

Aidong Tang

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72
papers

2,223
citations

28
h-index

46
g-index

74
ext. papers

2,619
ext. citations

6.7
avg, IF

5.29
L-index

#	Paper	IF	Citations
72	Applications and interfaces of halloysite nanocomposites. <i>Applied Clay Science</i> , 2016 , 119, 8-17	5.2	191
71	Amine-Impregnated Mesoporous Silica Nanotube as an Emerging Nanocomposite for CO ₂ Capture. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17312-20	9.5	154
70	Electrochemical synthesis and photocatalytic property of cuprous oxide nanoparticles. <i>Materials Research Bulletin</i> , 2006 , 41, 1310-1318	5.1	141
69	Helical TiO ₂ Nanotube Arrays Modified by Cu-Cu ₂ O with Ultrahigh Sensitivity for the Nonenzymatic Electro-oxidation of Glucose. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12719-30	9.5	85
68	Ultrathin Na _{1.08} V ₃ O ₈ nanosheets—novel cathode material with superior rate capability and cycling stability for Li-ion batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 6173	35.4	82
67	Novel helical TiO ₂ nanotube arrays modified by Cu ₂ O for enzyme-free glucose oxidation. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 243-50	11.8	79
66	Hierarchical MoS ₂ intercalated clay hybrid nanosheets with enhanced catalytic activity. <i>Nano Research</i> , 2017 , 10, 570-583	10	77
65	Sol-Gel Synthesis and Photocatalytic Activity of CeO ₂ /TiO ₂ Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1370-1374	3.8	76
64	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	14.7	75
63	Kaolinite stabilized paraffin composite phase change materials for thermal energy storage. <i>Applied Clay Science</i> , 2015 , 115, 212-220	5.2	70
62	Preparation of porous material from talc by mechanochemical treatment and subsequent leaching. <i>Applied Clay Science</i> , 2006 , 31, 290-297	5.2	58
61	Engineering a tubular mesoporous silica nanocontainer with well-preserved clay shell from natural halloysite. <i>Nano Research</i> , 2017 , 10, 2782-2799	10	54
60	Precious-Metal Nanoparticles Anchored onto Functionalized Halloysite Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 5507-5514	3.9	54
59	Microwave synthesis of nanocrystalline Sb ₂ S ₃ and its electrochemical properties. <i>Materials Research Bulletin</i> , 2007 , 42, 1357-1363	5.1	52
58	Oxygen Evolution in Overcharged Li _x Ni _{1/3} Co _{1/3} Mn _{1/3} O ₂ Electrode and Its Thermal Analysis Kinetics. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 1583-1588	4.9	50
57	Effect of mechanical activation on acid-leaching of kaolin residue. <i>Applied Clay Science</i> , 2010 , 48, 296-299	5.2	50
56	Intercalated 2D nanoclay for emerging drug delivery in cancer therapy. <i>Nano Research</i> , 2017 , 10, 2633-2643	6.4	47

55	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	8.1	46
54	Synthesis and catalytic activity of doped TiO ₂ -palygorskite composites. <i>Applied Clay Science</i> , 2011 , 53, 80-84	5.2	44
53	Emerging integrated nanoclay-facilitated drug delivery system for papillary thyroid cancer therapy. <i>Scientific Reports</i> , 2016 , 6, 33335	4.9	41
52	Palygorskite-template amorphous carbon nanotubes as a superior adsorbent for removal of dyes from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 450-457	9.3	38
51	FeO nanoparticles anchored on 2D kaolinite with enhanced antibacterial activity. <i>Chemical Communications</i> , 2017 , 53, 6255-6258	5.8	37
50	Preparation, photo-catalytic activity of cuprous oxide nano-crystallites with different sizes. <i>Journal of Alloys and Compounds</i> , 2008 , 457, 447-451	5.7	37
49	Three-way catalytic performances of Pd loaded halloysite-Ce _{0.5} Zr _{0.5} O ₂ hybrid materials. <i>Applied Clay Science</i> , 2016 , 121-122, 63-70	5.2	34
48	Amino-modified Fe ₂ O ₃ /sepiolite composite with rod-like morphology for magnetic separation removal of Congo red dye from aqueous solution. <i>Powder Technology</i> , 2018 , 339, 872-881	5.2	34
47	Flake-like Cu ₂ O on TiO ₂ nanotubes array as an efficient nonenzymatic H ₂ O ₂ biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 785, 33-39	4.1	32
46	A heterogeneous Fenton reaction system of N-doped TiO ₂ anchored on sepiolite activates peroxymonosulfate under visible light irradiation. <i>Chemical Engineering Journal</i> , 2020 , 383, 123142	14.7	32
45	Controlled assembly of Sb ₂ Se ₃ nanoparticles on silica/polymer nanotubes: insights into the nature of hybrid interfaces. <i>Scientific Reports</i> , 2013 , 3, 1336	4.9	29
44	Electrodeposition of Sb ₂ Se ₃ on TiO ₂ nanotube arrays for catalytic reduction of p -nitrophenol. <i>Electrochimica Acta</i> , 2014 , 146, 346-352	6.7	27
43	Promoting effect of the addition of Ce and Fe on manganese oxide catalyst for 1,2-dichlorobenzene catalytic combustion. <i>Catalysis Communications</i> , 2016 , 82, 41-45	3.2	26
42	Thermal Behavior Investigation of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ -Based Li-ion Battery under Overcharged Test. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 27-32	4.9	24
41	Y ₂ O ₃ functionalized natural palygorskite as an adsorbent for methyl blue removal. <i>RSC Advances</i> , 2016 , 6, 41765-41771	3.7	24
40	Shape controlled synthesis and optical properties of Cu ₂ O micro-spheres and octahedrons. <i>Materials and Design</i> , 2016 , 92, 261-267	8.1	21
39	Pd modified kaolinite nanocomposite as a hydrogenation catalyst. <i>RSC Advances</i> , 2016 , 6, 15585-15591	3.7	21
38	Sepiolite/Fe ₃ O ₄ composite for effective degradation of diuron. <i>Applied Clay Science</i> , 2019 , 181, 105243	5.2	19

37	Porous carbon-based MgAlF ₅ ·1.5H ₂ O composites derived from carbon-coated clay presenting super high adsorption capacity for Congo Red. <i>Chemical Engineering Journal</i> , 2021 , 406, 126784	14.7	19
36	Tin Oxide-Carbon-Coated Sepiolite Nanofibers with Enhanced Lithium-Ion Storage Property. <i>Nanoscale Research Letters</i> , 2017 , 12, 215	5	18
35	Fabrication of Cu ₂ O/TiO ₂ /sepiolite electrode for effectively detecting of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2018 , 827, 1-9	4.1	18
34	Ni(OH) ₂ /Ni based on TiO ₂ nanotube arrays binder-free electrochemical sensor for formaldehyde accelerated detection. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 805, 68-74	4.1	17
33	New finding on Sb (28 nm) nanoparticles and carbon simultaneous anchored on the porous palygorskite with enhanced catalytic activity. <i>Journal of Alloys and Compounds</i> , 2018 , 743, 394-402	5.7	17
32	SbSe assembling SbO@ attapulgite as an emerging composites for catalytic hydrogenation of p-nitrophenol. <i>Scientific Reports</i> , 2017 , 7, 3281	4.9	16
31	Substitutional Doping for Aluminosilicate Mineral and Superior Water Splitting Performance. <i>Nanoscale Research Letters</i> , 2017 , 12, 456	5	15
30	An emerging dual collaborative strategy for high-performance tumor therapy with mesoporous silica nanotubes loaded with MnO. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7406-7414	7.3	14
29	Novel CuO/TiO ₂ Nanocomposite Films with a Graded Band Gap for Visible Light Irradiation. <i>Materials Express</i> , 2012 , 2, 238-244	1.3	12
28	Fabrication of CuO/Cu/TiO ₂ nanotube arrays modified electrode for detection of formaldehyde. <i>Journal of Alloys and Compounds</i> , 2020 , 829, 154568	5.7	11
27	Magnetic carbon-coated palygorskite loaded with cobalt nanoparticles for Congo Red removal from waters. <i>Applied Clay Science</i> , 2020 , 198, 105856	5.2	11
26	Robust hemostatic bandages based on nanoclay electrospun membranes. <i>Nature Communications</i> , 2021 , 12, 5922	17.4	9
25	Size control of 1D Sb ₂ Se ₃ nanorods prepared by a facile mixed solvothermal method with tartaric acid assistance. <i>CrystEngComm</i> , 2017 , 19, 2852-2859	3.3	8
24	Phase and optical properties of solvothermal prepared Sm ₂ O ₃ doped ZrO ₂ nanoparticles: The effect of oxygen vacancy. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 654-662	5.7	8
23	Preparation and Enhanced Catalytic Hydrogenation Activity of Sb/Palygorskite (PAL) Nanoparticles. <i>Nanoscale Research Letters</i> , 2017 , 12, 460	5	7
22	Fabrication and Conductive Performance of Antimony-Doped Tin Oxide-Coated Halloysite Nanotubes. <i>Nano</i> , 2015 , 10, 1550078	1.1	7
21	Mineral Modulated Single Atom Catalyst for Effective Water Treatment. <i>Advanced Functional Materials</i> , 2111565	15.6	7
20	Morphological evolution of hierarchical Bi ₂ Se ₃ /BiOBr nanostructures and enhanced activity for p-nitrophenol reduction by NaBH ₄ . <i>CrystEngComm</i> , 2017 , 19, 4824-4831	3.3	6

19	Surface modified halloysite nanotubes with different lumen diameters as drug carriers for cancer therapy. <i>Chemical Communications</i> , 2021 , 57, 9470-9473	5.8	6
18	Palygorskite modified with N-doped carbon for sensitive determination of lead(II) by differential pulse anodic stripping voltammetry. <i>Mikrochimica Acta</i> , 2019 , 186, 706	5.8	5
17	ZnFe ₂ O ₄ -TiO ₂ nanoparticles within mesoporous MCM-41. <i>Scientific World Journal, The</i> , 2012 , 2012, 480527	5.2	5
16	Low temperature catalytic combustion of o-dichlorobenzene over supported Mn/Ce oxides: effect of support and Mn/Ce ratio. <i>RSC Advances</i> , 2016 , 6, 46822-46827	3.7	4
15	Crystallographic orientation and morphology control of Sb ₂ Se ₃ to sensitize TiO ₂ nanotube arrays for enhanced photoelectrochemical performances. <i>Chemical Engineering Journal</i> , 2022 , 429, 132091	14.7	4
14	Structure of MnOx/TiO ₂ Catalysts and Their Catalytic Performance in the Gas-Phase Oxidation of o-Dichlorobenzene. <i>Nano</i> , 2015 , 10, 1550067	1.1	3
13	Mineral-modulated Co catalyst with enhanced adsorption and dissociation of BH for hydrogenation of p-nitrophenol to p-aminophenol. <i>Chemosphere</i> , 2021 , 291, 132871	8.4	3
12	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	2.3	2
11	A new nanoclay-based bifunctional hybrid fiber membrane with hemorrhage control and wound healing for emergency self-rescue. <i>Materials Today Advances</i> , 2021 , 12, 100190	7.4	2
10	Manipulating the Conversion Kinetics of Polysulfides by Engineering Oxygen p-Band of Halloysite for Improved Li-S Batteries. <i>Small</i> , 2021 , e2105661	11	2
9	The unique interconnected structure of hollow carbon skeleton doped by F and N facilitating rapid Li ions diffusion in lithium-sulfur batteries. <i>Carbon</i> , 2022 , 195, 207-218	10.4	2
8	A Sb ₂ Se ₃ /Palygorskite Nanocomposite Catalyst for p-Nitrophenol Reduction. <i>Nano</i> , 2019 , 14, 1950113	1.1	1
7	A Novel Calcium Oxalate/Sepiolite Composite for Highly Selective Adsorption of Pb(II) from Aqueous Solutions. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 552	2.4	1
6	Effect of the occurrence state of magnesium in talc on the adsorption of Pb(II). <i>Journal of Alloys and Compounds</i> , 2021 , 887, 161288	5.7	1
5	Kaolinite nanoscroll significantly inhibiting polysulfide ions shuttle in lithium sulfur batteries. <i>Applied Clay Science</i> , 2022 , 224, 106516	5.2	1
4	Efficient activation of peroxymonosulfate by iron-containing mesoporous silica catalysts derived from iron tailings for degradation of organic pollutants. <i>Chemical Engineering Journal</i> , 2022 , 446, 137044	14.7	0
3	Synthesis and Characterization of Fluorine-Doped Tin Dioxide Nanocomposites 2013 , 1507-1514		
2	Thermal Performance and Interfacial Aspects of Kaolinite-Based Stearic Acid Composite in the Presence of Nitric Acid. <i>ChemistrySelect</i> , 2019 , 4, 13109-13114	1.8	

- 1 Sb₂Se₃ nanorods in the confined space of TiO₂ nanotube arrays facilitating photoelectrochemical hydrogen evolution. *Journal of Alloys and Compounds*, **2022**, 912, 165201

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