

Chen Yang

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,527
citations

172386

29
h-index

143943

57
g-index

80
all docs

80
docs citations

80
times ranked

5551
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics simulation of mass transfer characteristics of DMSO at the hexane/water interface in the presence of amphiphilic Janus nanoparticles. <i>Chemical Engineering Science</i> , 2022, 248, 117231.	1.9	4
2	Activation of Transcription Factor EB Alleviates Tubular Epithelial Cell Injury via Restoring Lysosomal Homeostasis in Diabetic Nephropathy. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-24.	1.9	3
3	Hydroxychloroquine administration exacerbates acute kidney injury complicated by lupus nephritis. <i>Arthritis Research and Therapy</i> , 2022, 24, 6.	1.6	3
4	Inhibition of <i>METTL3</i> attenuates renal injury and inflammation by alleviating <i>TAB3</i> m6A modifications via IGF2BP2-dependent mechanisms. <i>Science Translational Medicine</i> , 2022, 14, eabk2709.	5.8	93
5	Revisited Cyclophosphamide in the Treatment of Lupus Nephritis. <i>BioMed Research International</i> , 2022, 2022, 1-9.	0.9	5
6	SMAD3 promotes autophagy dysregulation by triggering lysosome depletion in tubular epithelial cells in diabetic nephropathy. <i>Autophagy</i> , 2021, 17, 2325-2344.	4.3	54
7	Performance investigation on a novel 3D wave flow channel design for PEMFC. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11127-11139.	3.8	99
8	Lattice Boltzmann simulation of multicomponent reaction-diffusion and coke formation in a catalyst with hierarchical pore structure for dry reforming of methane. <i>Chemical Engineering Science</i> , 2021, 229, 116105.	1.9	18
9	Geometry optimization of a novel M-like flow field in a proton exchange membrane fuel cell. <i>Energy Conversion and Management</i> , 2021, 228, 113651.	4.4	57
10	Highly selective removal of 2,4-dinitrotoluene for industrial wastewater treatment through hyper-cross-linked resins. <i>Journal of Cleaner Production</i> , 2021, 288, 125128.	4.6	6
11	Access to <i>P</i> -stereogenic compounds <i>via</i> desymmetrizing enantioselective bromination. <i>Chemical Science</i> , 2021, 12, 4582-4587.	3.7	25
12	Lysosome Depletion-Triggered Autophagy Impairment in Progressive Kidney Injury. <i>Kidney Diseases (Basel, Switzerland)</i> , 2021, 7, 254-267.	1.2	14
13	Experimental performance investigation on the arrangement of metal foam as flow distributors in proton exchange membrane fuel cell. <i>Energy Conversion and Management</i> , 2021, 231, 113846.	4.4	46
14	Cyclosporine A blocks autophagic flux in tubular epithelial cells by impairing TFEB-mediated lysosomal function. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5729-5743.	1.6	7
15	Thermodynamic and economic study of PEMFC stack considering degradation characteristic. <i>Energy Conversion and Management</i> , 2021, 235, 114016.	4.4	25
16	The Hole Tunneling Heterojunction of Hematite-Based Photoanodes Accelerates Photosynthetic Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16009-16018.	7.2	37
17	Machine learning-based ionic liquids design and process simulation for CO ₂ separation from flue gas. <i>Green Energy and Environment</i> , 2021, 6, 432-443.	4.7	31
18	Inhibition of temperature runaway phenomenon in the Sabatier process using bed dilution structure: DEM simulation. <i>AIChE Journal</i> , 2021, 67, e17304.	1.8	8

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19	Effect of nanoparticles on interfacial mass transfer characteristics and mechanisms in liquid-liquid extraction by molecular dynamics simulation. <i>International Journal of Heat and Mass Transfer</i> , 2021, 173, 121236.	2.5	8
20	Performance investigation of proton exchange membrane fuel cells with curved membrane electrode assemblies caused by pressure differences between cathode and anode. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 37393-37405.	3.8	13
21	Polymorphisms analysis for association between ADIPO signaling pathway and genetic susceptibility to T2DM in Chinese han population. <i>Adipocyte</i> , 2021, 10, 463-474.	1.3	1
22	A method to fabricate supported catalytic packing: Polydopamine as a "Double-Sided Adhesive" to prepare the fully covered seeding layer. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 132, 104116-104116.	2.7	1
23	Asymmetric synthesis of N-axially chiral compounds via organocatalytic atroposelective N-acylation. <i>Chemical Science</i> , 2021, 13, 141-148.	3.7	53
24	Optimal design of a novel M-like channel in bipolar plates of proton exchange membrane fuel cell based on minimum entropy generation. <i>Energy Conversion and Management</i> , 2020, 205, 112386.	4.4	36
25	A multi-scale approach to optimize vapor-liquid mass transfer layer in structured catalytic packing. <i>Chemical Engineering Science</i> , 2020, 214, 115434.	1.9	9
26	Volume averaging theory (VAT) based modeling for longitudinal mass dispersion in structured porous medium with porous particles. <i>Chemical Engineering Research and Design</i> , 2020, 153, 582-591.	2.7	8
27	Adjusting surface acidity of hollow mesoporous carbon nanospheres for enhanced adsorptive denitrogenation of fuels. <i>Chemical Engineering Science</i> , 2020, 228, 115963.	1.9	12
28	Numerical Simulation of Solid Combustion in Microporous Particles. <i>Frontiers in Chemistry</i> , 2020, 8, 510686.	1.8	3
29	Performance of Parallel, Interdigitated, and Serpentine Flow Field PEM Fuel Cells with Straight or Wavelike Channels. <i>Journal of Energy Engineering - ASCE</i> , 2020, 146, .	1.0	20
30	Multiphase flow and multicomponent reactive transport study in the catalyst layer of structured catalytic packings for the direct hydration of cyclohexene. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 158, 108199.	1.8	5
31	Diffusion simulation based design and macroporous structure tailored preparation of FCC naphtha selective hydrodesulfurization catalyst. <i>Fuel Processing Technology</i> , 2020, 208, 106498.	3.7	12
32	Perspective: Towards Automated Tracking of Content and Evidence Appraisal of Nutrition Research. <i>Advances in Nutrition</i> , 2020, 11, 1079-1088.	2.9	4
33	Smad3 promotes AKI sensitivity in diabetic mice via interaction with p53 and induction of NOX4-dependent ROS production. <i>Redox Biology</i> , 2020, 32, 101479.	3.9	58
34	Enantioselective Allylation of Oxocarbenium Ions Catalyzed by Bi(OAc) ₃ /Chiral Phosphoric Acid. <i>ACS Catalysis</i> , 2020, 10, 8069-8076.	5.5	22
35	Dynamic Kinetic Resolution of Axially Chiral Naphthamides via Atroposelective Allylic Alkylation Reaction. <i>Organic Letters</i> , 2019, 21, 5495-5499.	2.4	13
36	Quantum Dots Supply Bulk- and Surface-Passivation Agents for Efficient and Stable Perovskite Solar Cells. <i>Joule</i> , 2019, 3, 1963-1976.	11.7	222

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37	Disturbance of mitochondrial dynamics and mitophagy in sepsis-induced acute kidney injury. <i>Life Sciences</i> , 2019, 235, 116828.	2.0	53
38	MAPbI ₃ Single Crystals Free from Hole-Trapping Centers for Enhanced Photodetectivity. <i>ACS Energy Letters</i> , 2019, 4, 2579-2584.	8.8	40
39	Solution-Processed Visible-Blind Ultraviolet Photodetectors with Nanosecond Response Time and High Detectivity. <i>Advanced Optical Materials</i> , 2019, 7, 1900506.	3.6	60
40	Ring-opening C ³ -C coupling of cyclobutanone oxime esters for the preparation of cyanoalkyl containing heterocycles enabled by photocatalysis. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2765-2770.	2.3	58
41	Metal-Free Direct C-H Cyanoalkylation of Quinoxalin-2(1H)-Ones by Organic Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 7786-7795.	1.7	58
42	An Ontology to Standardize Research Output of Nutritional Epidemiology: From Paper-Based Standards to Linked Content. <i>Nutrients</i> , 2019, 11, 1300.	1.7	20
43	Single-Crystal MAPbI ₃ Perovskite Solar Cells Exceeding 21% Power Conversion Efficiency. <i>ACS Energy Letters</i> , 2019, 4, 1258-1259.	8.8	424
44	Visible-Light-Triggered Cyanoalkylation of <i>para</i> -Quinone Methides and Its Application to the Synthesis of GPR40 Agonists. <i>Organic Letters</i> , 2019, 21, 4137-4142.	2.4	43
45	Lattice Boltzmann simulation of intraparticle diffusivity in porous pellets with macro-mesopore structure. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 1014-1028.	2.5	19
46	Catalyst-free amination of α -cyanoarylacetates enabled by single-electron transfer. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1900-1904.	2.3	5
47	Light-Induced Self-Assembly of Cubic CsPbBr ₃ Perovskite Nanocrystals into Nanowires. <i>Chemistry of Materials</i> , 2019, 31, 6642-6649.	3.2	119
48	Experimental study on mass transport mechanism in poly (styrene-co-divinylbenzene) microspheres with hierarchical pore structure. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 139, 183-192.	1.8	8
49	Reducing waste in nutritional epidemiology: review and perspectives. <i>Proceedings of the Nutrition Society</i> , 2019, 78, 475-483.	0.4	2
50	From DIKW pyramid to graph database: a tool for machine processing of nutritional epidemiologic research data. , 2019, , .		5
51	Prospects of and limitations to the clinical applications of genistein. <i>Discovery Medicine</i> , 2019, 27, 177-188.	0.5	14
52	Joint Data Analysis in Nutritional Epidemiology: Identification of Observational Studies and Minimal Requirements. <i>Journal of Nutrition</i> , 2018, 148, 285-297.	1.3	13
53	Lattice Boltzmann simulation of asymptotic longitudinal mass dispersion in reconstructed random porous media. <i>AIChE Journal</i> , 2018, 64, 2770-2780.	1.8	14
54	Atroposelective Catalytic Asymmetric Allylic Alkylation Reaction for Axially Chiral Anilides with Achiral Morita-Baylis-Hillman Carbonates. <i>Journal of the American Chemical Society</i> , 2018, 140, 12836-12843.	6.6	108

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55	Asiatic acid protects against cisplatin-induced acute kidney injury via anti-apoptosis and anti-inflammation. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 1354-1362.	2.5	44
56	Double Charged Surface Layers in Lead Halide Perovskite Crystals. <i>Nano Letters</i> , 2017, 17, 2021-2027.	4.5	60
57	The Surface of Hybrid Perovskite Crystals: A Boon or Bane. <i>ACS Energy Letters</i> , 2017, 2, 846-856.	8.8	91
58	The Regulatory T-cell Transcription Factor Foxp3 Protects against Crescentic Glomerulonephritis. <i>Scientific Reports</i> , 2017, 7, 1481.	1.6	21
59	Heat transfer performance assessment of hybrid nanofluids in a parallel channel under identical pumping power. <i>Chemical Engineering Science</i> , 2017, 168, 67-77.	1.9	33
60	Upscaling multicomponent transport in porous media with a linear reversible heterogeneous reaction. <i>Chemical Engineering Science</i> , 2017, 171, 100-116.	1.9	16
61	Optimization of process-specific catalytic packing in catalytic distillation process: A multi-scale strategy. <i>Chemical Engineering Science</i> , 2017, 174, 472-486.	1.9	15
62	Ultralong Radiative States in Hybrid Perovskite Crystals: Compositions for Submillimeter Diffusion Lengths. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4386-4390.	2.1	83
63	Blockage of the lysosome-dependent autophagic pathway contributes to complement membrane attack complex-induced podocyte injury in idiopathic membranous nephropathy. <i>Scientific Reports</i> , 2017, 7, 8643.	1.6	49
64	Perspective: Essential Study Quality Descriptors for Data from Nutritional Epidemiologic Research. <i>Advances in Nutrition</i> , 2017, 8, 639-651.	2.9	12
65	A Volume Averaging Theory for Convective Flow in a Nanofluid Saturated Metal Foam. <i>Fluids</i> , 2016, 1, 8.	0.8	1
66	p62 links the autophagy pathway and the ubiquitin-proteasome system upon ubiquitinated protein degradation. <i>Cellular and Molecular Biology Letters</i> , 2016, 21, 29.	2.7	621
67	Forced convective transport of alumina-water nanofluid in micro-channels subject to constant heat flux. <i>Chemical Engineering Science</i> , 2016, 152, 311-322.	1.9	15
68	Upscaling of mass and thermal transports in porous media with heterogeneous combustion reactions. <i>International Journal of Heat and Mass Transfer</i> , 2015, 84, 862-875.	2.5	16
69	Effect of temperature jump on forced convective transport of nanofluids in the continuum flow and slip flow regimes. <i>Chemical Engineering Science</i> , 2015, 137, 730-739.	1.9	21
70	Isobaric vapor-liquid equilibrium of the binary system sec-butyl acetate +para-xylene and the quaternary system methyl acetate +para-xylene +sec-butyl acetate + acetic acid at 101.3 kPa. <i>Fluid Phase Equilibria</i> , 2015, 402, 50-55.	1.4	12
71	Upscaling for Adiabatic Solid-Fluid Reactions in Porous Medium Using a Volume Averaging Theory. <i>Transport in Porous Media</i> , 2015, 108, 497-529.	1.2	6
72	Upscaling solute concentration transport equations of countercurrent dialyzer systems. <i>Chemical Engineering Science</i> , 2015, 134, 108-118.	1.9	7

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73	Actinomycetes from Red Sea Sponges: Sources for Chemical and Phylogenetic Diversity. <i>Marine Drugs</i> , 2014, 12, 2771-2789.	2.2	72
74	The expression of renal Epstein-Barr virus markers in patients with lupus nephritis. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 1135-1140.	0.8	20
75	Autophagy activation reduces renal tubular injury induced by urinary proteins. <i>Autophagy</i> , 2014, 10, 243-256.	4.3	77
76	Theoretical Conclusions About the Claims of Anomalous Heat Transfer Enhancement Associated With Nanofluids. , 2013, , .		1
77	A Local Thermal Non-Equilibrium Analysis of Forced Convective Heat Transfer in a Metal Foam Filled Channel. <i>Kagaku Kogaku Ronbunshu</i> , 2013, 39, 78-85.	0.1	1
78	Heat transfer performance assessment for forced convection in a tube partially filled with a porous medium. <i>International Journal of Thermal Sciences</i> , 2012, 54, 98-108.	2.6	86
79	A study on interstitial heat transfer in consolidated and unconsolidated porous media. <i>Heat and Mass Transfer</i> , 2009, 45, 1365-1372.	1.2	49
80	Adsorption of Co(II) and Mn(II) ions from pure terephthalic acid wastewater onto Na-bentonite. <i>Desalination and Water Treatment</i> , 0, , 1-11.	1.0	0