Jing Ouyang

List of Publications by Year in descending order

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98 papers	4,950 citations	81434 41 h-index	111975 67 g-index
98 all docs	98 docs citations	98 times ranked	5882 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	Light-weight FeCo/CNTs/HNTs triple-phase magnetic composites for high-performance microwave absorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129121.	2.3	6
4	Effective CO2 methanation over site-specified ruthenium nanoparticles loaded on TiO2/palygorskite nanocomposite. Journal of Colloid and Interface Science, 2022, 623, 703-709.	5.0	4
5	Effective CO2 methanation at ambient pressure over Lanthanides (La/Ce/Pr/Sm) modified cobalt-palygorskite composites. Journal of CO2 Utilization, 2022, 63, 102114.	3.3	13
6	CO2 fixation mechanism of kaolin treated with organic amines at varied temperatures and pressure. Applied Clay Science, 2022, 228, 106638.	2.6	4
7	PANI/BaFe12O19@Halloysite ternary composites as novel microwave absorbent. Journal of Colloid and Interface Science, 2021, 582, 137-148.	5.0	47
8	Surface modified halloysite nanotubes with different lumen diameters as drug carriers for cancer therapy. Chemical Communications, 2021, 57, 9470-9473.	2.2	17
9	Surface hydroxyls mediated CO2 methanation at ambient pressure over attapulgite-loaded Ni-TiO2 composite catalysts with high activity and reuse ability. Journal of CO2 Utilization, 2021, 47, 101489.	3.3	30
10	Interfacial multi-reflection in barium ferrite nanosheets/ amorphous carbon nanotube composites for effective electromagnetic shielding applications. Materials Chemistry and Physics, 2021, 267, 124606.	2.0	8
11	Electrospinning with a spindle-knot structure for effective PM2.5 capture. Science China Materials, 2021, 64, 1278-1290.	3.5	11
12	Effect of Basalt Fibers for Reinforcing Resin-Based Brake Composites. Minerals (Basel, Switzerland), 2020, 10, 490.	0.8	26
13	Interfacial characteristics between mineral fillers and phenolic resin in friction materials. Materials Express, 2020, 10, 70-80.	0.2	11
14	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
15	Trimetallic FeCoNi@C Nanocomposite Hollow Spheres Derived from Metalâ€“Organic Frameworks with Superior Electromagnetic Wave Absorption Ability. ACS Applied Materials & Interfaces, 2019, 11, 39304-39314.	4.0	238
16	Nanoclay-modulated oxygen vacancies of metal oxide. Communications Chemistry, 2019, 2, .	2.0	84
17	Insight into the effect of crystallographic structure on thermal conductivity of kaolinite nanoclay. Applied Clay Science, 2019, 173, 12-18.	2.6	29
18	An emerging mineral-based composite flame retardant coating: Preparation and enhanced fireproof performance. Surface and Coatings Technology, 2019, 367, 118-126.	2.2	39

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19	Degradation of Congo Red dye by a Fe2O3@CeO2-ZrO2/Palygorskite composite catalyst: Synergetic effects of Fe2O3. Journal of Colloid and Interface Science, 2019, 539, 135-145.	5.0	106
20	Surface redox characters and synergetic catalytic properties of macroporous ceria-zirconia solid solutions. Journal of Hazardous Materials, 2019, 366, 54-64.	6.5	23
21	Highly dispersed sepiolite-based organic modified nanofibers for enhanced adsorption of Congo red. Applied Clay Science, 2018, 157, 76-85.	2.6	60
22	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
23	Textural properties determined CO2 capture of tetraethylenepentamine loaded SiO2 nanowires from Î±-sepiolite. Chemical Engineering Journal, 2018, 337, 342-350.	6.6	50
24	Chemically modified kaolinite nanolayers for the removal of organic pollutants. Applied Clay Science, 2018, 157, 283-290.	2.6	64
25	Synthesis and Characterization of Modified BiOCl and Their Application in Adsorption of Low-Concentration Dyes from Aqueous Solution. Nanoscale Research Letters, 2018, 13, 69.	3.1	27
26	Large-scale synthesis of sub-micro sized halloysite-composed CZA with enhanced catalysis performances. Applied Clay Science, 2018, 152, 221-229.	2.6	35
27	Polyethyleneimine (PEI) loaded MgO-SiO 2 nanofibers from sepiolite minerals for reusable CO 2 capture/release applications. Applied Clay Science, 2018, 152, 267-275.	2.6	40
28	Amino-functionalized hierarchical porous SiO2-AlOOH composite nanosheets with enhanced adsorption performance. Journal of Hazardous Materials, 2018, 344, 1090-1100.	6.5	58
29	Silver nanoparticles assembled on modified sepiolite nanofibers for enhanced catalytic reduction of 4-nitrophenol. Applied Clay Science, 2018, 166, 166-173.	2.6	42
30	Selective Fabrication of Barium Carbonate Nanoparticles in the Lumen of Halloysite Nanotubes. Minerals (Basel, Switzerland), 2018, 8, 296.	0.8	11
31	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
32	Lauric Acid Hybridizing Fly Ash Composite for Thermal Energy Storage. Minerals (Basel, Switzerland), 2018, 8, 161.	0.8	13
33	Stearic acid modified montmorillonite as emerging microcapsules for thermal energy storage. Applied Clay Science, 2017, 138, 100-106.	2.6	96
34	In situ loading of highly-dispersed CuO nanoparticles on hydroxyl-group-rich SiO2-AlOOH composite nanosheets for CO catalytic oxidation. Chemical Engineering Journal, 2017, 316, 1035-1046.	6.6	104
35	Fe₂O₃ nanoparticles anchored on 2D kaolinite with enhanced antibacterial activity. Chemical Communications, 2017, 53, 6255-6258.	2.2	48
36	Surface-modified sepiolite fibers for reinforcing resin brake composites. Materials Express, 2017, 7, 104-112.	0.2	12

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37	Characterization and synergetic antibacterial properties of ZnO and CeO2 supported by halloysite. Applied Surface Science, 2017, 420, 833-838.	3.1	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.	2.6	94
39	Pd Nanoparticles and MOFs Synergistically Hybridized Halloysite Nanotubes for Hydrogen Storage. Nanoscale Research Letters, 2017, 12, 240.	3.1	47
40	Hierarchical MoS2 intercalated clay hybrid nanosheets with enhanced catalytic activity. Nano Research, 2017, 10, 570-583.	5.8	100
41	Morphological evolution of hierarchical Bi₂Se₃/BiOBr nanostructures and enhanced activity for p-nitrophenol reduction by NaBH₄. CrystEngComm, 2017, 19, 4824-4831.	1.3	8
42	Textual properties and catalytic performances of halloysite hybrid CeO2-ZrO2 nanoparticles. Journal of Colloid and Interface Science, 2017, 505, 430-436.	5.0	24
43	Sepiolite supported stearic acid composites for thermal energy storage. RSC Advances, 2016, 6, 112493-112501.	1.7	27
44	Phase and optical properties of solvothermal prepared Sm2O3 doped ZrO2 nanoparticles: The effect of oxygen vacancy. Journal of Alloys and Compounds, 2016, 682, 654-662.	2.8	12
45	Chitosan modified halloysite nanotubes as emerging porous microspheres for drug carrier. Applied Clay Science, 2016, 126, 306-312.	2.6	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.	3.3	56
47	Modified wollastonite sequestrating CO₂and exploratory application of the carbonation products. RSC Advances, 2016, 6, 78090-78099.	1.7	26
48	Lithium orthosilicate with halloysite as silicon source for high temperature CO₂ capture. RSC Advances, 2016, 6, 44106-44112.	1.7	44
49	Perovskite LaFeO3/montmorillonite nanocomposites: synthesis, interface characteristics and enhanced photocatalytic activity. Scientific Reports, 2016, 6, 19723.	1.6	157
50	Emerging Parallel Dual 2D Composites: Natural Clay Mineral Hybridizing MoS₂ and Interfacial Structure. Advanced Functional Materials, 2016, 26, 2666-2675.	7.8	157
51	Shape controlled synthesis and optical properties of Cu2O micro-spheres and octahedrons. Materials and Design, 2016, 92, 261-267.	3.3	24
52	Synthesis and characterization of nesquehonite (MgCO3Â·3H2O) powders from natural talc. Powder Technology, 2016, 292, 169-175.	2.1	39
53	Three-way catalytic performances of Pd loaded halloysite-Ce0.5Zr0.5O2 hybrid materials. Applied Clay Science, 2016, 121-122, 63-70.	2.6	35
54	Applications and interfaces of halloysite nanocomposites. Applied Clay Science, 2016, 119, 8-17.	2.6	235

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55	Assembling strategy to synthesize palladium modified kaolin nanocomposites with different morphologies. Scientific Reports, 2015, 5, 13763.	1.6	50
56	Tungsten tailing powders activated for use as cementitious material. Powder Technology, 2015, 286, 678-683.	2.1	35
57	Carbon hybridized halloysite nanotubes for high-performance hydrogen storage capacities. Scientific Reports, 2015, 5, 12429.	1.6	73
58	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
59	Fabrication and Conductive Performance of Antimony-Doped Tin Oxide-Coated Halloysite Nanotubes. Nano, 2015, 10, 1550078.	0.5	8
60	Acid-hybridized expanded perlite as a composite phase-change material in wallboards. RSC Advances, 2015, 5, 66134-66140.	1.7	40
61	Mineral carbonation of a desulfurization residue for CO2 sequestration. RSC Advances, 2015, 5, 67184-67194.	1.7	25
62	Kaolinite stabilized paraffin composite phase change materials for thermal energy storage. Applied Clay Science, 2015, 115, 212-220.	2.6	94
63	Construction of Mesoporous Ce_{0.5}Zr_{0.5}O₂ from Different <I>Gemini</I> and Cetyltrimethylammonium Bromide Surfactants. Science of Advanced Materials, 2015, 7, 199-210.	0.1	2
64	Rapid synthesis of barium titanate microcubes using composite-hydroxides-mediated avenue. Materials Research Bulletin, 2014, 52, 108-111.	2.7	5
65	Surface status and reduction behavior of porous ceria (CeO2) via amended EISA method. Journal of Alloys and Compounds, 2014, 606, 236-241.	2.8	12
66	Halloysite nanotubes as hydrogen storage materials. Physics and Chemistry of Minerals, 2014, 41, 323-331.	0.3	41
67	Enhancing dispersion of halloysite nanotubes via chemical modification. Physics and Chemistry of Minerals, 2014, 41, 281-288.	0.3	58
68	CO2 mineral sequestration by wollastonite carbonation. Physics and Chemistry of Minerals, 2014, 41, 489-496.	0.3	29
69	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.	2.8	15
70	Microwave-assisted synthesis and interfacial features of CdS/kaolinite nanocomposite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 443, 72-79.	2.3	21
71	One-step synthesis of highly ordered Pt/MCM-41 from natural diatomite and the superior capacity in hydrogen storage. Applied Clay Science, 2014, 99, 246-253.	2.6	27
72	A complex and de-complex strategy to ordered mesoporous Ce0.5Zr0.5O2 with comprehensive pilot scale performances. Materials Chemistry and Physics, 2014, 147, 1009-1015.	2.0	10

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73	Natural halloysite nanotubes modified as an aspirin carrier. RSC Advances, 2014, 4, 44197-44202.	1.7	96
74	High morphological stability and structural transition of halloysite (Hunan, China) in heat treatment. Applied Clay Science, 2014, 101, 16-22.	2.6	63
75	Mesoporous material Al-MCM-41 from natural halloysite. Physics and Chemistry of Minerals, 2014, 41, 497-503.	0.3	33
76	Metal oxide nanoparticles deposited onto carbon-coated halloysite nanotubes. Applied Clay Science, 2014, 95, 252-259.	2.6	81
77	Precious-Metal Nanoparticles Anchored onto Functionalized Halloysite Nanotubes. Industrial & Engineering Chemistry Research, 2014, 53, 5507-5514.	1.8	67
78	CuO nanoparticles encapsulated inside Al-MCM-41 mesoporous materials via direct synthetic route. Scientific Reports, 2014, 4, 3682.	1.6	165
79	Novel sensible thermal storage material from natural minerals. Physics and Chemistry of Minerals, 2013, 40, 681-689.	0.3	20
80	Eu2O3-functionalized ZnO/palygorskite. RSC Advances, 2013, 3, 20385.	1.7	7
81	Palladium nanoparticles deposited on silanized halloysite nanotubes: synthesis, characterization and enhanced catalytic property. Scientific Reports, 2013, 3, 2948.	1.6	149
82	Enhanced reduction properties of mesostructured Ce0.5Zr0.5O2 solid solutions. Materials Chemistry and Physics, 2013, 140, 294-299.	2.0	8
83	3D ordered macroâ€“mesoporous indium doped Al2O3. CrystEngComm, 2013, 15, 6046.	1.3	21
84	Enhanced performance and interfacial investigation of mineral-based composite phase change materials for thermal energy storage. Scientific Reports, 2013, 3, 1908.	1.6	64
85	Synthesis and characterization of Sbâ€“SnO2/kaolinites nanoparticles. Applied Clay Science, 2012, 55, 151-157.	2.6	26
86	Synthesis and catalytic activity of doped TiO2-palygorskite composites. Applied Clay Science, 2011, 53, 80-84.	2.6	46
87	Effect of Oxygen Vacancy on the Optical Properties of Porous Zirconia. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2011, 27, 2900-2906.	2.2	1
88	Novel Preparation and Characterization of Barium Strontium Titanate Microcubes. Journal of the American Ceramic Society, 2010, 93, 3342-3348.	1.9	2
89	From Natural Attapulgite to Mesoporous Materials: Methodology, Characterization and Structural Evolution. Journal of Physical Chemistry B, 2010, 114, 2390-2398.	1.2	132
90	Novel synthesis and characterization of nanosized Î³-Al2O3 from kaolin. Applied Clay Science, 2010, 47, 438-443.	2.6	70

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91	Investigation of the Oxygen Exchange Property and Oxygen Storage Capacity of Ce_xZr_{1â^'}_xO₂ Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 6921-6928.	1.5	45
92	Solvothermal synthesis and optical properties of Mn2+-doped SrTiO3 powders. Journal of Alloys and Compounds, 2009, 485, 351-355.	2.8	17
93	Preparation, photo-catalytic activity of cuprous oxide nano-crystallites with different sizes. Journal of Alloys and Compounds, 2008, 457, 447-451.	2.8	38
94	Synthesis and optical properties of yttria-doped ZrO2 nanopowders. Journal of Alloys and Compounds, 2008, 458, 474-478.	2.8	26
95	Solid-state synthesis and electrochemical property of SnO2/NiO nanomaterials. Journal of Alloys and Compounds, 2008, 459, 98-102.	2.8	104
96	Single Step Synthesis of High-Purity CoO Nanocrystals. Journal of Physical Chemistry B, 2007, 111, 8006-8013.	1.2	88
97	Electrochemical synthesis and photocatalytic property of cuprous oxide nanoparticles. Materials Research Bulletin, 2006, 41, 1310-1318.	2.7	158
98	Mechanochemical Processing of Ultrafine Steel Slag Powders. Advanced Materials Research, 0, 763, 211-215.	0.3	2