

Teik-Thye Lim

List of Publications by Year in descending order

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Version: 2024-02-01

255
papers

21,298
citations

8755

77
h-index

12638

137
g-index

259
all docs

259
docs citations

259
times ranked

21056
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher bacterial diversity in two-phase thermophilic anaerobic digestion of food waste after micronutrient supplementation. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 5187-5195.	2.9	4
2	Technical and environmental assessment of laboratory scale approach for sustainable management of marine plastic litter. <i>Journal of Hazardous Materials</i> , 2022, 421, 126717.	6.5	25
3	Polyoxometalates for bifunctional applications: Catalytic dye degradation and anticancer activity. <i>Chemosphere</i> , 2022, 286, 131869.	4.2	21
4	High temperature slagging gasification of municipal solid waste with biomass charcoal as a greener auxiliary fuel. <i>Journal of Hazardous Materials</i> , 2022, 423, 127057.	6.5	24
5	Thermal behavior of Cu-Mg-Al-Ba/Sr bifunctional composites during chemical looping combustion and HCl adsorption of MSW syngas. <i>Chemical Engineering Journal</i> , 2022, 430, 132871.	6.6	8
6	Insights into the synergistic role of catalytic ceramic membranes for ozone and peroxymonosulfate activation towards effective recalcitrant micropollutant degradation and mineralization. <i>Chemical Engineering Journal</i> , 2022, 430, 132921.	6.6	16
7	Temperature-dependent synthesis of multi-walled carbon nanotubes and hydrogen from plastic waste over A-site-deficient perovskite $\text{La}_{0.8}\text{Ni}_{1-x}\text{Co}_x\text{O}_{3-\delta}$. <i>Chemosphere</i> , 2022, 291, 132831.	4.2	8
8	Chemical recycling of plastic waste for sustainable material management: A prospective review on catalysts and processes. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111866.	8.2	110
9	Thermodynamic analyses of a standalone diesel-fueled distributed power generation system based on solid oxide fuel cells. <i>Applied Energy</i> , 2022, 308, 118396.	5.1	18
10	Multi-heteroatom-doped carbocatalyst as peroxymonosulfate and peroxydisulfate activator for water purification: A critical review. <i>Journal of Hazardous Materials</i> , 2022, 426, 128077.	6.5	53
11	Forecasting quantities of critical raw materials in obsolete feature and smart phones in Greece: A path to circular economy. <i>Journal of Environmental Management</i> , 2022, 307, 114566.	3.8	25
12	Insights into the effects of metal-ion doping on the structure and hot-coal-gas desulfurization properties of Zn-based sorbents supported on SBA-15. <i>Fuel</i> , 2022, 315, 123198.	3.4	12
13	Modeling the Life Cycle Inventory of a Centralized Composting Facility in Greece. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2047.	1.3	4
14	Advanced Ni tar reforming catalysts resistant to syngas impurities: Current knowledge, research gaps and future prospects. <i>Fuel</i> , 2022, 318, 123602.	3.4	15
15	Modulating local environment of Ni with W for synthesis of carbon nanotubes and hydrogen from plastics. <i>Journal of Cleaner Production</i> , 2022, 352, 131620.	4.6	11
16	Tailoring $\text{Fe}_2\text{O}_3/\text{Al}_2\text{O}_3$ catalyst structure and activity via hydrothermal synthesis for carbon nanotubes and hydrogen production from polyolefin plastics. <i>Chemosphere</i> , 2022, 297, 134148.	4.2	14
17	Catalysing electrowinning of copper from E-waste: A critical review. <i>Chemosphere</i> , 2022, 298, 134340.	4.2	11
18	Unexpected Intrinsic Catalytic Function of Porous Boron Nitride Nanorods for Highly Efficient Peroxymonosulfate Activation in Water Treatment. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18409-18419.	4.0	14

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19	Recent Biotechnology Advances in Bio-Conversion of Lignin to Lipids by Bacterial Cultures. <i>Frontiers in Chemistry</i> , 2022, 10, 894593.	1.8	5
20	Concomitant Electro-Fenton Processes in Iron-Based Electrocoagulation Systems for Sulfanilamide Degradation: Roles of Ca^{2+} in Fe(II)/Fe(III) Complexation and Electron Transfer. <i>ACS ES&T Water</i> , 2022, 2, 778-785.	2.3	7
21	Unravelling the significance of catalyst reduction stage for high tar reforming activity in the presence of syngas impurities. <i>Applied Catalysis A: General</i> , 2022, 642, 118711.	2.2	3
22	A novel molybdenum-based nanocrystal decorated ceramic membrane for organics degradation via catalytic wet air oxidation (CWAO) at ambient conditions. <i>Catalysis Today</i> , 2021, 364, 276-284.	2.2	14
23	Ba-Al-decorated iron ore as bifunctional oxygen carrier and HCl sorbent for chemical looping combustion of syngas. <i>Combustion and Flame</i> , 2021, 223, 230-242.	2.8	26
24	Hydrogen bromide in syngas: Effects on tar reforming, water gas-shift activities and sintering of Ni-based catalysts. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119435.	10.8	9
25	Effective H ₂ S control during chemical looping combustion by iron ore modified with alkaline earth metal oxides. <i>Energy</i> , 2021, 218, 119548.	4.5	17
26	Iron ore modified with alkaline earth metals for the chemical looping combustion of municipal solid waste derived syngas. <i>Journal of Cleaner Production</i> , 2021, 282, 124467.	4.6	18
27	Dual-functional witherite in improving chemical looping performance of iron ore and simultaneous adsorption of HCl in syngas at high temperature. <i>Chemical Engineering Journal</i> , 2021, 413, 127538.	6.6	14
28	Transformation behaviors and environmental risk assessment of heavy metals during resource recovery from <i>Sedum plumbizincicola</i> via hydrothermal liquefaction. <i>Journal of Hazardous Materials</i> , 2021, 410, 124588.	6.5	26
29	Weakening the strong Fe-La interaction in A-site-deficient perovskite via Ni substitution to promote the thermocatalytic synthesis of carbon nanotubes from plastics. <i>Journal of Hazardous Materials</i> , 2021, 403, 123642.	6.5	23
30	Structure Characteristics and Hot-Coal-Gas Desulfurization Properties of Zn-Based Sorbents Supported on Mesoporous Silica with Different Pore-Arrangement Patterns: A Comparison Study. <i>Energy & Fuels</i> , 2021, 35, 2456-2467.	2.5	12
31	One-Step Block Copolymer Templated Synthesis of Bismuth Oxybromide for Bisphenol A Degradation: An Extended Study from Photocatalysis to Chemical Oxidation. <i>ACS ES&T Water</i> , 2021, 1, 837-846.	2.3	16
32	The Effects of Washing Techniques on Thermal Combustion Properties of Sewage Sludge Chars. <i>International Journal of Environmental Research</i> , 2021, 15, 285-297.	1.1	3
33	Universal and Switchable Omni-Repellency of Liquid-Infused Surfaces for On-Demand Separation of Multiphase Liquid Mixtures. <i>ACS Nano</i> , 2021, 15, 6977-6986.	7.3	20
34	Ce/TiO _x -functionalized catalytic ceramic membrane for hybrid catalytic ozonation-membrane filtration process: Fabrication, characterization and performance evaluation. <i>Chemical Engineering Journal</i> , 2021, 410, 128307.	6.6	23
35	Flexible packaging plastic waste – environmental implications, management solutions, and the way forward. <i>Current Opinion in Chemical Engineering</i> , 2021, 32, 100684.	3.8	26
36	Selective leaching of scandium and yttrium from red mud induced by hydrothermal treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2620-2629.	1.6	1

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37	Dynamic estimation of future obsolete laptop flows and embedded critical raw materials: The case study of Greece. <i>Waste Management</i> , 2021, 132, 74-85.	3.7	8
38	A facile energy-saving and environmental oil-spill remedial method: Separation patterns and kinetics research. <i>Applied Surface Science</i> , 2021, 556, 149761.	3.1	6
39	Chemical looping combustion-adsorption of HCl-containing syngas using alkaline-earth coated iron ore composites for simultaneous purification and combustion enhancement. <i>Chemical Engineering Journal</i> , 2021, 417, 129226.	6.6	23
40	Mixed-addenda polyoxometalates for enhanced electrochemical water oxidation. <i>MRS Advances</i> , 2021, 6, 588-593.	0.5	1
41	Highly efficient activation of peroxymonosulfate by bismuth oxybromide for sulfamethoxazole degradation under ambient conditions: Synthesis, performance, kinetics and mechanisms. <i>Separation and Purification Technology</i> , 2021, 276, 119203.	3.9	10
42	Surface construction of nitrogen-doped chitosan-derived carbon nanosheets with hierarchically porous structure for enhanced sulfacetamide degradation via peroxymonosulfate activation: Maneuverable porosity and active sites. <i>Chemical Engineering Journal</i> , 2020, 382, 122908.	6.6	65
43	Processing of flexible plastic packaging waste into pyrolysis oil and multi-walled carbon nanotubes for electrocatalytic oxygen reduction. <i>Journal of Hazardous Materials</i> , 2020, 387, 121256.	6.5	103
44	Environmental impact assessment of converting flexible packaging plastic waste to pyrolysis oil and multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2020, 390, 121449.	6.5	86
45	Spatial confinement of cobalt crystals in carbon nanofibers with oxygen vacancies as a high-efficiency catalyst for organics degradation. <i>Chemosphere</i> , 2020, 245, 125407.	4.2	26
46	Facile synthesis of pure g-C ₃ N ₄ materials for peroxymonosulfate activation to degrade bisphenol A: Effects of precursors and annealing ambience on catalytic oxidation. <i>Chemical Engineering Journal</i> , 2020, 387, 123726.	6.6	95
47	Mesoporous Zn-Fe-based binary metal oxide sorbent with sheet-shaped morphology: Synthesis and application for highly efficient desulfurization of hot coal gas. <i>Chemical Engineering Journal</i> , 2020, 389, 123750.	6.6	25
48	Barium aluminate improved iron ore for the chemical looping combustion of syngas. <i>Applied Energy</i> , 2020, 272, 115236.	5.1	29
49	Highly active and poison-tolerant nickel catalysts for tar reforming synthesized through controlled hydrothermal synthesis. <i>Applied Catalysis A: General</i> , 2020, 607, 117779.	2.2	7
50	Polydopamine-mediated Superlyophobic Polysiloxane Coating of Porous Substrates for Efficient Separation of Immiscible Liquids. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000428.	1.9	4
51	Enhanced activation of peroxydisulfate by CuO decorated on hexagonal boron nitride for bisphenol A removal. <i>Chemical Engineering Journal</i> , 2020, 393, 124714.	6.6	55
52	Preparation of mesoporous MCM-41 supported zinc sorbents by microwave in situ oxidation for H ₂ S removal in coal gas. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1729-1740.	0.9	2
53	Hierarchical Graphene/Metal-Organic Framework Composites with Tailored Wettability for Separation of Immiscible Liquids. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35563-35571.	4.0	16
54	In situ grown metallic nickel from X-Ni (X=La, Mg, Sr) oxides for converting plastics into carbon nanotubes: Influence of metal-support interaction. <i>Journal of Cleaner Production</i> , 2020, 258, 120633.	4.6	58

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55	Analytical assessment of tar generated during gasification of municipal solid waste: Distribution of GCÉMS detectable tar compounds, undetectable tar residues and inorganic impurities. <i>Fuel</i> , 2020, 268, 117348.	3.4	29
56	Regenerable Co-ZnO-based nanocomposites for high-temperature syngas desulfurization. <i>Fuel Processing Technology</i> , 2020, 201, 106344.	3.7	20
57	MusselÉInspired DualÉSuperlyophobic Biomass Membranes for Selective Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901756.	1.9	25
58	Photodegradation of Cytostatic Drugs in Low-Pressure UV Photoreactor Through Direct and Indirect Pathways. , 2020, , 245-257.		1
59	Fe-Based Sorbent for Hot Coal Gas under Microwave Irradiation: Desulfurization Performance and Microwave Effects. <i>Energy & Fuels</i> , 2019, 33, 9004-9013.	2.5	11
60	Effects of sewage sludge organic and inorganic constituents on the properties of pyrolysis products. <i>Energy Conversion and Management</i> , 2019, 196, 1410-1419.	4.4	89
61	Insights into the speciation of heavy metals during pyrolysis of industrial sludge. <i>Science of the Total Environment</i> , 2019, 691, 232-242.	3.9	86
62	UV direct photolysis of halogenated disinfection byproducts: Experimental study and QSAR modeling. <i>Chemosphere</i> , 2019, 235, 719-725.	4.2	25
63	Nonradical transformation of sulfamethoxazole by carbon nanotube activated peroxydisulfate: Kinetics, mechanism and product toxicity. <i>Chemical Engineering Journal</i> , 2019, 378, 122147.	6.6	62
64	Thermodynamic analyses of synthetic natural gas production via municipal solid waste gasification, high-temperature water electrolysis and methanation. <i>Energy Conversion and Management</i> , 2019, 202, 112160.	4.4	46
65	A hot syngas purification system integrated with downdraft gasification of municipal solid waste. <i>Applied Energy</i> , 2019, 237, 227-240.	5.1	76
66	Nickel-based catalysts for steam reforming of naphthalene utilizing gasification slag from municipal solid waste as a support. <i>Fuel</i> , 2019, 254, 115561.	3.4	19
67	Catalytically active nitrogen-doped porous carbon derived from biowastes for organics removal via peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2019, 374, 947-957.	6.6	82
68	Hybrid catalytic ozonation-membrane filtration process with CeOx and MnOx impregnated catalytic ceramic membranes for micropollutants degradation. <i>Chemical Engineering Journal</i> , 2019, 378, 121670.	6.6	62
69	Polyacrylonitrile (PAN)-induced carbon membrane with in-situ encapsulated cobalt crystal for hybrid peroxymonosulfate oxidation-filtration process: Preparation, characterization and performance evaluation. <i>Chemical Engineering Journal</i> , 2019, 373, 425-436.	6.6	39
70	Insights into nitrogen and boron-co-doped graphene toward high-performance peroxymonosulfate activation: Maneuverable N-B bonding configurations and oxidation pathways. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 419-432.	10.8	163
71	Characteristics of incineration ash for sustainable treatment and reutilization. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16974-16997.	2.7	113
72	Comparison of amoxicillin photodegradation in the UV/H2O2 and UV/persulfate systems: Reaction kinetics, degradation pathways, and antibacterial activity. <i>Chemical Engineering Journal</i> , 2019, 372, 420-428.	6.6	115

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73	Pore-functionalized ceramic membrane with isotropically impregnated cobalt oxide for sulfamethoxazole degradation and membrane fouling elimination: Synergistic effect between catalytic oxidation and membrane separation. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 37-46.	10.8	94
74	A Novel Metal-Organic Framework (MOF)-Mediated Interfacial Polymerization for Direct Deposition of Polyamide Layer on Ceramic Substrates for Nanofiltration. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900132.	1.9	21
75	Elucidation of stoichiometric efficiency, radical generation and transformation pathway during catalytic oxidation of sulfamethoxazole via peroxymonosulfate activation. <i>Water Research</i> , 2019, 151, 64-74.	5.3	148
76	Insights into the single and binary adsorption of copper(II) and nickel(II) on hexagonal boron nitride: Performance and mechanistic studies. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102872.	3.3	24
77	A novel real-time monitoring and control system for waste-to-energy gasification process employing differential temperature profiling of a downdraft gasifier. <i>Journal of Environmental Management</i> , 2019, 234, 65-74.	3.8	20
78	Poisoning effects of H ₂ S and HCl on the naphthalene steam reforming and water-gas shift activities of Ni and Fe catalysts. <i>Fuel</i> , 2019, 241, 1008-1018.	3.4	54
79	Pyrolysis derived char from municipal and industrial sludge: Impact of organic decomposition and inorganic accumulation on the fuel characteristics of char. <i>Waste Management</i> , 2019, 83, 131-141.	3.7	59
80	Design and application of heterogeneous catalysts as peroxydisulfate activator for organics removal: An overview. <i>Chemical Engineering Journal</i> , 2019, 358, 110-133.	6.6	248
81	Distribution and modeling of tar compounds produced during downdraft gasification of municipal solid waste. <i>Renewable Energy</i> , 2019, 136, 1294-1303.	4.3	27
82	A comprehensive performance evaluation of heterogeneous Bi ₂ Fe ₄ O ₉ /peroxymonosulfate system for sulfamethoxazole degradation. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1026-1035.	2.7	27
83	One-step construction of heterostructured metal-organics@Bi ₂ O ₃ with improved photoinduced charge transfer and enhanced activity in photocatalytic degradation of sulfamethoxazole under solar light irradiation. <i>Chemosphere</i> , 2018, 205, 396-403.	4.2	17
84	Ultra-effective integrated technologies for water disinfection with a novel 0D-2D-3D nanostructured rGO-AgNP/Bi ₂ Fe ₄ O ₉ composite. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 548-556.	10.8	36
85	Effective surface treatment techniques for refinishing oil-stained road surface. <i>Construction and Building Materials</i> , 2018, 159, 64-72.	3.2	5
86	Fate and distribution of heavy metals during thermal processing of sewage sludge. <i>Fuel</i> , 2018, 226, 721-744.	3.4	203
87	Pyrolysis kinetics of ZnAl LDHs and its calcined products for H ₂ S removal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 581-589.	2.0	6
88	Insights into the thermolytic transformation of lignocellulosic biomass waste to redox-active carbocatalyst: Durability of surface active sites. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 120-129.	10.8	169
89	Catalytic activities and resistance to HCl poisoning of Ni-based catalysts during steam reforming of naphthalene. <i>Applied Catalysis A: General</i> , 2018, 557, 25-38.	2.2	29
90	Urea-assisted one-step synthesis of cobalt ferrite impregnated ceramic membrane for sulfamethoxazole degradation via peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2018, 343, 737-747.	6.6	119

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91	Influence of surface morphology on the performance of nanostructured ZnO-loaded ceramic honeycomb for syngas desulfurization. <i>Fuel</i> , 2018, 211, 591-599.	3.4	35
92	Enhanced photocatalytic degradation of bisphenol A with Ag-decorated S-doped g-C ₃ N ₄ under solar irradiation: Performance and mechanistic studies. <i>Chemical Engineering Journal</i> , 2018, 333, 739-749.	6.6	209
93	Controllable mullite bismuth ferrite micro/nanostructures with multifarious catalytic activities for switchable/hybrid catalytic degradation processes. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 502-514.	5.0	20
94	Enhancing sulfacetamide degradation by peroxymonosulfate activation with N-doped graphene produced through delicately-controlled nitrogen functionalization via tweaking thermal annealing processes. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 243-257.	10.8	416
95	Upgrading of non-condensable pyrolysis gas from mixed plastics through catalytic decomposition and dechlorination. <i>Fuel Processing Technology</i> , 2018, 170, 13-20.	3.7	59
96	Catalytic processing of non-condensable pyrolysis gas from plastics: Effects of calcium supports on nickel-catalyzed decomposition of hydrocarbons and HCl sorption. <i>Chemical Engineering Science</i> , 2018, 189, 311-319.	1.9	32
97	Ordered mesoporous Zn-based supported sorbent synthesized by a new method for high-efficiency desulfurization of hot coal gas. <i>Chemical Engineering Journal</i> , 2018, 353, 273-287.	6.6	33
98	Surface-nucleated heterogeneous growth of zeolitic imidazolate framework "A unique precursor towards catalytic ceramic membranes: Synthesis, characterization and organics degradation. <i>Chemical Engineering Journal</i> , 2018, 353, 69-79.	6.6	81
99	Graphene- and CNTs-based carbocatalysts in persulfates activation: Material design and catalytic mechanisms. <i>Chemical Engineering Journal</i> , 2018, 354, 941-976.	6.6	448
100	High-sulfur capacity and regenerable Zn-based sorbents derived from layered double hydroxide for hot coal gas desulfurization. <i>Journal of Hazardous Materials</i> , 2018, 360, 391-401.	6.5	33
101	Ni-Zn-based nanocomposite loaded on cordierite mullite ceramic for syngas desulfurization: Performance evaluation and regeneration studies. <i>Chemical Engineering Journal</i> , 2018, 351, 230-239.	6.6	36
102	Hierarchically-structured Co-CuBi ₂ O ₄ and Cu-CuBi ₂ O ₄ for sulfanilamide removal via peroxymonosulfate activation. <i>Catalysis Today</i> , 2017, 280, 2-7.	2.2	44
103	High performance duplex-structured SnO ₂ -Sb-CNT composite anode for bisphenol A removal. <i>Separation and Purification Technology</i> , 2017, 179, 25-35.	3.9	37
104	Degradation of cyclophosphamide and 5-fluorouracil in water using UV and UV/H ₂ O ₂ : Kinetics investigation, pathways and energetic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1133-1139.	3.3	49
105	Conversion of non-condensable pyrolysis gases from plastics into carbon nanomaterials: Effects of feedstock and temperature. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 16-24.	2.6	64
106	New Way of Removing Hydrogen Sulfide at a High Temperature: Microwave Desulfurization Using an Iron-Based Sorbent Supported on Active Coke. <i>Energy & Fuels</i> , 2017, 31, 4263-4272.	2.5	20
107	Insights to the microwave effect in the preparation of sorbent for H ₂ S removal: Desulfurization kinetics and characterization. <i>Fuel</i> , 2017, 203, 233-243.	3.4	11
108	Enhancing the catalytic activity of g-C ₃ N ₄ through Me doping (Me = Cu, Co and Fe) for selective sulfathiazole degradation via redox-based advanced oxidation process. <i>Chemical Engineering Journal</i> , 2017, 323, 260-269.	6.6	243

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109	Direct and indirect photodegradation pathways of cytostatic drugs under UV germicidal irradiation: Process kinetics and influences of water matrix species and oxidant dosing. <i>Journal of Hazardous Materials</i> , 2017, 324, 481-488.	6.5	46
110	Real time size-dependent particle segregation and quantitative detection in a surface acoustic wave-photoacoustic integrated microfluidic system. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 568-576.	4.0	17
111	Acetic acid-assisted fabrication of hierarchical flower-like Bi ₂ O ₃ for photocatalytic degradation of sulfamethoxazole and rhodamine B under solar irradiation. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 489-499.	5.0	45
112	Syntheses, crystal structures, and photocatalytic properties of two ammonium-directed Ag@SbS complexes. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 954-959.	3.0	26
113	In Situ Preparation and Regeneration Behaviors of Zinc Oxide/Red Clay Desulfurization Sorbents. <i>Energy & Fuels</i> , 2017, 31, 1015-1022.	2.5	15
114	Hot Coal Gas Desulfurization Using Regenerable ZnO/MCM41 Prepared via One-Step Hydrothermal Synthesis. <i>Energy & Fuels</i> , 2017, 31, 9814-9823.	2.5	23
115	Desulfurization of Hot Coal Gas over Regenerable Low-Cost Fe ₂ O ₃ /Mesoporous Al ₂ O ₃ Prepared by the Sol-Gel Method. <i>Energy & Fuels</i> , 2017, 31, 13921-13932.	2.5	21
116	Preparation of graphene-MoS ₂ hybrid aerogels as multifunctional sorbents for water remediation. <i>Science China Materials</i> , 2017, 60, 1102-1108.	3.5	27
117	Evaluation of the cycling performance of a sorbent for H ₂ S removal and simulation of desulfurization-regeneration processes. <i>Chemical Engineering Journal</i> , 2017, 326, 1255-1265.	6.6	38
118	Surface-active bismuth ferrite as superior peroxymonosulfate activator for aqueous sulfamethoxazole removal: Performance, mechanism and quantification of sulfate radical. <i>Journal of Hazardous Materials</i> , 2017, 325, 71-81.	6.5	193
119	FEM modelling of a SAW microfluidic sensor based on the photoacoustic effect. , 2016, , .		1
120	Photoacoustic induced surface acoustic wave sensor for concurrent opto-mechanical microfluidic sensing of dyes and plasmonic nanoparticles. <i>RSC Advances</i> , 2016, 6, 50238-50244.	1.7	17
121	Magnetically recyclable Bi/Fe-based hierarchical nanostructures via self-assembly for environmental decontamination. <i>Nanoscale</i> , 2016, 8, 12736-12746.	2.8	22
122	Kinetic and mechanistic investigation of azathioprine degradation in water by UV, UV/H ₂ O ₂ and UV/persulfate. <i>Chemical Engineering Journal</i> , 2016, 302, 526-534.	6.6	153
123	Generation of sulfate radical through heterogeneous catalysis for organic contaminants removal: Current development, challenges and prospects. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 169-201.	10.8	1,966
124	Comparative evaluation of iodoacids removal by UV/persulfate and UV/H ₂ O ₂ processes. <i>Water Research</i> , 2016, 102, 629-639.	5.3	202
125	Nanostructured Catalytic and Adsorbent Materials for Water Remediation. , 2016, , 75-111.		0
126	A comparative study on electrochemical oxidation of bisphenol A by boron-doped diamond anode and modified SnO ₂ -Sb anodes: Influencing parameters and reaction pathways. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2807-2815.	3.3	50

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127	A surfactant-thermal method to prepare crystalline thioantimonate for high-performance lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 111-116.	3.0	32
128	Rational design of hierarchically-structured CuBi ₂ O ₄ composites by deliberate manipulation of the nucleation and growth kinetics of CuBi ₂ O ₄ for environmental applications. <i>Nanoscale</i> , 2016, 8, 2046-2054.	2.8	51
129	Effect of microwave irradiation on the preparation of iron oxide/arenaceous clay sorbent for hot coal gas desulfurization. <i>Fuel Processing Technology</i> , 2016, 148, 35-42.	3.7	23
130	Impact of solution chemistry on the properties and bactericidal activity of silver nanoparticles decorated on superabsorbent cryogels. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 104-113.	5.0	8
131	CHAPTER 5. Combined Photocatalysis“Separation Processes for Water Treatment Using Hybrid Photocatalytic Membrane Reactors. <i>RSC Energy and Environment Series</i> , 2016, , 130-156.	0.2	2
132	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation (Small) Tj ETQq0,0,0 rgBT /Overlock 1	3.2	8
133	Facile room-temperature synthesis of carboxylated graphene oxide-copper sulfide nanocomposite with high photodegradation and disinfection activities under solar light irradiation. <i>Scientific Reports</i> , 2015, 5, 16369.	1.6	100
134	Characterization of an acoustically coupled multilayered microfluidic platform on SAW substrate using mixing phenomena. <i>Sensors and Actuators A: Physical</i> , 2015, 233, 360-367.	2.0	7
135	A molybdovanadophosphate-based surfactant encapsulated heteropolyanion with multi-lamellar nano-structure for catalytic wet air oxidation of organic pollutants under ambient conditions. <i>RSC Advances</i> , 2015, 5, 94743-94751.	1.7	2
136	Microwave effects on the structure of CeO ₂ -doped zinc oxide sorbents for H ₂ S removal. <i>Fuel</i> , 2015, 146, 56-59.	3.4	31
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