

Yi-Feng Lin

List of Publications by Year in descending order

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41
papers

1,146
citations

279798

23
h-index

395702

33
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41
all docs

41
docs citations

41
times ranked

1586
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting photoassisted activity for catalytic oxidation of benzoic acid and reduction of 4-nitrophenol with Ag-supported Fe ₃ O ₄ aerogel. <i>Chemical Engineering Journal</i> , 2021, 405, 126641.	12.7	20
2	Prussian blue analogues as heterogeneous catalysts for hydrogen generation from hydrolysis of sodium borohydride: a comparative study. <i>Chemical Papers</i> , 2021, 75, 779-788.	2.2	4
3	The roles of metal species supported on Fe ₃ O ₄ aerogel for photoassisted 4-nitrophenol reduction and benzoic acid oxidation. <i>Catalysis Science and Technology</i> , 2021, 11, 3447-3455.	4.1	3
4	H ₂ S-Sensing Studies Using Interdigitated Electrode with Spin-Coated Carbon Aerogel-Polyaniline Composites. <i>Polymers</i> , 2021, 13, 1457.	4.5	15
5	Fluorine-free and hydrophobic/oleophilic PMMA/PDMS electrospun nanofibrous membranes for gravity-driven removal of water from oil-rich emulsions. <i>Separation and Purification Technology</i> , 2021, 279, 119720.	7.9	24
6	Detection of hydrogen sulfide using polyaniline incorporated with graphene oxide aerogel. <i>Synthetic Metals</i> , 2021, 282, 116934.	3.9	15
7	Structural modification of aminoclay for catalytic applications. <i>Chemical Engineering Communications</i> , 2020, 207, 871-886.	2.6	7
8	Enhancing the Water Resistance and Stability of CsPbBr ₃ Perovskite Quantum Dots for Light-Emitting-Diode Applications through Encapsulation in Waterproof Polymethylsilsesquioxane Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58049-58059.	8.0	34
9	Microporous 3D aluminum MOF doped into chitosan-based mixed matrix membranes for ethanol/water separation. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1165-1171.	1.4	19
10	Structural, microstructural, electrical, thermal and non-isothermal degradation kinetic studies on technologically important poly(aniline)/CdO nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 611-623.	2.4	6
11	Heterostructural design of I-deficient BiOI for photocatalytic decoloration and catalytic CO ₂ conversion. <i>Catalysis Science and Technology</i> , 2019, 9, 3800-3811.	4.1	21
12	A Pt-free pristine monolithic carbon aerogel counter electrode for dye-sensitized solar cells: up to 20% under dim light illumination. <i>Nanoscale</i> , 2019, 11, 12507-12516.	5.6	29
13	Optical, thermal, mechanical properties, and non-isothermal degradation kinetic studies on PVA/CuO nanocomposites. <i>Polymer Composites</i> , 2019, 40, 3737-3748.	4.6	39
14	Decoration of SrTiO ₃ nanofibers by BiOI for photocatalytic methyl orange degradation under visible light irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 264-272.	5.3	31
15	Synergistic effect of PANI-ZrO ₂ composite as antibacterial, anti-corrosion, and phosphate adsorbent material: synthesis, characterization and applications. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 226-238.	2.2	17
16	Environmentally sustainable, fluorine-free and waterproof breathable PDMS/PS nanofibrous membranes for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9489-9497.	10.3	36
17	Ag-Deposited Electrospun SrTiO ₃ Nanofiber with Enhanced Photocatalytic Activity for Degradation of Methylene Orange. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 445-450.	0.9	3
18	Prussian Blue analogue supported on sulfur-doped carbon nitride as an enhanced heterogeneous catalyst for activating peroxymonosulfate. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 161-170.	9.4	28

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19	Electrospun magnetic cobalt-embedded carbon nanofiber as a heterogeneous catalyst for activation of oxone for degradation of Amaranth dye. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 728-735.	9.4	57
20	Bifunctional ZIF-78 heterogeneous catalyst with dual Lewis acidic and basic sites for carbon dioxide fixation via cyclic carbonate synthesis. <i>Journal of CO2 Utilization</i> , 2017, 22, 178-183.	6.8	41
21	Solvent-resistant CTAB-modified polymethylsilsesquioxane aerogels for organic solvent and oil adsorption. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 152-158.	9.4	30
22	Fluid flow through compressible soft particle beds. <i>AIChE Journal</i> , 2016, 62, 1716-1727.	3.6	3
23	Mesoporous bis(trimethoxysilyl)hexane (BTMSH)/tetraethyl orthosilicate (TEOS)-based hybrid silica aerogel membranes for CO2 capture. <i>Chemical Engineering Journal</i> , 2016, 300, 29-35.	12.7	42
24	Reusable fluorocarbon-modified electrospun PDMS/PVDF nanofibrous membranes with excellent CO2 absorption performance. <i>Chemical Engineering Journal</i> , 2016, 284, 888-895.	12.7	53
25	Hydrophobic fluorocarbon-modified silica aerogel tubular membranes with excellent CO2 recovery ability in membrane contactors. <i>Applied Energy</i> , 2015, 154, 21-25.	10.1	40
26	Synthesis of a ZrO ₂ /carbon aerogel composite with tetragonal ZrO ₂ structures assisted by the formation of phenol formaldehyde resin. <i>CrystEngComm</i> , 2015, 17, 678-685.	2.6	17
27	Polyvinylidene Fluoride/Siloxane Nanofibrous Membranes for Long-Term Continuous CO ₂ Capture with Large Absorption Flux Enhancement. <i>ChemSusChem</i> , 2014, 7, 604-609.	6.8	20
28	Reusable methyltrimethoxysilane-based mesoporous water-repellent silica aerogel membranes for CO ₂ capture. <i>RSC Advances</i> , 2014, 4, 1456-1459.	3.6	31
29	Magnetic mesoporous Fe/carbon aerogel structures with enhanced arsenic removal efficiency. <i>Journal of Colloid and Interface Science</i> , 2014, 420, 74-79.	9.4	46
30	Magnetic mesoporous iron oxide/carbon aerogel photocatalysts with adsorption ability for organic dye removal. <i>RSC Advances</i> , 2014, 4, 28628.	3.6	34
31	Sol-gel preparation of polymethylsilsesquioxane aerogel membranes for CO2 absorption fluxes in membrane contactors. <i>Applied Energy</i> , 2014, 129, 25-31.	10.1	49
32	Synthesis of mesoporous maghemite (γ-Fe ₂ O ₃) nanostructures with enhanced arsenic removal efficiency. <i>RSC Advances</i> , 2013, 3, 15344.	3.6	29
33	Mesoporous carbon aerogel membrane for phospholipid removal from <i>Jatropha curcas</i> oil. <i>Separation and Purification Technology</i> , 2013, 109, 129-134.	7.9	25
34	Hydrothermal synthesis of Lewis acid Y ₂ O ₃ cubes and flowers for the removal of phospholipids from soybean oil. <i>CrystEngComm</i> , 2013, 15, 6506.	2.6	8
35	Insight into the roles of ethylenediamine and hydrazine for the synthesis of ZnO micro/nanostructures using solvothermal process. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	4
36	Molecular modelling of polyimides with intrinsic microporosity: from structural characteristics to transport behaviour. <i>RSC Advances</i> , 2013, 3, 10403.	3.6	27

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37	Mesoporous Fluorocarbon-Modified Silica Aerogel Membranes Enabling Long-Term Continuous CO ₂ Capture with Large Absorption Flux Enhancements. <i>ChemSusChem</i> , 2013, 6, 437-442.	6.8	52
38	The synthesis of Lewis acid ZrO ₂ nanoparticles and their applications in phospholipid adsorption from Jatropha oil used for biofuel. <i>Journal of Colloid and Interface Science</i> , 2012, 368, 660-662.	9.4	26
39	DEM simulation of a 3D vertical vibratory screening process: The study of a simulated woven mesh structure. <i>AIChE Journal</i> , 2011, 57, 918-928.	3.6	18
40	Large enhancement in photon detection sensitivity via Schottky-gated CdS nanowire nanosensors. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	123
41	Growth of zirconia and yttria-stabilized zirconia nanorod arrays assisted by phase transition. <i>CrystEngComm</i> , 2010, 12, 3664.	2.6	20