citations

47006

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Monodispersed CuFe ₂ O ₄ nanoparticles anchored on natural kaolinite as highly efficient peroxymonosulfate catalyst for bisphenol A degradation. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 206-217.	20.2	405
2	Highly efficient activation of peroxymonosulfate by natural negatively-charged kaolinite with abundant hydroxyl groups for the degradation of atrazine. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 10-23.	20.2	348
3	Highly efficient g-C ₃ N ₄ /TiO ₂ /kaolinite composite with novel three-dimensional structure and enhanced visible light responding ability towards ciprofloxacin and <i>S. aureus</i> . <i>Applied Catalysis B: Environmental</i> , 2018, 220, 272-282.	20.2	252
4	Natural illite-based ultrafine cobalt oxide with abundant oxygen-vacancies for highly efficient Fenton-like catalysis. <i>Applied Catalysis B: Environmental</i> , 2020, 261, 118214.	20.2	194
5	Preparation and thermal energy storage properties of paraffin/calcined diatomite composites as form-stable phase change materials. <i>Thermochimica Acta</i> , 2013, 558, 16-21.	2.7	159
6	Characterization and improved solar light activity of vanadium doped TiO ₂ /diatomite hybrid catalysts. <i>Journal of Hazardous Materials</i> , 2015, 285, 212-220.	12.4	154
7	Synthesis of nano-TiO ₂ /diatomite composite and its photocatalytic degradation of gaseous formaldehyde. <i>Applied Surface Science</i> , 2017, 412, 105-112.	6.1	141
8	Synthesis of novel ternary heterogeneous BiOCl/TiO ₂ /sepiolite composite with enhanced visible-light-induced photocatalytic activity towards tetracycline. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 238-250.	9.4	130
9	Diatomite supported hierarchical 2D CoNi ₃ O ₄ nanoribbons as highly efficient peroxymonosulfate catalyst for atrazine degradation. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118971.	20.2	129
10	Evaluation of paraffin infiltrated in various porous silica matrices as shape-stabilized phase change materials for thermal energy storage. <i>Energy Conversion and Management</i> , 2018, 171, 361-370.	9.2	124
11	Synthesis, characterization and activity of an immobilized photocatalyst: Natural porous diatomite supported titania nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 204-211.	9.4	114
12	A facile synthesis of g-C ₃ N ₄ /TiO ₂ hybrid photocatalysts by sol-gel method and its enhanced photodegradation towards methylene blue under visible light. <i>Advanced Powder Technology</i> , 2016, 27, 330-337.	4.1	113
13	Removal of bisphenol A from wastewater by Ca-montmorillonite modified with selected surfactants. <i>Chemical Engineering Journal</i> , 2013, 234, 416-422.	12.7	108
14	Flowing nitrogen atmosphere induced rich oxygen vacancies overspread the surface of TiO ₂ /kaolinite composite for enhanced photocatalytic activity within broad radiation spectrum. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 76-87.	20.2	103
15	Bisphenol A degradation enhanced by air bubbles via advanced oxidation using in situ generated ferrous ions from nano zero-valent iron/palygorskite composite materials. <i>Chemical Engineering Journal</i> , 2014, 247, 66-74.	12.7	102
16	Natural diatomite mediated spherically monodispersed CoFe ₂ O ₄ nanoparticles for efficient catalytic oxidation of bisphenol A through activating peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020, 388, 124386.	12.7	101
17	Bisphenol A sorption by organo-montmorillonite: Implications for the removal of organic contaminants from water. <i>Chemosphere</i> , 2014, 107, 249-256.	8.2	98
18	A comparative study of different porous amorphous silica minerals supported TiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2013, 458, 103-110.	4.3	93

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19	Influence of calcination temperature on the structural, adsorption and photocatalytic properties of TiO ₂ nanoparticles supported on natural zeolite. <i>Powder Technology</i> , 2015, 274, 88-97.	4.2	92
20	Multidimensional assembly of oxygen vacancy-rich amorphous TiO ₂ -BiOBr-sepiolite composite for rapid elimination of formaldehyde and oxytetracycline under visible light. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 61-73.	9.4	89
21	Synergistic activation of peroxymonosulfate via in situ growth FeCo ₂ O ₄ nanoparticles on natural rectorite: Role of transition metal ions and hydroxyl groups. <i>Chemosphere</i> , 2021, 263, 127965.	8.2	82
22	Degradation of simazine from aqueous solutions by diatomite-supported nanosized zero-valent iron composite materials. <i>Journal of Hazardous Materials</i> , 2013, 263, 768-777.	12.4	80
23	A novel method for purification of low grade diatomite powders in centrifugal fields. <i>International Journal of Mineral Processing</i> , 2013, 125, 18-26.	2.6	77
24	Multi-component design and in-situ synthesis of visible-light-driven SnO ₂ /g-C ₃ N ₄ /diatomite composite for high-efficient photoreduction of Cr(VI) with the aid of citric acid. <i>Journal of Hazardous Materials</i> , 2020, 396, 122694.	12.4	74
25	In situ synthesis of magnetic MnFe ₂ O ₄ /diatomite nanocomposite adsorbent and its efficient removal of cationic dyes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 71, 501-509.	5.3	72
26	Single-atomic Pt sites anchored on defective TiO ₂ nanosheets as a superior photocatalyst for hydrogen evolution. <i>Journal of Energy Chemistry</i> , 2021, 62, 1-10.	12.9	70
27	Synthesis of natural porous minerals supported TiO ₂ nanoparticles and their photocatalytic performance towards Rhodamine B degradation. <i>Powder Technology</i> , 2014, 262, 1-8.	4.2	67
28	Characterizations of nano-TiO ₂ /diatomite composites and their photocatalytic reduction of aqueous Cr (VI). <i>Applied Surface Science</i> , 2014, 311, 369-376.	6.1	66
29	Facile synthesis of g-C ₃ N ₄ /montmorillonite composite with enhanced visible light photodegradation of rhodamine B and tetracycline. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 363-371.	5.3	64
30	Fluorine doped anatase TiO ₂ with exposed reactive (001) facets supported on porous diatomite for enhanced visible-light photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 281-290.	4.4	61
31	Enhanced photocatalytic removal of indoor formaldehyde by ternary heterogeneous BiOCl/TiO ₂ /sepiolite composite under solar and visible light. <i>Building and Environment</i> , 2020, 168, 106481.	6.9	61
32	Acetic acid functionalized TiO ₂ /kaolinite composite photocatalysts with enhanced photocatalytic performance through regulating interfacial charge transfer. <i>Journal of Catalysis</i> , 2018, 367, 126-138.	6.2	60
33	Effect of preparation conditions on the characteristics and photocatalytic activity of TiO ₂ /purified diatomite composite photocatalysts. <i>Applied Surface Science</i> , 2014, 314, 251-259.	6.1	59
34	In situ generated g-C ₃ N ₄ /TiO ₂ hybrid over diatomite supports for enhanced photodegradation of dye pollutants. <i>Materials and Design</i> , 2016, 94, 403-409.	7.0	59
35	Structures of nonionic surfactant modified montmorillonites and their enhanced adsorption capacities towards a cationic organic dye. <i>Applied Clay Science</i> , 2017, 148, 1-10.	5.2	59
36	Fast and lasting electron transfer between ¹³ FeOOH and g-C ₃ N ₄ /kaolinite containing N vacancies for enhanced visible-light-assisted peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2022, 429, 132374.	12.7	59

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37	Enhanced visible-light photocatalytic activity of kaolinite/g-C ₃ N ₄ composite synthesized via mechanochemical treatment. <i>Applied Clay Science</i> , 2016, 129, 7-14.	5.2	58
38	Simultaneous adsorption of aflatoxin B1 and zearalenone by mono- and di-alkyl cationic surfactants modified montmorillonites. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 67-76.	9.4	58
39	Evaluation of nonionic surfactant modified montmorillonite as mycotoxins adsorbent for aflatoxin B1 and zearalenone. <i>Journal of Colloid and Interface Science</i> , 2018, 518, 48-56.	9.4	57
40	A review of clay based photocatalysts: Role of phyllosilicate mineral in interfacial assembly, microstructure control and performance regulation. <i>Chemosphere</i> , 2021, 273, 129723.	8.2	57
41	Effects of properties of minerals adsorbents for the adsorption and desorption of volatile organic compounds (VOC). <i>Applied Clay Science</i> , 2019, 173, 88-96.	5.2	56
42	Construction of BiOCl/g-C ₃ N ₄ /kaolinite composite and its enhanced photocatalysis performance under visible-light irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 84, 203-211.	5.3	55
43	XRD, TEM, and thermal analysis of Arizona Ca-montmorillonites modified with didodecyldimethylammonium bromide. <i>Journal of Colloid and Interface Science</i> , 2013, 408, 75-81.	9.4	53
44	Facile synthesis of two clay minerals supported graphitic carbon nitride composites as highly efficient visible-light-driven photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 268-276.	9.4	53
45	Simultaneous detoxification of polar aflatoxin B1 and weak polar zearalenone from simulated gastrointestinal tract by zwitterionic montmorillonites. <i>Journal of Hazardous Materials</i> , 2019, 364, 227-237.	12.4	52
46	Synthesis of a novel illite@carbon nanocomposite adsorbent for removal of Cr(VI) from wastewater. <i>Journal of Environmental Sciences</i> , 2017, 57, 62-71.	6.1	51
47	Removal characteristics of ammonium nitrogen from wastewater by modified Ca-bentonites. <i>Applied Clay Science</i> , 2015, 107, 46-51.	5.2	49
48	Synthesis of BiOCl/TiO ₂ @zeolite composite with enhanced visible light photoactivity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 81, 435-444.	5.3	49
49	A review of the synthesis and application of zeolites from coal-based solid wastes. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 1-21.	4.9	48
50	Mechanism of zeolite X crystallization from diatomite. <i>Materials Research Bulletin</i> , 2018, 107, 132-138.	5.2	47
51	Ternary structural assembly of BiOCl/TiO ₂ /clinoptilolite composite: Study of coupled mechanism and photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 143-154.	9.4	44
52	Clinoptilolite mediated activation of peroxymonosulfate through spherical dispersion and oriented array of NiFe ₂ O ₄ : Upgrading synergy and performance. <i>Journal of Hazardous Materials</i> , 2021, 407, 124736.	12.4	44
53	One-Step Hydrothermal Synthesis of Zeolite X Powder from Natural Low-Grade Diatomite. <i>Materials</i> , 2018, 11, 906.	2.9	42
54	New Late Cretaceous paleomagnetic data from volcanic rocks and red beds from the Lhasa terrane and its implications for the paleolatitude of the southern margin of Asia prior to the collision with India. <i>Gondwana Research</i> , 2017, 41, 337-351.	6.0	41

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55	The influence of carriers on the structure and photocatalytic activity of TiO ₂ /diatomite composite photocatalysts. <i>Advanced Powder Technology</i> , 2015, 26, 595-601.	4.1	40
56	Enhanced visible-light-assisted peroxymonosulfate activation over MnFe ₂ O ₄ modified g-C ₃ N ₄ /diatomite composite for bisphenol A degradation. <i>International Journal of Mining Science and Technology</i> , 2021, 31, 1169-1179.	10.3	38
57	Efficient catalytic degradation of bisphenol A coordinated with peroxymonosulfate via anchoring monodispersed zero-valent iron on natural kaolinite. <i>Chemical Engineering Journal</i> , 2022, 448, 137746.	12.7	38
58	Study on preparation and thermal energy storage properties of binary paraffin blends/opal shape-stabilized phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 400-407.	6.2	37
59	Preparation and characterization of TiO ₂ /acid leached serpentinite tailings composites and their photocatalytic reduction of Chromium(VI). <i>Journal of Colloid and Interface Science</i> , 2013, 404, 102-109.	9.4	37
60	Removal of herbicides from aqueous solutions by modified forms of montmorillonite. <i>Journal of Colloid and Interface Science</i> , 2014, 415, 127-132.	9.4	37
61	Facile fabrication of g-C ₃ N ₄ /precipitated silica composite with enhanced visible-light photoactivity for the degradation of rhodamine B and Congo red. <i>Advanced Powder Technology</i> , 2016, 27, 2051-2060.	4.1	37
62	Preparation and characterization of novel diatomite/ground calcium carbonate composite humidity control material. <i>Advanced Powder Technology</i> , 2017, 28, 1372-1381.	4.1	37
63	The preparation of bifunctional electrospun air filtration membranes by introducing attapulgite for the efficient capturing of ultrafine PMs and hazardous heavy metal ions. <i>Environmental Pollution</i> , 2019, 249, 851-859.	7.5	37
64	Insight into peroxymonosulfate assisted photocatalysis over Fe ₂ O ₃ modified TiO ₂ /diatomite composite for highly efficient removal of ciprofloxacin. <i>Separation and Purification Technology</i> , 2022, 293, 121123.	7.9	37
65	A comparative study about the influence of metal ions (Ce, La and V) doping on the solar-light-induced photodegradation toward rhodamine B. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1444-1451.	6.7	36
66	Investigations on organo-montmorillonites modified by binary nonionic/zwitterionic surfactant mixtures for simultaneous adsorption of aflatoxin B1 and zearalenone. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 11-22.	9.4	36
67	Hierarchical assembly of highly efficient visible-light-driven Ag/g-C ₃ N ₄ /kaolinite composite photocatalyst for the degradation of ibuprofen. <i>Journal of Materiomics</i> , 2020, 6, 582-592.	5.7	35
68	Thermal stability and hot-stage Raman spectroscopic study of Ca-montmorillonite modified with different surfactants: A comparative study. <i>Thermochimica Acta</i> , 2013, 569, 151-160.	2.7	34
69	Synthesis of BiOCl/TiO ₂ heterostructure composites and their enhanced photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1196-1204.	6.7	34
70	In-situ design of efficient hydroxylated SiO ₂ /g-C ₃ N ₄ composite photocatalyst: Synergistic effect of compounding and surface hydroxylation. <i>Chemical Engineering Journal</i> , 2021, 416, 129107.	12.7	34
71	Adsorption and photocatalytic degradation performances of TiO ₂ /diatomite composite for volatile organic compounds: Effects of key parameters. <i>Applied Surface Science</i> , 2020, 525, 146633.	6.1	32
72	Integrated adsorption and photocatalytic degradation of VOCs using a TiO ₂ /diatomite composite: effects of relative humidity and reaction atmosphere. <i>Catalysis Science and Technology</i> , 2020, 10, 2378-2388.	4.1	31

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73	Adsorption behaviors of aflatoxin B1 and zearalenone by organo-rectorite modified with quaternary ammonium salts. <i>Journal of Molecular Liquids</i> , 2018, 264, 645-651.	4.9	30
74	Tuning and controlling photocatalytic performance of TiO ₂ /kaolinite composite towards ciprofloxacin: Role of 0D/2D structural assembly. <i>Advanced Powder Technology</i> , 2020, 31, 1241-1252.	4.1	30
75	Rational design of efficient visible-light driven photocatalyst through 0D/2D structural assembly: Natural kaolinite supported monodispersed TiO ₂ with carbon regulation. <i>Chemical Engineering Journal</i> , 2020, 396, 125311.	12.7	29
76	Fabrication of a novel antibacterial TPU nanofiber membrane containing Cu-loaded zeolite and its antibacterial activity toward <i>Escherichia coli</i> . <i>Journal of Materials Science</i> , 2019, 54, 11682-11693.	3.7	28
77	Antimicrobial activity of X zeolite exchanged with Cu ²⁺ and Zn ²⁺ on <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 2782-2793.	5.3	28
78	Facile synthesis of nano-TiO ₂ /stillerite composite with efficient photocatalytic degradation of phenol. <i>Advanced Powder Technology</i> , 2018, 29, 1644-1654.	4.1	26
79	Diatomite supported nano zero valent iron with 3D network for peroxymonosulfate activation in efficient degradation of bisphenol A. <i>Journal of Materials Science and Technology</i> , 2021, 95, 57-69.	10.7	26
80	Electrical property and characterization of nano-SnO ₂ /wollastonite composite materials. <i>Materials Research Bulletin</i> , 2013, 48, 1013-1019.	5.2	25
81	Carboxyl-rich carbon nanocomposite based on natural diatomite as adsorbent for efficient removal of Cr (VI). <i>Journal of Materials Research and Technology</i> , 2020, 9, 948-959.	5.8	25
82	Surface modification of calcium carbonate: A review of theories, methods and applications. <i>Journal of Central South University</i> , 2021, 28, 2589-2611.	3.0	23
83	Investigation on the film-coating mechanism of alumina-coated rutile TiO ₂ and its dispersion stability. <i>Advanced Powder Technology</i> , 2017, 28, 1982-1988.	4.1	21
84	Fabrication of Novel Cyanuric Acid Modified g-C ₃ N ₄ /Kaolinite Composite with Enhanced Visible Light-Driven Photocatalytic Activity. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 437.	2.0	21
85	Synthesis and humidity control performances of natural opoka based porous calcium silicate hydrate. <i>Advanced Powder Technology</i> , 2019, 30, 2733-2741.	4.1	21
86	Mesoporous MCM-41 derived from natural Opoka and its application for organic vapors removal. <i>Journal of Hazardous Materials</i> , 2021, 408, 124911.	12.4	21
87	A comparative study of different diatomite-supported TiO ₂ composites and their photocatalytic performance for dye degradation. <i>Desalination and Water Treatment</i> , 2016, 57, 17512-17522.	1.0	19
88	Adsorptive and photocatalytic behaviour of PANI/TiO ₂ /metakaolin composites for the removal of xanthate from aqueous solution. <i>Minerals Engineering</i> , 2021, 171, 107129.	4.3	19
89	Design and controllable preparation of Bi ₂ MoO ₆ /attapulgite photocatalyst for the removal of tetracycline and formaldehyde. <i>Applied Clay Science</i> , 2021, 215, 106319.	5.2	19
90	Oxygen functionalized carbon nanocomposite derived from natural illite as adsorbent for removal of cationic and anionic dyes. <i>Advanced Powder Technology</i> , 2017, 28, 1943-1953.	4.1	18

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91	Synthesis and Enhanced Solar Light Photocatalytic Activity of a C/N Co-Doped TiO ₂ /Diatomite Composite with Exposed (001) Facets. <i>Australian Journal of Chemistry</i> , 2018, 71, 315.	0.9	18
92	Surface Functionalization of Montmorillonite with Chitosan and the Role of Surface Properties on Its Adsorptive Performance: A Comparative Study on Mycotoxins Adsorption. <i>Langmuir</i> , 2020, 36, 2601-2611.	3.5	18
93	Synthesis and enhanced visible-light photocatalytic activity of wollastonite/g-C ₃ N ₄ composite. <i>Materials Research Bulletin</i> , 2017, 86, 186-193.	5.2	17
94	Facile Synthesis of Visible Light-Induced g-C ₃ N ₄ /Rectorite Composite for Efficient Photodegradation of Ciprofloxacin. <i>Materials</i> , 2018, 11, 2452.	2.9	17
95	Efficient removal of gaseous formaldehyde by amine-modified diatomite: a combined experimental and density functional theory study. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25130-25141.	5.3	17
96	Induced morphology orientation of $\hat{\pm}$ -FeOOH by kaolinite for enhancing peroxymonosulfate activation. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 494-505.	9.4	17
97	Hydrothermal fabrication of rectorite based biocomposite modified by chitosan derived carbon nanoparticles as efficient mycotoxins adsorbents. <i>Applied Clay Science</i> , 2020, 184, 105373.	5.2	16
98	Protrudent electron transfer channels on kaolinite modified iron oxide QDs/N vacancy graphitic carbon nitride driving superior catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2022, 436, 129244.	12.4	16
99	A novel rutile TiO ₂ /AlPO ₄ core-shell pigment with substantially suppressed photoactivity and enhanced dispersion stability. <i>Powder Technology</i> , 2020, 366, 537-545.	4.2	14
100	High-efficiency removal of gaseous HCHO by amine functionalized natural opoka. <i>Chemical Physics Letters</i> , 2019, 722, 32-38.	2.6	13
101	Diatomite-Metal-Organic Framework Composite with Hierarchical Pore Structures for Adsorption/Desorption of Hydrogen, Carbon Dioxide and Water Vapor. <i>Materials</i> , 2020, 13, 4700.	2.9	13
102	Facile synthesis and enhanced visible-light photoactivity of a g-C ₃ N ₄ /mullite composite. <i>RSC Advances</i> , 2016, 6, 91002-91011.	3.6	12
103	Influence of pore structure on humidity control performance of diatomite. <i>Science and Technology for the Built Environment</i> , 2017, 23, 1305-1313.	1.7	12
104	In situ synthesis of carbon @ diatomite nanocomposite adsorbent and its enhanced adsorption capability. <i>Particulate Science and Technology</i> , 2017, 35, 379-386.	2.1	11
105	Enhanced visible-light properties of TiO ₂ /diatomite composite over varied bismuth semiconductors modification for formaldehyde photodegradation: A comparative study. <i>Separation and Purification Technology</i> , 2022, 297, 121477.	7.9	11
106	Efficient removal of formaldehyde by diatomite decorated with BiOCl/TiO ₂ under visible-light irradiation: Effects of key preparation parameters. <i>Advanced Powder Technology</i> , 2021, 32, 4364-4372.	4.1	10
107	High adsorption selectivity of zeolite X in the binary ionic system of Cu(II) and Zn(II). <i>Journal of Porous Materials</i> , 2019, 26, 1197-1207.	2.6	9
108	Enhanced visible-light degradation performance toward gaseous formaldehyde using oxygen vacancy-rich TiO _{2-x} /TiO ₂ supported by natural diatomite. <i>Building and Environment</i> , 2022, 219, 109216.	6.9	9

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109	Functionalization of diatomite with glycine and amino silane for formaldehyde removal. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 356-367.	4.9	8
110	Hierarchical assembly of visible-light-driven Bi ₂ MoO ₆ /TiO ₂ /sepiolite composite for effective formaldehyde removal. <i>Applied Clay Science</i> , 2022, 227, 106590.	5.2	8
111	Design and synthesis of organic rectorite-based composite nanofiber membrane with enhanced adsorption performance for bisphenol A. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28860-28870.	5.3	6
112	Scrubbing and Inhibiting Coagulation Effect on the Purification of Natural Powder Quartz. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 140.	2.0	6
113	One-step synthesis of hierarchically porous hybrid TiO ₂ hollow spheres with high photocatalytic activity. <i>Frontiers of Materials Science</i> , 2016, 10, 15-22.	2.2	5
114	Study on pilot-scale centrifugal separator for low-grade diatomite purification using response surface methodology. <i>Particulate Science and Technology</i> , 2017, 35, 119-126.	2.1	5
115	Insights into effects and mechanism of pre-dispersant on surface morphologies of silica or alumina coated rutile TiO ₂ particles. <i>Chemical Physics Letters</i> , 2018, 699, 55-63.	2.6	5
116	EFFECT OF CALCINATION TEMPERATURE ON THE STRUCTURE OF CHITOSAN-MODIFIED MONTMORILLONITES AND THEIR ADSORPTION OF AFLATOXIN B1. <i>Clays and Clay Minerals</i> , 2019, 67, 357-366.	1.3	5
117	Deep insight into the reductive roasting treatment on iron removing from quartz. <i>Advanced Powder Technology</i> , 2021, 32, 4825-4832.	4.1	5
118	Synergistic effect of diatomite and Bi self-doping Bi ₂ MoO ₆ on visible light photodegradation of formaldehyde. <i>Microporous and Mesoporous Materials</i> , 2022, 339, 112003.	4.4	5
119	High-efficient mineralization of formaldehyde by three-dimensional "PIZZA"-like bismuth molybdate-titania/diatomite composite. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 713-724.	9.4	5
120	Preparation and Photocatalytic Performance of g-C ₃ N ₄ /N ₄ /Kaolinite Composite. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2016, 31, 929.	1.3	4
121	NH ₂ -grafting on micro/nano architecture designed PS/TPU@SiO ₂ electrospun microfiber membrane for adsorption of Cr(VI). , 0, 154, 82-91.		4
122	Visible-Light-Driven Catalytic Disinfection of Staphylococcus aureus Using Sandwich Structure g-C ₃ N ₄ /ZnO/Stellerite Hybrid Photocatalyst. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 957-967.	2.1	3
123	TiO ₂ /Kaolinite Photocatalytic Material of Fe ³⁺ ; Chemical Doping and Fe ₂ O ₃ ; Heat-Banding and its Mechanism Analysis. <i>Advanced Materials Research</i> , 0, 178, 324-329.	0.3	2
124	Effect of Salt in Aqueous Solution on the Swelling and Water-Retention Capacity of Bentonite. <i>Advanced Materials Research</i> , 0, 194-196, 2039-2045.	0.3	2
125	A novel stellerite-based photocatalytic composite and its enhanced disinfection application. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 182, 27-34.	3.8	2
126	Heating induced hierarchically mesoporous adsorbent derived from natural hydromagnesite for highly efficient defluoridation of water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 119-129.	5.3	1

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127	Preparation of tobermorite onto flux-calcinated diatomite surface and the adsorption properties and mechanism of methylene blue. , 0, 188, 247-256.		1
128	Insight into the defective sites of TiO ₂ /sepiolite composite on formaldehyde removal and H ₂ evolution. Materials Today Energy, 2022, 24, 100932.	4.7	1
129	Research and Application of Diatomite Laminar Film Separation Control System. Advanced Materials Research, 0, 524-527, 1054-1057.	0.3	0
130	Study on Preparation and Photocatalytic Activity of Nano-TiO ₂ /Precipitated Silica Composite Material. Applied Mechanics and Materials, 0, 320, 644-648.	0.2	0
131	Study on the Property of Silica Minerals Supported NanoTiO ₂ . Materials Science Forum, 2013, 743-744, 681-686.	0.3	0
132	Physical Modification of Bentonite on the Salt Resistance Capacity. Materials Science Forum, 0, 743-744, 687-691.	0.3	0