

Chong Shen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2685108/publications.pdf>

Version: 2024-02-01

83
papers

2,664
citations

182225

30
h-index

232693

48
g-index

83
all docs

83
docs citations

83
times ranked

3963
citing authors

#	ARTICLE	IF	CITATIONS
1	Azido-group functionalized graphene oxide/polysulfone mixed matrix ultrafiltration membrane with enhanced interfacial compatibility for efficient water and wastewater treatment. <i>Separation and Purification Technology</i> , 2022, 283, 120162.	3.9	19
2	Porous composite membrane based on organic substrate for molecular sieving: Current status, opportunities and challenges. , 2022, 2, 100027.		13
3	Functionalized MOF-Derived Nanoporous Carbon as Compatible Nanofiller to Fabricate Defect-Free PDMS-Based Mixed Matrix Pervaporation Membranes. <i>ACS Omega</i> , 2022, 7, 15786-15794.	1.6	9
4	Hydrogel microfluidicâ€based liverâ€onâ€aâ€chip: Mimicking the mass transfer and structural features of liver. <i>Biotechnology and Bioengineering</i> , 2021, 118, 612-621.	1.7	16
5	Preparation of Amino-Functional UiO-66/PIMs Mixed Matrix Membranes with [bmim][Tf2N] as Regulator for Enhanced Gas Separation. <i>Membranes</i> , 2021, 11, 35.	1.4	25
6	Confined assembly of ultrathin dual-functionalized Z-MXene nanosheet intercalated GO nanofilms with controlled structure for size-selective permeation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12236-12243.	5.2	26
7	Novel Thin Film Nanocomposite Forward Osmosis Membranes Prepared by Organic Phase Controlled Interfacial Polymerization with Functional Multi-Walled Carbon Nanotubes. <i>Membranes</i> , 2021, 11, 476.	1.4	4
8	Rhamnolipids Sustain Unchanged Surface Activities during Decomposition in Alkaline Solutions. <i>ACS Omega</i> , 2021, 6, 15750-15755.	1.6	3
9	Confined assembly of ultrathin nanoporous nitrogen-doped graphene nanofilms with dual metal coordination chemistry. <i>IScience</i> , 2021, 24, 102576.	1.9	7
10	PSU-g-SBMA hollow fiber membrane for treatment of oily wastewater. <i>Water Science and Technology</i> , 2021, 84, 3576-3585.	1.2	8
11	Polyphenol etched ZIF-8 modified graphene oxide nanofiltration membrane for efficient removal of salts and organic molecules. <i>Journal of Membrane Science</i> , 2021, 635, 119521.	4.1	35
12	In Situ Assembly of Polyamide/Fe(BTC) Nanocomposite Reverse Osmosis Membrane Assisted by Fe ³⁺ â€Polyphenolic Complex for Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48679-48690.	4.0	16
13	Hierarchical N-Doped CuO/Cu Composites Derived from Dual-Ligand Metalâ€Organic Frameworks as Cost-Effective Catalysts for Low-Temperature CO Oxidation. <i>ACS Omega</i> , 2021, 6, 29596-29608.	1.6	5
14	Fluorescently visualizing the penetration of anionic surfactants across cytoplasmic membrane and the subsequent damage on human cells. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	0
15	Confined encapsulation of living cells in self-assembled fiber microspheres with micro/nanoporous polymer shells for the transformation of contaminants to green energy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1929-1938.	5.2	11
16	Recent progress towards industrial rhamnolipids fermentation: Process optimization and foam control. <i>Bioresource Technology</i> , 2020, 298, 122394.	4.8	79
17	Cells with Higher Cortical Membrane Tension Are More Sensitive to Lysis by Biosurfactant Di-rhamnolipids. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 352-357.	2.6	4
18	Self-assembly of a highly stable and active Co3O4/H-TiO2 bulk heterojunction with high-energy interfacial structures for low temperature CO catalytic oxidation. <i>Catalysis Science and Technology</i> , 2020, 10, 8374-8382.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Self-assembly of robust graphene oxide membranes with chirality for highly stable and selective molecular separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16985-16993.	5.2	28
20	Synthesis of amino-functionalized Ti ₃ C ₂ T _x MXene by alkalization-grafting modification for efficient lead adsorption. <i>Chemical Communications</i> , 2020, 56, 11283-11286.	2.2	92
21	Crystal Facet Induced Single-Atom Pd/Co _x O _y on a Tunable Metal-Support Interface for Low Temperature Catalytic Oxidation. <i>Small</i> , 2020, 16, e2002071.	5.2	22
22	Recent progress and trends in the analysis and identification of rhamnolipids. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8171-8186.	1.7	23
23	Synthesis and Characterization of Fluorescent Surfactants for Studying the Penetration of Cosmetic Surfactants on the Skin. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 937-943.	1.0	3
24	Extraction Separation of Rhamnolipids by n-Hexane via Forming Reverse Micelles. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 883.	1.0	5
25	PIM-1/PAN Thin-Film Composite Hollow Fiber Membrane as Structured Packings for Isopropanol (IPA)/Water Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6210-6218.	1.8	5
26	Polyethylenimine-Grafted-Corn cob as a Multifunctional Biomaterial for Removing Heavy Metal Ions and Killing Bacteria from Water. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17476-17482.	1.8	9
27	Non-swelling F127-DA hydrogel with concave microwells for formation of uniform-sized vascular spheroids. <i>RSC Advances</i> , 2020, 10, 44494-44502.	1.7	6
28	Template-free Synthesis of Stable Cobalt Manganese Spinel Hollow Nanostructured Catalysts for Highly Water-Resistant CO Oxidation. <i>IScience</i> , 2019, 21, 19-30.	1.9	11
29	Non-swelling hydrogel-based microfluidic chips. <i>Lab on A Chip</i> , 2019, 19, 3962-3973.	3.1	38
30	Membrane photo-bioreactor coupled with heterogeneous Fenton fluidized bed for high salinity wastewater treatment: Pollutant removal, photosynthetic bacteria harvest and membrane anti-fouling analysis. <i>Science of the Total Environment</i> , 2019, 696, 133953.	3.9	22
31	Guanidyl-functionalized graphene/polysulfone mixed matrix ultrafiltration membrane with superior permselective, antifouling and antibacterial properties for water treatment. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 295-305.	5.0	76
32	Cadmium removal from rice protein via synergistic treatment of rhamnolipids and F127/PAA hydrogels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 734-739.	2.5	9
33	Distillation of alcohol/water solution in hybrid metal-organic framework hollow fibers. <i>AIChE Journal</i> , 2019, 65, e16693.	1.8	17
34	Zeolite Imidazolate Framework Membranes on Polymeric Substrates Modified with Poly(vinyl alcohol) and Alginate Composite Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12605-12612.	4.0	32
35	Amino-functionalized hypercrosslinked polymers for highly selective anionic dye removal and CO ₂ /N ₂ separation. <i>New Journal of Chemistry</i> , 2019, 43, 17267-17274.	1.4	24
36	Antibacterial Coatings of Biomedical Surfaces by Polydextran Aldehyde/Polyethylenimine Nanofibers. <i>ACS Applied Bio Materials</i> , 2019, 2, 562-569.	2.3	9

#	ARTICLE	IF	CITATIONS
37	Designing amino β -based ionic liquids for improved carbon capture: One amine binds two CO ₂ . <i>AIChE Journal</i> , 2019, 65, 230-238.	1.8	58
38	Synthesis of F127/PAA hydrogels for removal of heavy metal ions from organic wastewater. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 176-182.	2.5	32
39	Pb ²⁺ and Hg ²⁺ removal from polluted milk by di-acrylated Pluronic P123 hydrogels. <i>Food Chemistry</i> , 2018, 258, 331-336.	4.2	18
40	Oscillating membrane photoreactor combined with salt-tolerated <i>Chlorella pyrenoidosa</i> for landfill leachates treatment. <i>Bioresource Technology</i> , 2018, 269, 134-142.	4.8	14
41	Fabrication of Hydrogel Tubes with Vascular Mimicked Stiffness for Construction of in Vitro Vascular Models. <i>ACS Applied Bio Materials</i> , 2018, 1, 237-245.	2.3	2
42	Construction of low contracted 3D skin equivalents by genipin crosslinking. <i>Experimental Dermatology</i> , 2018, 27, 1098-1103.	1.4	10
43	Toward high-efficiency production of biosurfactant rhamnolipids using sequential fed-batch fermentation based on a fill-and-draw strategy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 317-324.	2.5	38
44	Mechanically strong interpenetrating network hydrogels for differential cellular adhesion. <i>RSC Advances</i> , 2017, 7, 18046-18053.	1.7	9
45	Non-activation MOF arrays as a coating layer to fabricate a stable superhydrophobic micro/nano flower-like architecture. <i>Chemical Communications</i> , 2017, 53, 8340-8343.	2.2	43
46	Enhanced rhamnolipids production via efficient foam-control using stop valve as a foam breaker. <i>Bioresource Technology</i> , 2017, 224, 536-543.	4.8	22
47	Anoxic oscillating MBR for photosynthetic bacteria harvesting and high salinity wastewater treatment. <i>Bioresource Technology</i> , 2017, 224, 69-77.	4.8	52
48	Targeted killing of myofibroblasts by biosurfactant di-rhamnolipid suggests a therapy against scar formation. <i>Scientific Reports</i> , 2016, 6, 37553.	1.6	29
49	Foliar penetration enhanced by biosurfactant rhamnolipid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 548-554.	2.5	38
50	Mechanism Study on the Severe Foaming of Rhamnolipid in Fermentation. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 833-840.	1.0	30
51	Metal-organic framework channelled graphene composite membranes for H ₂ /CO ₂ separation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18747-18752.	5.2	80
52	Transformation of metal-organic frameworks for molecular sieving membranes. <i>Nature Communications</i> , 2016, 7, 11315.	5.8	140
53	Assembly of MOF Microcapsules with Size-Selective Permeability on Cell Walls. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 955-959.	7.2	92
54	Antimicrobial polysulfone blended ultrafiltration membranes prepared with Ag/Cu ₂ O hybrid nanowires. <i>Journal of Membrane Science</i> , 2016, 509, 83-93.	4.1	78

#	ARTICLE	IF	CITATIONS
55	Design of 3D printed insert for hanging culture of Caco-2 cells. <i>Biofabrication</i> , 2015, 7, 015003.	3.7	8
56	A submerged membrane bioreactor with pendulum type oscillation (PTO) for oily wastewater treatment: Membrane permeability and fouling control. <i>Bioresource Technology</i> , 2015, 183, 33-41.	4.8	33
57	Fabrication of Collagen Gel Hollow Fibers by Covalent Cross-Linking for Construction of Bioengineering Renal Tubules. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19789-19797.	4.0	26
58	Metal based gels as versatile precursors to synthesize stiff and integrated MOF/polymer composite membranes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20345-20351.	5.2	45
59	PPO/PEO modified hollow fiber membranes improved sensitivity of 3D cultured hepatocytes to drug toxicity via suppressing drug adsorption on membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 762-769.	2.5	5
60	Self-assembled graphene oxide microcapsules with adjustable permeability and yolk-shell superstructures derived from atomized droplets. <i>Chemical Communications</i> , 2014, 50, 15867-15869.	2.2	29
61	Application of biosurfactant rhamnolipid for cleaning of UF membranes. <i>Journal of Membrane Science</i> , 2014, 457, 113-119.	4.1	28
62	Rhamnolipids elicit the same cytotoxic sensitivity between cancer cell and normal cell by reducing surface tension of culture medium. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 10187-10196.	1.7	39
63	Stiff metal-organic framework-polyacrylonitrile hollow fiber composite membranes with high gas permeability. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2110-2118.	5.2	116
64	Non-activation ZnO array as a buffering layer to fabricate strongly adhesive metal-organic framework/PVDF hollow fiber membranes. <i>Chemical Communications</i> , 2014, 50, 9711.	2.2	49
65	Application of rhamnolipid as a novel biodemulsifier for destabilizing waste crude oil. <i>Bioresource Technology</i> , 2013, 131, 1-5.	4.8	94
66	Novel polysulfone hybrid ultrafiltration membrane prepared with TiO ₂ -g-HEMA and its antifouling characteristics. <i>Journal of Membrane Science</i> , 2013, 436, 163-173.	4.1	195
67	Increased curvature of hollow fiber membranes could up-regulate differential functions of renal tubular cell layers. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2173-2183.	1.7	26
68	Species-specific toxicity of troglitazone on rats and human by gel entrapped hepatocytes. <i>Toxicology and Applied Pharmacology</i> , 2012, 258, 19-25.	1.3	14
69	The addition of ethanol as defoamer in fermentation of rhamnolipids. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 368-373.	1.6	23
70	A novel 3D liver organoid system for elucidation of hepatic glucose metabolism. <i>Biotechnology and Bioengineering</i> , 2012, 109, 595-604.	1.7	35
71	Chemical modification of polysulfone membrane by polyethylene glycol for resisting drug adsorption and self-assembly of hepatocytes. <i>Journal of Membrane Science</i> , 2011, 369, 474-481.	4.1	33
72	Three-dimensional culture of hepatocytes for prediction of drug-induced hepatotoxicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010, 6, 733-746.	1.5	107

#	ARTICLE	IF	CITATIONS
73	Establishment of a methodology for investigating protectants against ethanol-induced hepatotoxicity. <i>Food and Chemical Toxicology</i> , 2010, 48, 1145-1151.	1.8	16
74	Effects of baffles on separation of aqueous ethanol solution with hollow fibers. <i>Frontiers of Chemical Engineering in China</i> , 2009, 3, 68-72.	0.6	3
75	Hypothermic Preservation of Hepatocytes. <i>Biotechnology Progress</i> , 2008, 19, 1118-1127.	1.3	30
76	Clozapine-induced hepatotoxicity in rat hepatocytes by gel entrapment and monolayer culture. <i>Toxicology in Vitro</i> , 2008, 22, 1754-1760.	1.1	23
77	Reuse of waste frying oil for production of rhamnolipids using <i>Pseudomonas aeruginosa</i> zju.u1M. <i>Journal of Zhejiang University: Science A</i> , 2007, 8, 1514-1520.	1.3	49
78	Enhanced crude oil biodegradability of <i>Pseudomonas aeruginosa</i> ZJU after preservation in crude oil-containing medium. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 7-14.	1.7	19
79	Sensitivities of gel entrapped hepatocytes in hollow fibers to hepatotoxic drug. <i>Toxicology Letters</i> , 2006, 166, 19-26.	0.4	16
80	Isoniazid-induced hepatotoxicity in rat hepatocytes of gel entrapment culture. <i>Toxicology Letters</i> , 2006, 167, 66-74.	0.4	35
81	Direct Self-assembly of Hepatocytes Spheroids within Hollow Fibers in Presence of Collagen. <i>Biotechnology Letters</i> , 2006, 28, 279-284.	1.1	9
82	Acetaminophen-induced hepatotoxicity of gel entrapped rat hepatocytes in hollow fibers. <i>Chemico-Biological Interactions</i> , 2006, 162, 53-61.	1.7	46
83	Hepatocyte culture in bioartificial livers with different membrane characteristics. <i>Biotechnology Letters</i> , 2004, 26, 1407-1412.	1.1	13