

Aiqin Wang

List of Publications by Year in descending order

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794
papers

67,034
citations

751

118
h-index

1206

226
g-index

816
all docs

816
docs citations

816
times ranked

46057
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of porous adsorbents from eco-friendly aqueous foam for high-efficient removal of cationic dyes and sustainable utilization assessment. <i>Journal of Environmental Sciences</i> , 2024, 137, 395-406.	6.3	10
2	Natural attapulgite supported nano-Ni catalysts for the efficient reductive amination of biomass-derived aldehydes and ketones. <i>Green Synthesis and Catalysis</i> , 2024, 5, 42-50.	7.7	2
3	Microvesicle-Embedded Solid-liquid Composite Coating for the Tribological Behavior Regulation and Long-Acting Lubrication. <i>ACS Applied Materials & Interfaces</i> , 2024, 16, 2774-2787.	8.2	0
4	Porous superabsorbent composites prepared from aqueous foam template and application evaluation. <i>Soft Matter</i> , 2024, 20, 1438-1446.	2.8	1
5	The preparation and properties of photocatalytic composites based on palygorskite/molybdenum disulfide. <i>AIP Advances</i> , 2024, 14, .	1.3	0
6	Green Fabrication of Porous Adsorbent with Structural Evolution of Mixed-Dimension Attapulgite Clay for Efficient Removal of Methylene Blue and Sustainable Utilization. , 2024, 1, 670-680.		0
7	Review on the effect of isomorphic replacement on the structure and application performance of typical clay minerals. <i>Progress in Natural Science: Materials International</i> , 2024, 34, 251-262.	4.5	1
8	The hemostatic performance and mechanism of palygorskite with structural regulate by oxalic acid gradient leaching. <i>Biomedical Materials (Bristol)</i> , 2024, 19, 035045.	3.4	1
9	Insight into hemostatic performance and mechanism of natural mixed-dimensional Attapulgite clay. <i>Biomaterials Advances</i> , 2024, 162, 213932.	4.5	0
10	Reconciling the monodispersity of bioinspired ZnO nanoparticles on palygorskite nanorods for a well-balanced antibacterial effect and biocompatibility. <i>Ceramics International</i> , 2024, , .	4.9	0
11	Super-hydrophobic ceramic membrane with dense and robust silane grafting for efficient water-in-oil emulsion separation. <i>Chemical Engineering Research and Design</i> , 2024, , .	5.6	0
12	Production of functional materials from clay minerals and plants for natural resource utilization and sustainable development. <i>Journal of Cleaner Production</i> , 2024, 474, 143586.	9.4	0
13	Strontium-Modified porous attapulgite composite hydrogel scaffold with advanced angiogenic and osteogenic potential for bone defect repair. <i>Composites Part A: Applied Science and Manufacturing</i> , 2024, 187, 108492.	7.7	0
14	Semi-coke-enhanced eco-friendly superabsorbent composites for agricultural application. <i>Polymer Bulletin</i> , 2023, 80, 569-588.	3.2	7
15	Fabrication porous adsorbents templated from aqueous foams using astragalus membranaceus and attapulgite as stabilizer for efficient removal of cationic dyes. <i>Journal of Environmental Sciences</i> , 2023, 127, 855-865.	6.3	18
16	Porous materials prepared from eco-friendly attapulgite and gallnut stabilized aqueous foam templates for high-efficient removal of organic pollutants. <i>Materials Today Sustainability</i> , 2023, 21, 100315.	4.2	5
17	Phyto-Mediated Controllable Synthesis of ZnO Clusters with Bactericidal Activity. <i>ACS Applied Bio Materials</i> , 2023, 6, 277-287.	4.7	5
18	MoS ₂ /PDA@Cu composite as a peroxidase-mimicking enzyme with high-effect antibacterial and anticancer activity. <i>Biomaterials Science</i> , 2023, 11, 2898-2911.	5.5	9

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19	Phyto-mediated synthesis of Ag nanoparticles/attapulgite nanocomposites using olive leaf extract: Characterization, antibacterial activities and cytotoxicity. <i>Inorganic Chemistry Communication</i> , 2023, 151, 110543.	3.9	12
20	Incorporation of Ag NPs/palygorskite into chitosan/glycyrrhizic acid films as a potential antibacterial wound dressing. <i>Results in Materials</i> , 2023, 18, 100396.	1.9	2
21	Incorporation of clay minerals into magnesium phosphate bone cement for enhancing mechanical strength and bioactivity. <i>Biomedical Materials (Bristol)</i> , 2023, 18, 025002.	3.4	5
22	Self-cleaning catalytic membrane with super-wetting interface for high-efficiency oil-in-water emulsion separation. <i>Separation and Purification Technology</i> , 2023, 312, 123381.	8.0	12
23	Cleaner preparation of high blueness cobalt blue composite pigments using dolomite and kaolin tailing sand. <i>Journal of Cleaner Production</i> , 2023, 395, 136445.	9.4	1
24	Preparation of Hybrid Nanopigments with Excellent Environmental Stability, Antibacterial and Antioxidant Properties Based on Monascus Red and Sepiolite by One-Step Grinding Process. <i>Nanomaterials</i> , 2023, 13, 1792.	4.2	3
25	Attapulgite-based nanofiber membrane with oriented channels for high-efficiency oil-water separation. <i>Journal of Membrane Science</i> , 2023, 683, 121811.	8.2	8
26	Porous adsorbent prepared from eco-friendly aqueous foam templates and carbonized for soil remediation. <i>Journal of Cleaner Production</i> , 2023, 416, 137757.	9.4	4
27	Sustainable utilization of natural sands for cleaner preparation of high-performance nanostructured cobalt blue composite pigments by dolomite-induced mechanochemistry. <i>RSC Sustainability</i> , 2023, 1, 1278-1289.	0.0	0
28	Sustainable utilization metal ions of acid leaching clay wastewater to fabricate adsorbents for high-efficient removing Congo red and Methyl violet. <i>Chemical Engineering Research and Design</i> , 2023, 194, 854-868.	5.6	3
29	Resource utilization of spent metal ions from acid-leaching clay to fabricate adsorbents with antibacterial activity for removal of antibiotics. <i>Materials Today Sustainability</i> , 2023, 23, 100422.	4.2	1
30	Green synthesis of selenium/attapulgite nanocomposites and antibacterial activities evaluation. <i>Cleaner Materials</i> , 2023, 9, 100197.	5.1	3
31	Mechanochemical preparation of low cost kaolinite-based BiVO ₄ hybrid pigments with high near infrared reflectance. <i>Nanotechnology</i> , 2023, 34, 505710.	2.7	1
32	Effect of structural evolution of attapulgite on Pickering foam and fabrication of porous materials for removal methylene blue. <i>Chemical Engineering Journal</i> , 2023, 474, 145942.	12.8	2
33	Fabrication of porous adsorbent by quinoa husk stabilized foam templates for dye adsorption and carbonization for soil remediation. <i>Bioresource Technology</i> , 2023, 388, 129754.	9.6	7
34	Progress and future prospects of hemostatic materials based on nanostructured clay minerals. <i>Biomaterials Science</i> , 2023, 11, 7469-7488.	5.5	8
35	US LI-RADS Visualization Score: Interobserver Variability and Association With Cause of Liver Disease, Sex, and Body Mass Index. <i>Canadian Association of Radiologists Journal</i> , 2022, 73, 68-74.	2.1	7
36	Tuning the coordination environment of single-atom catalyst M-N-C towards selective hydrogenation of functionalized nitroarenes. <i>Nano Research</i> , 2022, 15, 519-527.	10.5	63

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37	Novel eco-friendly spherical porous adsorbent fabricated from Pickering middle internal phase emulsions for removal of Pb(II) and Cd (II). <i>Journal of Environmental Sciences</i> , 2022, 112, 320-330.	6.3	12
38	Synthesis, characterization, and swelling behaviors of sodium carboxymethyl cellulose-g-poly(acrylic acid) hydrogels. <i>Journal of Environmental Sciences</i> , 2022, 112, 331-340.	9.2	19
39	Recovering metal ions from oxalic acid leaching palygorskite-rich clay wastewater to fabricate layered mixed metal oxide/carbon composites for high-efficient removing Congo red. <i>Chemosphere</i> , 2022, 290, 132543.	8.3	10
40	Potential of oxalic acid leached natural palygorskite-rich clay as multidimensional nanofiller to improve polypropylene. <i>Powder Technology</i> , 2022, 396, 456-466.	4.3	14
41	Preparation and coloring mechanism of MAI ₂ O ₄ /CoAl ₂ O ₄ /quartz sand (M = Ca or Ba) composite pigments. <i>Materials Chemistry and Physics</i> , 2022, 276, 125413.	4.1	8
42	Facile fabrication of the porous adsorbent from natural plant <i>Angelica Sinensis</i> stabilized liquid foam for dye removal. <i>Green Chemical Engineering</i> , 2022, 3, 83-91.	6.8	6
43	Production of Copolyester Monomers from Plant-Based Acrylate and Acetaldehyde. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.6	1
44	Teaching kinematics via arduino based STEM education material. <i>Physics Education</i> , 2022, 57, 015010.	0.5	1
45	Preparation, characterization and performance evaluation of chitosan/palygorskite/glycyrrhizic acid nanocomposite films. <i>Applied Clay Science</i> , 2022, 216, 106322.	5.4	15
46	Dietary palygorskite-based antibacterial agent supplementation as an alternative to antibiotic improves growth performance, intestinal mucosal barrier function, and immunity in broiler chickens. <i>Poultry Science</i> , 2022, 101, 101640.	3.5	9
47	Synthesis of renewable alkylated decalins with <i>p</i> -quinone and 2-methyl-2,4-pentanediol. <i>Sustainable Energy and Fuels</i> , 2022, 6, 834-840.	4.8	9
48	Synthesis of jet fuel and diesel range cycloalkanes with 2-methylfuran and benzaldehyde. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1156-1163.	4.8	10
49	Calcined Oil Shale Semi-coke for Significantly Improved Performance Alginate-Based Film by Crosslinking with Ca ²⁺ . <i>Journal of Polymers and the Environment</i> , 2022, 30, 2405-2418.	5.0	4
50	Catalytic production of low-carbon footprint sustainable natural gas. <i>Nature Communications</i> , 2022, 13, 258.	13.0	34
51	Structural basis of BAK activation in mitochondrial apoptosis initiation. <i>Nature Communications</i> , 2022, 13, 250.	13.0	25
52	Synthesis of jet fuel range high-density polycycloalkanes with vanillin and cyclohexanone. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1616-1624.	4.8	6
53	Synthesis of jet fuel range polycyclic alkanes and aromatics from furfuryl alcohol and isoprene. <i>Green Chemistry</i> , 2022, 24, 3130-3136.	9.2	14
54	Mechanochemical synthesis of multifunctional kaolin@BVO hybrid pigments for coloring and reinforcing of acrylonitrile-butadiene-styrene. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.7	4

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55	Porous materials fabricated from Pickering foams stabilized by natural plant of <i>Angelica sinensis</i> for removal of Cd (II) and Cu (II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 128695.	4.8	11
56	Recent researches on antimicrobial nanocomposite and hybrid materials based on sepiolite and palygorskite. <i>Applied Clay Science</i> , 2022, 219, 106454.	5.4	40
57	From structure evolution of palygorskite to functional material: A review. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111765.	4.5	41
58	Preparation and Properties of Antibacterial Polyhexamethylene Biguanide/Palygorskite Composites as Zearalenone Adsorbents. <i>Clays and Clay Minerals</i> , 2022, 70, 182-195.	1.3	4
59	Facile Preparation of Organo-Modified ZnO/Attapulgite Nanocomposites Loaded with Monoammonium Glycyrrhizinate via Mechanical Milling and Their Synergistic Antibacterial Effect. <i>Minerals (Basel)</i> , 2022, 12, 10784314.	2.4	10
60	Efficient Synthesis of Pharmaceutical Intermediates from Biomass-Derived Aldehydes and Ketones over Robust Ni ₂ Al Nanocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5526-5537.	6.8	17
61	Study of bubble behavior in high-viscosity liquid in a pseudo-2D column using high-speed imaging. <i>Chemical Engineering Science</i> , 2022, 252, 117532.	3.9	5
62	Slow Release and Water Retention Performance of Poly(acrylic acid-co-acrylamide)/Fulvic Acid/Oil Shale Semicoke Superabsorbent Composites. <i>Polymers</i> , 2022, 14, 1719.	4.5	2
63	Synergy between Ru and WO ₃ Enables Efficient Hydrodeoxygenation of Primary Amides to Amines. <i>ACS Catalysis</i> , 2022, 12, 6302-6312.	11.5	22
64	Egyptian consensus on treat-to-target approach of gout: evidence-based clinical practice guidelines for the management of gout. <i>Egyptian Rheumatology and Rehabilitation</i> , 2022, 49, .	0.6	1
65	Preparation of pre-wetted underwater superoleophobic porous material from green water-based foam for oil-water separation. <i>Journal of Materials Science</i> , 2022, 57, 9172-9186.	3.7	8
66	Facile mechanochemical fabrication of hybrid pigments with allochroic, antibacterial and superhydrophobic properties based on organo-palygorskite and curcumin. <i>Dyes and Pigments</i> , 2022, 203, 110359.	3.9	4
67	Biomediated synthesis of ZnO quantum dots decorated attapulgite nanocomposites for improved antibacterial properties. <i>Green Processing and Synthesis</i> , 2022, 11, 582-594.	3.4	4
68	CaCO ₃ -assisted mechanochemical synthesis of low-cost and high-chroma cobalt blue composite pigments using kaolin tailing sand for ceramic coloring. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 112, 440-450.	5.9	4
69	Mechanochemical preparation of low-cost cobalt blue composite pigments with good color and acid resistance based on desert sands. <i>Ceramics International</i> , 2022, 48, 27182-27191.	4.9	6
70	Abstract 2297: Profound anti-tumor efficacy of dual CDK7 and PD1 blockade in novel syngeneic prostate cancer models. <i>Cancer Research</i> , 2022, 82, 2297-2297.	0.9	0
71	From the South Side of Chicago to Berkeley, California with Stops in Between. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4745-4753.	2.7	1
72	Eco-friendly superabsorbent composites based on calcined semicoke and polydimethylurea phosphate: Synthesis, swelling behavior, degradability and their impact on cabbage growth. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129439.	4.8	10

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73	Utilization of Sea Sand for Preparation of High-Performance CoAl ₂ O ₄ Composite Pigments via a Cleaner Mechanochemistry Route. ACS Sustainable Chemistry and Engineering, 2022, 10, 9553-9564.	6.8	3
74	Bioinspired copper single-atom nanozyme as a superoxide dismutase-like antioxidant for sepsis treatment. Exploration, 2022, 2, .	13.7	113
75	Structural Evolution of Palygorskite as the Nanocarrier of Silver Nanoparticles for Improving Antibacterial Activity. ACS Applied Bio Materials, 2022, 5, 3960-3971.	4.7	11
76	Green synthesized Se-ZnO/attapulgite nanocomposites using Aloe vera leaf extract: Characterization, antibacterial and antioxidant activities. LWT - Food Science and Technology, 2022, 165, 113762.	5.3	18
77	Preparation of efficient adsorbent with dual adsorption function based on semi-coke: Adsorption properties and mechanisms. Journal of Colloid and Interface Science, 2022, 626, 674-686.	9.5	14
78	Preparation and Antibacterial Properties of Carvacrol-loaded Composite Microcapsules via Palygorskite-Stabilized Pickering Emulsions. Clays and Clay Minerals, 2022, 70, 527-538.	1.3	2
79	Confinement and passivation of perovskite quantum dots in porous natural palygorskite toward an efficient and ultrastable light-harvesting system in water. Chemical Science, 2022, 13, 14141-14150.	7.7	6
80	Co ³⁺ -O-V ⁴⁺ cluster in CoVO _x nanorods for efficient and stable electrochemical oxygen evolution. Applied Catalysis B: Environmental, 2021, 282, 119571.	20.4	43
81	Insight into the piezo-photo coupling effect of PbTiO ₃ /CdS composites for piezo-photocatalytic hydrogen production. Applied Catalysis B: Environmental, 2021, 282, 119586.	20.4	223
82	Single-atom Pt promoted Mo ₂ C for electrochemical hydrogen evolution reaction. Journal of Energy Chemistry, 2021, 57, 371-377.	13.2	76
83	Removal of antibiotics from aqueous solution by using porous adsorbent templated from eco-friendly Pickering aqueous foams. Journal of Environmental Sciences, 2021, 102, 352-362.	6.3	29
84	MIL-53 (Al) derived single-atom Rh catalyst for the selective hydrogenation of m-chloronitrobenzene into m-chloroaniline. Chinese Journal of Catalysis, 2021, 42, 824-834.	14.4	11
85	Long-Term Warming Decreases Redox Capacity of Soil Organic Matter. Environmental Science and Technology Letters, 2021, 8, 92-97.	8.7	22
86	Synthesis of renewable aviation fuel additives with aromatic aldehydes and methyl isobutyl ketone under solvent-free conditions. Sustainable Energy and Fuels, 2021, 5, 556-563.	4.8	4
87	Removal of a cationic dye from aqueous solution by a porous adsorbent templated from eco-friendly Pickering MIPEs using chitosan-modified semi-coke particles. New Journal of Chemistry, 2021, 45, 3848-3856.	2.7	12
88	Synthesis of bio-based methylcyclopentadiene via direct hydrodeoxygenation of 3-methylcyclopent-2-enone derived from cellulose. Nature Communications, 2021, 12, 46.	13.0	30
89	Advanced Magnetic Adsorbents Prepared from Emulsion Template for Water Treatment. Environmental Chemistry for A Sustainable World, 2021, , 385-433.	0.0	1
90	Synthesis of renewable alkylated naphthalenes with benzaldehyde and angelica lactone. Green Chemistry, 2021, 23, 5474-5480.	9.2	1

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91	The transformations of a methylene-bridged bis-triazolium salt: a mesoionic carbene based metallogage and analogues of TCNE and NaCN. <i>Chemical Science</i> , 2021, 12, 3170-3178.	7.7	10
92	Embedding CsPbBr ₃ quantum dots into a pillar[5]arene-based supramolecular self-assembly for an efficient photocatalytic cross-coupling hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10180-10185.	10.4	27
93	Reversible Thermochromic Superhydrophobic BiVO ₄ Hybrid Pigments Coatings with Self-Cleaning Performance and Environmental Stability Based on Kaolinite. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3228-3236.	8.2	25
94	Fabrication of Anthocyanin/Montmorillonite Hybrid Pigments to Enhance Their Environmental Stability and Application in Allochroic Composite Films. <i>Clays and Clay Minerals</i> , 2021, 69, 142-151.	1.3	4
95	The high-efficiency synergistic and broad-spectrum antibacterial effect of cobalt doped zinc oxide quantum dots (Co-ZnO QDs) loaded cetyltributylphosphonium bromide (CTPB) modified MMT (C-MMT) nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126059.	4.8	7
96	Facile fabrication of a stable fluorescent yellow X-10GFF/palygorskite hybrid pigment via semi-dry grinding. <i>Clay Minerals</i> , 2021, 56, 37-45.	0.8	0
97	Synergistic effect of palygorskite nanorods and ion crosslinking to enhance sodium alginate-based hydrogels. <i>European Polymer Journal</i> , 2021, 147, 110306.	5.5	20
98	Cobalt-Doped Zinc Oxide Nanoparticle@MoS ₂ Nanosheet Composites as Broad-Spectrum Bactericidal Agents. <i>ACS Applied Nano Materials</i> , 2021, 4, 4361-4370.	5.1	21
99	Highly efficient Co single-atom catalyst for epoxidation of plant oils. <i>Journal of Chemical Physics</i> , 2021, 154, 131103.	3.0	7
100	Direct Synthesis of Methylcyclopentadiene with 2,5-Hexanedione over Zinc Molybdates. <i>ACS Catalysis</i> , 2021, 11, 4810-4820.	11.5	22
101	Effects of Dietary Palygorskite Supplementation on Cecal Microbial Community Structure and the Abundance of Antibiotic-Resistant Genes in Broiler Chickens Fed With Chlortetracycline. <i>Clays and Clay Minerals</i> , 2021, 69, 205-216.	1.3	3
102	Promoting the Effect of Au on the Selective Hydrogenolysis of Glycerol to 1,3-Propanediol over the Pt/WO _x /Al ₂ O ₃ Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5705-5715.	6.8	31
103	Recent advances in the potential applications of hollow kapok fiber-based functional materials. <i>Cellulose</i> , 2021, 28, 5269-5292.	5.0	35
104	Efficient Synthesis of Monomeric Fe Species in Zeolite ZSM-5 for the Low-Temperature Oxidation of Methane. <i>ChemCatChem</i> , 2021, 13, 2766-2770.	3.8	17
105	From the Waste Semicoke to Superabsorbent Composite: Synthesis, Characterization and Performance Evaluation. <i>Journal of Polymers and the Environment</i> , 2021, 29, 4017-4026.	5.0	8
106	Synthesis and application of eco-friendly superabsorbent composites based on xanthan gum and semi-coke. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 230-238.	7.6	21
107	Recent researches on natural pigments stabilized by clay minerals: A review. <i>Dyes and Pigments</i> , 2021, 190, 109322.	3.9	47
108	A comparative study on surface/interface mechanism and antibacterial properties of different hybrid materials prepared with essential oils active ingredients and palygorskite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 618, 126455.	4.8	19

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109	Highly selective and robust single-atom catalyst Ru ₁ /NC for reductive amination of aldehydes/ketones. <i>Nature Communications</i> , 2021, 12, 3295.	13.0	179
110	Perceptions of Support Among Transgender and Gender-Expansive Adolescents and Their Parents. <i>Journal of Adolescent Health</i> , 2021, 68, 1075-1081.	2.5	15
111	Fast and Highly Efficient Adsorption Removal of Toxic Pb(II) by a Reusable Porous Semi-IPN Hydrogel Based on Alginate and Poly(Vinyl Alcohol). <i>Frontiers in Chemistry</i> , 2021, 9, 662482.	3.7	12
112	Phosphorus coordinated Rh single-atom sites on nanodiamond as highly regioselective catalyst for hydroformylation of olefins. <i>Nature Communications</i> , 2021, 12, 4698.	13.0	89
113	Natural Anti-inflammatory Compounds as Drug Candidates in Alzheimer's Disease. <i>Current Medicinal Chemistry</i> , 2021, 28, 4799-4825.	2.4	41
114	Effectiveness evaluation of environmentally friendly stabilizers on remediation of Cd and Pb in agricultural soils by multi-scale experiments. <i>Journal of Cleaner Production</i> , 2021, 311, 127673.	9.4	19
115	A study on improving the antibacterial properties of palygorskite by using cobalt-doped zinc oxide nanoparticles. <i>Applied Clay Science</i> , 2021, 209, 106112.	5.4	16
116	Dynamic Behavior of Single-Atom Catalysts in Electrocatalysis: Identification of Cu-N ₃ as an Active Site for the Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2021, 143, 14530-14539.	14.5	274
117	Transcriptional landscape of cellular networks reveal interactions driving the dormancy mechanisms in cancer. <i>Scientific Reports</i> , 2021, 11, 15806.	3.4	6
118	Zeolite-Tailored Active Site Proximity for the Efficient Production of Pentanoic Biofuels. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23713-23721.	14.6	51
119	Zeolite-Tailored Active Site Proximity for the Efficient Production of Pentanoic Biofuels. <i>Angewandte Chemie</i> , 2021, 133, 23906-23914.	2.1	11
120	Mesoporous polymetallic silicate derived from naturally abundant mixed clay: A potential robust adsorbent for removal of cationic dye and antibiotic. <i>Powder Technology</i> , 2021, 390, 303-314.	4.3	40
121	Research on preparation and properties of a multifunctional superabsorbent based on semicoke and humic acid. <i>European Polymer Journal</i> , 2021, 159, 110750.	5.5	19
122	Multifunctional palygorskite@ZnO nanorods enhance simultaneously mechanical strength and antibacterial properties of chitosan-based film. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 668-677.	7.6	21
123	Direct synthesis of a jet fuel range dicycloalkane by the aqueous phase hydrodeoxygenation of polycarbonate. <i>Green Chemistry</i> , 2021, 23, 3693-3699.	9.2	19
124	Direct synthesis of a high-density aviation fuel using a polycarbonate. <i>Green Chemistry</i> , 2021, 23, 912-919.	9.2	21
125	Identifying key mononuclear Fe species for low-temperature methane oxidation. <i>Chemical Science</i> , 2021, 12, 3152-3160.	7.7	57
126	Size-Controlled Synthesis of CuO Nanoparticles by the Supercritical Antisolvent Method in SBA-15. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 129-136.	6.8	9

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127	Development of porous material via chitosan-based Pickering medium internal phase emulsion for efficient adsorption of Rb ⁺ , Cs ⁺ and Sr ²⁺ . <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1676-1684.	7.6	7
128	Synergistic Effect of Glycyrrhizic Acid and ZnO/Palygorskite on Improving Chitosan-Based Films and Their Potential Application in Wound Healing. <i>Polymers</i> , 2021, 13, 3878.	4.5	10
129	Palygorskite-Based Organic-Inorganic Hybrid Nanocomposite for Enhanced Antibacterial Activities. <i>Nanomaterials</i> , 2021, 11, 3230.	4.2	12
130	Incorporation of Different Metal Ion for Tuning Color and Enhancing Antioxidant Activity of Curcumin/Palygorskite Hybrid Materials. <i>Frontiers in Chemistry</i> , 2021, 9, 760941.	3.7	7
131	Selective Hydrogenation over Supported Metal Catalysts: From Nanoparticles to Single Atoms. <i>Chemical Reviews</i> , 2020, 120, 683-733.	50.5	993
132	The Exploration of Chirality for Improved Druggability within the Human Kinome. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 441-469.	6.6	32
133	Preparation of porous adsorbent via Pickering emulsion template for water treatment: A review. <i>Journal of Environmental Sciences</i> , 2020, 88, 217-236.	6.3	84
134	A sustainable approach to fabricate new 1D and 2D nanomaterials from natural abundant palygorskite clay for antibacterial and adsorption. <i>Chemical Engineering Journal</i> , 2020, 382, 122984.	12.8	87
135	Synergistic effect of chitosan and halloysite nanotubes on improving agar film properties. <i>Food Hydrocolloids</i> , 2020, 101, 105471.	10.8	45
136	A novel graphene aerogel synthesized from cellulose with high performance for removing MB in water. <i>Journal of Materials Science and Technology</i> , 2020, 41, 68-75.	10.7	37
137	Evaluation of palygorskite on pellet quality, growth, antioxidant status and mineral contents of Chinese mitten crabs (<i>Eriocheir sinensis</i>). <i>Aquaculture Research</i> , 2020, 51, 1446-1454.	1.8	2
138	On the mechanism of H ₂ activation over single-atom catalyst: An understanding of Pt ₁ /WO ₃ in the hydrogenolysis reaction. <i>Chinese Journal of Catalysis</i> , 2020, 41, 524-532.	14.4	53
139	Pd ₁ /CeO ₂ single-atom catalyst for alkoxy-carbonylation of aryl iodides. <i>Science China Materials</i> , 2020, 63, 959-964.	6.4	25
140	Significantly improve the water and chemicals resistance of alginate-based nanocomposite films by a simple in-situ surface coating approach. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 1297-1307.	7.6	22
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302	Synthesis of high-density aviation fuels with methyl benzaldehyde and cyclohexanone. <i>Green Chemistry</i> , 2018, 20, 3753-3760.	9.2	31
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313	ZnAl ₂ O ₄ -Hydrotalcite-Supported Au ₂₅ Nanoclusters as Precatalysts for Chemoselective Hydrogenation of 3-Nitrostyrene. <i>Angewandte Chemie</i> , 2017, 129, 2753-2757.	2.1	40
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344	Fabrication of stable glycine/palygorskite nanohybrid via high-pressure homogenization as high-efficient adsorbent for Cs(I) and methyl violet. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 997-1005.	5.3	8
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396	Synthesis of jet fuel range branched cycloalkanes with mesityl oxide and 2-methylfuran from lignocellulose. <i>Scientific Reports</i> , 2016, 6, 32379.	3.4	29

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398	Hydroformylation of Olefins by a Rhodium Single-Atom Catalyst with Activity Comparable to RhCl(PPh ₃) ₃ . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16054-16058.	14.6	419
399	Single atom gold catalysts for low-temperature CO oxidation. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1580-1586.	14.4	87
400	Tungsten Carbide: A Remarkably Efficient Catalyst for the Selective Cleavage of Lignin C-O Bonds. <i>ChemSusChem</i> , 2016, 9, 3220-3229.	7.4	75
401	Direct Catalytic Hydrogenolysis of Kraft Lignin to Phenols in Choline-Derived Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3850-3856.	6.8	56
402	An evaluation of palygorskite inclusion on the growth performance and digestive function of broilers. <i>Applied Clay Science</i> , 2016, 129, 1-6.	5.4	23
403	Theoretical investigations of non-noble metal single-atom catalysis: Ni ₁ /FeO _x for CO oxidation. <i>Catalysis Science and Technology</i> , 2016, 6, 6886-6892.	4.2	84
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406	Catalytically Active Rh Nanoclusters on TiO ₂ for CO Oxidation at Cryogenic Temperatures. <i>Angewandte Chemie</i> , 2016, 128, 2870-2874.	2.1	32
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408	From Maya blue to biomimetic pigments: durable biomimetic pigments with self-cleaning property. <i>Journal of Materials Chemistry A</i> , 2016, 4, 901-907.	10.4	75
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665	Synthesis and swelling characteristics of a pH-responsive guar gum-g-poly(sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.6	14
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669	Rapid removal of Pb(II) from aqueous solution by chitosan- <i>g</i> -poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667	2.3	16
670	Swelling Behavior of Guar Gum- <i>g</i> -Poly(Sodium Acrylate - <i>co</i> -Styrene)/Attapulgit Superabsorbent Composites. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 1847-1863.	1.0	9
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