

Jing Ouyang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Trimetallic FeCoNi@C Nanocomposite Hollow Spheres Derived from Metal-Organic Frameworks with Superior Electromagnetic Wave Absorption Ability. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39304-39314.	8.0	238
2	Applications and interfaces of halloysite nanocomposites. <i>Applied Clay Science</i> , 2016, 119, 8-17.	5.2	235
3	CuO nanoparticles encapsulated inside Al-MCM-41 mesoporous materials via direct synthetic route. <i>Scientific Reports</i> , 2014, 4, 3682.	3.3	165
4	Electrochemical synthesis and photocatalytic property of cuprous oxide nanoparticles. <i>Materials Research Bulletin</i> , 2006, 41, 1310-1318.	5.2	158
5	Perovskite LaFeO ₃ /montmorillonite nanocomposites: synthesis, interface characteristics and enhanced photocatalytic activity. <i>Scientific Reports</i> , 2016, 6, 19723.	3.3	157
6	Emerging Parallel Dual 2D Composites: Natural Clay Mineral Hybridizing MoS ₂ and Interfacial Structure. <i>Advanced Functional Materials</i> , 2016, 26, 2666-2675.	14.9	157
7	Palladium nanoparticles deposited on silanized halloysite nanotubes: synthesis, characterization and enhanced catalytic property. <i>Scientific Reports</i> , 2013, 3, 2948.	3.3	149
8	Chitosan modified halloysite nanotubes as emerging porous microspheres for drug carrier. <i>Applied Clay Science</i> , 2016, 126, 306-312.	5.2	134
9	From Natural Attapulgite to Mesoporous Materials: Methodology, Characterization and Structural Evolution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2390-2398.	2.6	132
10	Helical TiO ₂ Nanotube Arrays Modified by Cu ₂ O with Ultrahigh Sensitivity for the Nonenzymatic Electro-oxidation of Glucose. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12719-12730.	8.0	107
11	Degradation of Congo Red dye by a Fe ₂ O ₃ @CeO ₂ -ZrO ₂ /Palygorskite composite catalyst: Synergetic effects of Fe ₂ O ₃ . <i>Journal of Colloid and Interface Science</i> , 2019, 539, 135-145.	9.4	106
12	Solid-state synthesis and electrochemical property of SnO ₂ /NiO nanomaterials. <i>Journal of Alloys and Compounds</i> , 2008, 459, 98-102.	5.5	104
13	In situ loading of highly-dispersed CuO nanoparticles on hydroxyl-group-rich SiO ₂ -AlOOH composite nanosheets for CO catalytic oxidation. <i>Chemical Engineering Journal</i> , 2017, 316, 1035-1046.	12.7	104
14	Hierarchical MoS ₂ intercalated clay hybrid nanosheets with enhanced catalytic activity. <i>Nano Research</i> , 2017, 10, 570-583.	10.4	100
15	Natural halloysite nanotubes modified as an aspirin carrier. <i>RSC Advances</i> , 2014, 4, 44197-44202.	3.6	96
16	Stearic acid modified montmorillonite as emerging microcapsules for thermal energy storage. <i>Applied Clay Science</i> , 2017, 138, 100-106.	5.2	96
17	Kaolinite stabilized paraffin composite phase change materials for thermal energy storage. <i>Applied Clay Science</i> , 2015, 115, 212-220.	5.2	94
18	Lauric acid/modified sepiolite composite as a form-stable phase change material for thermal energy storage. <i>Applied Clay Science</i> , 2017, 146, 14-22.	5.2	94

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19	Single Step Synthesis of High-Purity CoO Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8006-8013.	2.6	88
20	Nanoclay-modulated oxygen vacancies of metal oxide. <i>Communications Chemistry</i> , 2019, 2, .	4.5	84
21	Metal oxide nanoparticles deposited onto carbon-coated halloysite nanotubes. <i>Applied Clay Science</i> , 2014, 95, 252-259.	5.2	81
22	Carbon hybridized halloysite nanotubes for high-performance hydrogen storage capacities. <i>Scientific Reports</i> , 2015, 5, 12429.	3.3	73
23	Novel synthesis and characterization of nanosized γ -Al ₂ O ₃ from kaolin. <i>Applied Clay Science</i> , 2010, 47, 438-443.	5.2	70
24	Precious-Metal Nanoparticles Anchored onto Functionalized Halloysite Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 5507-5514.	3.7	67
25	Enhanced performance and interfacial investigation of mineral-based composite phase change materials for thermal energy storage. <i>Scientific Reports</i> , 2013, 3, 1908.	3.3	64
26	Chemically modified kaolinite nanolayers for the removal of organic pollutants. <i>Applied Clay Science</i> , 2018, 157, 283-290.	5.2	64
27	High morphological stability and structural transition of halloysite (Hunan, China) in heat treatment. <i>Applied Clay Science</i> , 2014, 101, 16-22.	5.2	63
28	Highly dispersed sepiolite-based organic modified nanofibers for enhanced adsorption of Congo red. <i>Applied Clay Science</i> , 2018, 157, 76-85.	5.2	60
29	Enhancing dispersion of halloysite nanotubes via chemical modification. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 281-288.	0.8	58
30	Characterization and synergetic antibacterial properties of ZnO and CeO ₂ supported by halloysite. <i>Applied Surface Science</i> , 2017, 420, 833-838.	6.1	58
31	Amino-functionalized hierarchical porous SiO ₂ -AlOOH composite nanosheets with enhanced adsorption performance. <i>Journal of Hazardous Materials</i> , 2018, 344, 1090-1100.	12.4	58
32	Radical guided selective loading of silver nanoparticles at interior lumen and out surface of halloysite nanotubes. <i>Materials and Design</i> , 2016, 110, 169-178.	7.0	56
33	Assembling strategy to synthesize palladium modified kaolin nanocomposites with different morphologies. <i>Scientific Reports</i> , 2015, 5, 13763.	3.3	50
34	Textural properties determined CO ₂ capture of tetraethylenepentamine loaded SiO ₂ nanowires from γ -sepiolite. <i>Chemical Engineering Journal</i> , 2018, 337, 342-350.	12.7	50
35	Fe ₂ O ₃ nanoparticles anchored on 2D kaolinite with enhanced antibacterial activity. <i>Chemical Communications</i> , 2017, 53, 6255-6258.	4.1	48
36	Pd Nanoparticles and MOFs Synergistically Hybridized Halloysite Nanotubes for Hydrogen Storage. <i>Nanoscale Research Letters</i> , 2017, 12, 240.	5.7	47

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37	PANI/BaFe12O19@Halloysite ternary composites as novel microwave absorbent. Journal of Colloid and Interface Science, 2021, 582, 137-148.	9.4	47
38	Synthesis and catalytic activity of doped TiO ₂ -palygorskite composites. Applied Clay Science, 2011, 53, 80-84.	5.2	46
39	Investigation of the Oxygen Exchange Property and Oxygen Storage Capacity of Ce _x Zr _{1-x} O ₂ Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 6921-6928.	3.1	45
40	Lithium orthosilicate with halloysite as silicon source for high temperature CO ₂ capture. RSC Advances, 2016, 6, 44106-44112.	3.6	44
41	Silver nanoparticles assembled on modified sepiolite nanofibers for enhanced catalytic reduction of 4-nitrophenol. Applied Clay Science, 2018, 166, 166-173.	5.2	42
42	Halloysite nanotubes as hydrogen storage materials. Physics and Chemistry of Minerals, 2014, 41, 323-331.	0.8	41
43	Acid-hybridized expanded perlite as a composite phase-change material in wallboards. RSC Advances, 2015, 5, 66134-66140.	3.6	40
44	Polyethyleneimine (PEI) loaded MgO-SiO ₂ nanofibers from sepiolite minerals for reusable CO ₂ capture/release applications. Applied Clay Science, 2018, 152, 267-275.	5.2	40
45	Synthesis and characterization of nesquehonite (MgCO ₃ ·3H ₂ O) powders from natural talc. Powder Technology, 2016, 292, 169-175.	4.2	39
46	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.	2.0	39
47	An emerging mineral-based composite flame retardant coating: Preparation and enhanced fireproof performance. Surface and Coatings Technology, 2019, 367, 118-126.	4.8	39
48	Preparation, photo-catalytic activity of cuprous oxide nano-crystallites with different sizes. Journal of Alloys and Compounds, 2008, 457, 447-451.	5.5	38
49	Tungsten tailing powders activated for use as cementitious material. Powder Technology, 2015, 286, 678-683.	4.2	35
50	Three-way catalytic performances of Pd loaded halloysite-Ce _{0.5} Zr _{0.5} O ₂ hybrid materials. Applied Clay Science, 2016, 121-122, 63-70.	5.2	35
51	CO ₂ capturing performances of millimeter scale beads made by tetraethylenepentamine loaded ultra-fine palygorskite powders from jet pulverization. Chemical Engineering Journal, 2018, 341, 432-440.	12.7	35
52	Large-scale synthesis of sub-micro sized halloysite-composed CZA with enhanced catalysis performances. Applied Clay Science, 2018, 152, 221-229.	5.2	35
53	Mesoporous material Al-MCM-41 from natural halloysite. Physics and Chemistry of Minerals, 2014, 41, 497-503.	0.8	33
54	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.	4.9	33

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55	Surface hydroxyls mediated CO ₂ methanation at ambient pressure over attapulgite-loaded Ni-TiO ₂ composite catalysts with high activity and reuse ability. <i>Journal of CO₂ Utilization</i> , 2021, 47, 101489.	6.8	30
56	CO ₂ mineral sequestration by wollastonite carbonation. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 489-496.	0.8	29
57	Insight into the effect of crystallographic structure on thermal conductivity of kaolinite nanoclay. <i>Applied Clay Science</i> , 2019, 173, 12-18.	5.2	29
58	One-step synthesis of highly ordered Pt/MCM-41 from natural diatomite and the superior capacity in hydrogen storage. <i>Applied Clay Science</i> , 2014, 99, 246-253.	5.2	27
59	Sepiolite supported stearic acid composites for thermal energy storage. <i>RSC Advances</i> , 2016, 6, 112493-112501.	3.6	27
60	Synthesis and Characterization of Modified BiOCl and Their Application in Adsorption of Low-Concentration Dyes from Aqueous Solution. <i>Nanoscale Research Letters</i> , 2018, 13, 69.	5.7	27
61	Synthesis and optical properties of yttria-doped ZrO ₂ nanopowders. <i>Journal of Alloys and Compounds</i> , 2008, 458, 474-478.	5.5	26
62	Synthesis and characterization of Sb-SnO ₂ /kaolinites nanoparticles. <i>Applied Clay Science</i> , 2012, 55, 151-157.	5.2	26
63	Modified wollastonite sequestering CO ₂ and exploratory application of the carbonation products. <i>RSC Advances</i> , 2016, 6, 78090-78099.	3.6	26
64	Effect of Basalt Fibers for Reinforcing Resin-Based Brake Composites. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 490.	2.0	26
65	Mineral carbonation of a desulfurization residue for CO ₂ sequestration. <i>RSC Advances</i> , 2015, 5, 67184-67194.	3.6	25
66	Shape controlled synthesis and optical properties of Cu ₂ O micro-spheres and octahedrons. <i>Materials and Design</i> , 2016, 92, 261-267.	7.0	24
67	Textual properties and catalytic performances of halloysite hybrid CeO ₂ -ZrO ₂ nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 430-436.	9.4	24
68	Surface redox characters and synergetic catalytic properties of macroporous ceria-zirconia solid solutions. <i>Journal of Hazardous Materials</i> , 2019, 366, 54-64.	12.4	23
69	3D ordered macro-mesoporous indium doped Al ₂ O ₃ . <i>CrystEngComm</i> , 2013, 15, 6046.	2.6	21
70	Microwave-assisted synthesis and interfacial features of CdS/kaolinite nanocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 72-79.	4.7	21
71	Novel sensible thermal storage material from natural minerals. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 681-689.	0.8	20
72	Multiple polarization loss and permittivity adjusting of halloysite/BN Co-doped carbon/cobalt composites. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 509-518.	9.4	19

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73	Solvothermal synthesis and optical properties of Mn ²⁺ -doped SrTiO ₃ powders. Journal of Alloys and Compounds, 2009, 485, 351-355.	5.5	17
74	Surface modified halloysite nanotubes with different lumen diameters as drug carriers for cancer therapy. Chemical Communications, 2021, 57, 9470-9473.	4.1	17
75	Mechanochemical synthesis of Ni(OH) ₂ and the decomposition to NiO nanoparticles: Thermodynamic and optical spectra. Journal of Alloys and Compounds, 2014, 600, 204-209.	5.5	15
76	Lauric Acid Hybridizing Fly Ash Composite for Thermal Energy Storage. Minerals (Basel, Switzerland), 2018, 8, 161.	2.0	13
77	Effective CO ₂ methanation at ambient pressure over Lanthanides (La/Ce/Pr/Sm) modified cobalt-palygorskite composites. Journal of CO ₂ Utilization, 2022, 63, 102114.	6.8	13
78	Surface status and reduction behavior of porous ceria (CeO ₂) via amended EISA method. Journal of Alloys and Compounds, 2014, 606, 236-241.	5.5	12
79	Phase and optical properties of solvothermal prepared Sm ₂ O ₃ doped ZrO ₂ nanoparticles: The effect of oxygen vacancy. Journal of Alloys and Compounds, 2016, 682, 654-662.	5.5	12
80	Surface-modified sepiolite fibers for reinforcing resin brake composites. Materials Express, 2017, 7, 104-112.	0.5	12
81	Selective Fabrication of Barium Carbonate Nanoparticles in the Lumen of Halloysite Nanotubes. Minerals (Basel, Switzerland), 2018, 8, 296.	2.0	11
82	Interfacial characteristics between mineral fillers and phenolic resin in friction materials. Materials Express, 2020, 10, 70-80.	0.5	11
83	Electrospinning with a spindle-knot structure for effective PM _{2.5} capture. Science China Materials, 2021, 64, 1278-1290.	6.3	11
84	A complex and de-complex strategy to ordered mesoporous Ce _{0.5} Zr _{0.5} O ₂ with comprehensive pilot scale performances. Materials Chemistry and Physics, 2014, 147, 1009-1015.	4.0	10
85	CeO ₂ /CuO/3DOM SiO ₂ catalysts with very high efficiency and stability for CO oxidation. Materials Advances, 2022, 3, 232-244.	5.4	10
86	Enhanced reduction properties of mesostructured Ce _{0.5} Zr _{0.5} O ₂ solid solutions. Materials Chemistry and Physics, 2013, 140, 294-299.	4.0	8
87	Fabrication and Conductive Performance of Antimony-Doped Tin Oxide-Coated Halloysite Nanotubes. Nano, 2015, 10, 1550078.	1.0	8
88	Morphological evolution of hierarchical Bi ₂ Se ₃ /BiOBr nanostructures and enhanced activity for p-nitrophenol reduction by NaBH ₄ . CrystEngComm, 2017, 19, 4824-4831.	2.6	8
89	Interfacial multi-reflection in barium ferrite nanosheets/ amorphous carbon nanotube composites for effective electromagnetic shielding applications. Materials Chemistry and Physics, 2021, 267, 124606.	4.0	8
90	Eu ₂ O ₃ -functionalized ZnO/palygorskite. RSC Advances, 2013, 3, 20385.	3.6	7

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91	Light-weight FeCo/CNTs/HNTs triple-phase magnetic composites for high-performance microwave absorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129121.	4.7	6
92	Rapid synthesis of barium titanate microcubes using composite-hydroxides-mediated avenue. <i>Materials Research Bulletin</i> , 2014, 52, 108-111.	5.2	5
93	Effective CO ₂ methanation over site-specified ruthenium nanoparticles loaded on TiO ₂ /palygorskite nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 703-709.	9.4	4
94	CO ₂ fixation mechanism of kaolin treated with organic amines at varied temperatures and pressure. <i>Applied Clay Science</i> , 2022, 228, 106638.	5.2	4
95	Novel Preparation and Characterization of Barium Strontium Titanate Microcubes. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3342-3348.	3.8	2
96	Mechanochemical Processing of Ultrafine Steel Slag Powders. <i>Advanced Materials Research</i> , 0, 763, 211-215.	0.3	2
97	Construction of Mesoporous Ce _{0.5} Zr _{0.5} O ₂ from Different Gemini and Cetyltrimethylammonium Bromide Surfactants. <i>Science of Advanced Materials</i> , 2015, 7, 199-210.	0.7	2
98	Effect of Oxygen Vacancy on the Optical Properties of Porous Zirconia. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2011, 27, 2900-2906.	4.9	1