

Jing Ouyang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	CeO ₂ /CuO/3DOM SiO ₂ catalysts with very high efficiency and stability for CO oxidation. <i>Materials Advances</i> , 2022, 3, 232-244.	5.4	10
2	Review of the fabrication and application of porous materials from silicon-rich industrial solid waste. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 424-438.	4.9	33
3	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
4	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
5	Effective CO ₂ methanation at ambient pressure over Lanthanides (La/Ce/Pr/Sm) modified cobalt-palygorskite composites. <i>Journal of CO₂ Utilization</i> , 2022, 63, 102114.	6.8	13
6	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
7	PANI/BaFe ₁₂ O ₁₉ @Halloysite ternary composites as novel microwave absorbent. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 137-148.	9.4	47
8	Surface modified halloysite nanotubes with different lumen diameters as drug carriers for cancer therapy. <i>Chemical Communications</i> , 2021, 57, 9470-9473.	4.1	17
9	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
10	Interfacial multi-reflection in barium ferrite nanosheets/ amorphous carbon nanotube composites for effective electromagnetic shielding applications. <i>Materials Chemistry and Physics</i> , 2021, 267, 124606.	4.0	8
11	Electrospinning with a spindle-knot structure for effective PM _{2.5} capture. <i>Science China Materials</i> , 2021, 64, 1278-1290.	6.3	11
12	Effect of Basalt Fibers for Reinforcing Resin-Based Brake Composites. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 490.	2.0	26
13	Interfacial characteristics between mineral fillers and phenolic resin in friction materials. <i>Materials Express</i> , 2020, 10, 70-80.	0.5	11
14	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
15	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
16	Nanoclay-modulated oxygen vacancies of metal oxide. <i>Communications Chemistry</i> , 2019, 2, .	4.5	84
17	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
18	An emerging mineral-based composite flame retardant coating: Preparation and enhanced fireproof performance. <i>Surface and Coatings Technology</i> , 2019, 367, 118-126.	4.8	39

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19	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
20	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
21	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
22	CO ₂ capturing performances of millimeter scale beads made by tetraethylenepentamine loaded ultra-fine palygorskite powders from jet pulverization. <i>Chemical Engineering Journal</i> , 2018, 341, 432-440.	12.7	35
23	Textural properties determined CO ₂ capture of tetraethylenepentamine loaded SiO ₂ nanowires from β -sepiolite. <i>Chemical Engineering Journal</i> , 2018, 337, 342-350.	12.7	50
24	Chemically modified kaolinite nanolayers for the removal of organic pollutants. <i>Applied Clay Science</i> , 2018, 157, 283-290.	5.2	64
25	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
26	Large-scale synthesis of sub-micro sized halloysite-composed CZA with enhanced catalysis performances. <i>Applied Clay Science</i> , 2018, 152, 221-229.	5.2	35
27	Polyethyleneimine (PEI) loaded MgO-SiO ₂ nanofibers from sepiolite minerals for reusable CO ₂ capture/release applications. <i>Applied Clay Science</i> , 2018, 152, 267-275.	5.2	40
28	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
29	Silver nanoparticles assembled on modified sepiolite nanofibers for enhanced catalytic reduction of 4-nitrophenol. <i>Applied Clay Science</i> , 2018, 166, 166-173.	5.2	42
30	Selective Fabrication of Barium Carbonate Nanoparticles in the Lumen of Halloysite Nanotubes. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 296.	2.0	11
31	Mineralogy and Physico-Chemical Data of Two Newly Discovered Halloysite in China and Their Contrasts with Some Typical Minerals. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 108.	2.0	39
32	Lauric Acid Hybridizing Fly Ash Composite for Thermal Energy Storage. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 161.	2.0	13
33	Stearic acid modified montmorillonite as emerging microcapsules for thermal energy storage. <i>Applied Clay Science</i> , 2017, 138, 100-106.	5.2	96
34	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
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	Surface-modified sepiolite fibers for reinforcing resin brake composites. <i>Materials Express</i> , 2017, 7, 104-112.	0.5	12

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37	Characterization and synergetic antibacterial properties of ZnO and CeO ₂ supported by halloysite. Applied Surface Science, 2017, 420, 833-838.	6.1	58
38	Lauric acid/modified sepiolite composite as a form-stable phase change material for thermal energy storage. Applied Clay Science, 2017, 146, 14-22.	5.2	94
39	Pd Nanoparticles and MOFs Synergistically Hybridized Halloysite Nanotubes for Hydrogen Storage. Nanoscale Research Letters, 2017, 12, 240.	5.7	47
40	Hierarchical MoS ₂ intercalated clay hybrid nanosheets with enhanced catalytic activity. Nano Research, 2017, 10, 570-583.	10.4	100
41	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
42	Textual properties and catalytic performances of halloysite hybrid CeO ₂ -ZrO ₂ nanoparticles. Journal of Colloid and Interface Science, 2017, 505, 430-436.	9.4	24
43	Sepiolite supported stearic acid composites for thermal energy storage. RSC Advances, 2016, 6, 112493-112501.	3.6	27
44	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
45	Chitosan modified halloysite nanotubes as emerging porous microspheres for drug carrier. Applied Clay Science, 2016, 126, 306-312.	5.2	134
46	Radical guided selective loading of silver nanoparticles at interior lumen and out surface of halloysite nanotubes. Materials and Design, 2016, 110, 169-178.	7.0	56
47	Modified wollastonite sequestering CO ₂ and exploratory application of the carbonation products. RSC Advances, 2016, 6, 78090-78099.	3.6	26
48	Lithium orthosilicate with halloysite as silicon source for high temperature CO ₂ capture. RSC Advances, 2016, 6, 44106-44112.	3.6	44
49	Perovskite LaFeO ₃ /montmorillonite nanocomposites: synthesis, interface characteristics and enhanced photocatalytic activity. Scientific Reports, 2016, 6, 19723.	3.3	157
50	Emerging Parallel Dual 2D Composites: Natural Clay Mineral Hybridizing MoS ₂ and Interfacial Structure. Advanced Functional Materials, 2016, 26, 2666-2675.	14.9	157
51	Shape controlled synthesis and optical properties of Cu ₂ O micro-spheres and octahedrons. Materials and Design, 2016, 92, 261-267.	7.0	24
52	Synthesis and characterization of nesquehonite (MgCO ₃ ·3H ₂ O) powders from natural talc. Powder Technology, 2016, 292, 169-175.	4.2	39
53	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
54	Applications and interfaces of halloysite nanocomposites. Applied Clay Science, 2016, 119, 8-17.	5.2	235

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55	Assembling strategy to synthesize palladium modified kaolin nanocomposites with different morphologies. <i>Scientific Reports</i> , 2015, 5, 13763.	3.3	50
56	Tungsten tailing powders activated for use as cementitious material. <i>Powder Technology</i> , 2015, 286, 678-683.	4.2	35
57	Carbon hybridized halloysite nanotubes for high-performance hydrogen storage capacities. <i>Scientific Reports</i> , 2015, 5, 12429.	3.3	73
58	Helical TiO ₂ Nanotube Arrays Modified by Cu ²⁺ with Ultrahigh Sensitivity for the Nonenzymatic Electro-oxidation of Glucose. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12719-12730.	8.0	107
59	Fabrication and Conductive Performance of Antimony-Doped Tin Oxide-Coated Halloysite Nanotubes. <i>Nano</i> , 2015, 10, 1550078.	1.0	8
60	Acid-hybridized expanded perlite as a composite phase-change material in wallboards. <i>RSC Advances</i> , 2015, 5, 66134-66140.	3.6	40
61	Mineral carbonation of a desulfurization residue for CO ₂ sequestration. <i>RSC Advances</i> , 2015, 5, 67184-67194.	3.6	25
62	Kaolinite stabilized paraffin composite phase change materials for thermal energy storage. <i>Applied Clay Science</i> , 2015, 115, 212-220.	5.2	94
63	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
64	Rapid synthesis of barium titanate microcubes using composite-hydroxides-mediated avenue. <i>Materials Research Bulletin</i> , 2014, 52, 108-111.	5.2	5
65	Surface status and reduction behavior of porous ceria (CeO ₂) via amended EISA method. <i>Journal of Alloys and Compounds</i> , 2014, 606, 236-241.	5.5	12
66	Halloysite nanotubes as hydrogen storage materials. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 323-331.	0.8	41
67	Enhancing dispersion of halloysite nanotubes via chemical modification. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 281-288.	0.8	58
68	CO ₂ mineral sequestration by wollastonite carbonation. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 489-496.	0.8	29
69	Mechanochemical synthesis of Ni(OH) ₂ and the decomposition to NiO nanoparticles: Thermodynamic and optical spectra. <i>Journal of Alloys and Compounds</i> , 2014, 600, 204-209.	5.5	15
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	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
72	A complex and de-complex strategy to ordered mesoporous Ce _{0.5} Zr _{0.5} O ₂ with comprehensive pilot scale performances. <i>Materials Chemistry and Physics</i> , 2014, 147, 1009-1015.	4.0	10

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73	Natural halloysite nanotubes modified as an aspirin carrier. RSC Advances, 2014, 4, 44197-44202.	3.6	96
74	High morphological stability and structural transition of halloysite (Hunan, China) in heat treatment. Applied Clay Science, 2014, 101, 16-22.	5.2	63
75	Mesoporous material Al-MCM-41 from natural halloysite. Physics and Chemistry of Minerals, 2014, 41, 497-503.	0.8	33
76	Metal oxide nanoparticles deposited onto carbon-coated halloysite nanotubes. Applied Clay Science, 2014, 95, 252-259.	5.2	81
77	Precious-Metal Nanoparticles Anchored onto Functionalized Halloysite Nanotubes. Industrial & Engineering Chemistry Research, 2014, 53, 5507-5514.	3.7	67
78	CuO nanoparticles encapsulated inside Al-MCM-41 mesoporous materials via direct synthetic route. Scientific Reports, 2014, 4, 3682.	3.3	165
79	Novel sensible thermal storage material from natural minerals. Physics and Chemistry of Minerals, 2013, 40, 681-689.	0.8	20
80	Eu2O3-functionalized ZnO/palygorskite. RSC Advances, 2013, 3, 20385.	3.6	7
81	Palladium nanoparticles deposited on silanized halloysite nanotubes: synthesis, characterization and enhanced catalytic property. Scientific Reports, 2013, 3, 2948.	3.3	149
82	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
83	3D ordered macro-mesoporous indium doped Al ₂ O ₃ . CrystEngComm, 2013, 15, 6046.	2.6	21
84	Enhanced performance and interfacial investigation of mineral-based composite phase change materials for thermal energy storage. Scientific Reports, 2013, 3, 1908.	3.3	64
85	Synthesis and characterization of Sb-SnO ₂ /kaolinites nanoparticles. Applied Clay Science, 2012, 55, 151-157.	5.2	26
86	Synthesis and catalytic activity of doped TiO ₂ -palygorskite composites. Applied Clay Science, 2011, 53, 80-84.	5.2	46
87	Effect of Oxygen Vacancy on the Optical Properties of Porous Zirconia. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2011, 27, 2900-2906.	4.9	1
88	Novel Preparation and Characterization of Barium Strontium Titanate Microcubes. Journal of the American Ceramic Society, 2010, 93, 3342-3348.	3.8	2
89	From Natural Attapulgite to Mesoporous Materials: Methodology, Characterization and Structural Evolution. Journal of Physical Chemistry B, 2010, 114, 2390-2398.	2.6	132
90	Novel synthesis and characterization of nanosized γ -Al ₂ O ₃ from kaolin. Applied Clay Science, 2010, 47, 438-443.	5.2	70

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91	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
92	Solvothermal synthesis and optical properties of Mn ²⁺ -doped SrTiO ₃ powders. Journal of Alloys and Compounds, 2009, 485, 351-355.	5.5	17
93	Preparation, photo-catalytic activity of cuprous oxide nano-crystallites with different sizes. Journal of Alloys and Compounds, 2008, 457, 447-451.	5.5	38
94	Synthesis and optical properties of yttria-doped ZrO ₂ nanopowders. Journal of Alloys and Compounds, 2008, 458, 474-478.	5.5	26
95	Solid-state synthesis and electrochemical property of SnO ₂ /NiO nanomaterials. Journal of Alloys and Compounds, 2008, 459, 98-102.	5.5	104
96	Single Step Synthesis of High-Purity CoO Nanocrystals. Journal of Physical Chemistry B, 2007, 111, 8006-8013.	2.6	88
97	Electrochemical synthesis and photocatalytic property of cuprous oxide nanoparticles. Materials Research Bulletin, 2006, 41, 1310-1318.	5.2	158
98	Mechanochemical Processing of Ultrafine Steel Slag Powders. Advanced Materials Research, 0, 763, 211-215.	0.3	2