

Ziye Dong

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,264
citations

516710

16
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1940
citing authors

#	ARTICLE	IF	CITATIONS
1	A Graphene Oxide Membrane with Highly Selective Molecular Separation of Aqueous Organic Solution. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6929-6932.	13.8	409
2	High performance ceramic hollow fiber supported PDMS composite pervaporation membrane for bio-butanol recovery. <i>Journal of Membrane Science</i> , 2014, 450, 38-47.	8.2	136
3	Growth of a ZIF-8 membrane on the inner-surface of a ceramic hollow fiber via cycling precursors. <i>Chemical Communications</i> , 2013, 49, 10326.	4.1	104
4	Bridging Hydrometallurgy and Biochemistry: A Protein-Based Process for Recovery and Separation of Rare Earth Elements. <i>ACS Central Science</i> , 2021, 7, 1798-1808.	11.3	71
5	Photopatternable Nanolayered Polymeric Films with Fast Tunable Color Responses Triggered by Humidity. <i>Advanced Functional Materials</i> , 2019, 29, 1904453.	14.9	61
6	Hollow fiber modules with ceramic-supported PDMS composite membranes for pervaporation recovery of bio-butanol. <i>Separation and Purification Technology</i> , 2015, 146, 24-32.	7.9	57
7	Multichannel mixed-conducting hollow fiber membranes for oxygen separation. <i>AIChE Journal</i> , 2014, 60, 1969-1976.	3.6	36
8	Engineering cell aggregates through incorporated polymeric microparticles. <i>Acta Biomaterialia</i> , 2017, 62, 64-81.	8.3	36
9	Projection Microstereolithographic Microbial Bioprinting for Engineered Biofilms. <i>Nano Letters</i> , 2021, 21, 1352-1359.	9.1	33
10	Electroresponsive Homogeneous Polyelectrolyte Complex Hydrogels from Naturally Derived Polysaccharides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7052-7063.	6.7	32
11	Techno-Economic and Life Cycle Assessments for Sustainable Rare Earth Recovery from Coal Byproducts using Biosorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17914-17922.	6.7	30
12	Ceramic hollow fiber membrane distributor for heterogeneous catalysis: Effects of membrane structure and operating conditions. <i>Chemical Engineering Journal</i> , 2013, 223, 356-363.	12.7	26
13	Polydimethylsiloxane (PDMS) Composite Membrane Fabricated on the Inner Surface of a Ceramic Hollow Fiber: From Single-Channel to Multi-Channel. <i>Engineering</i> , 2020, 6, 89-99.	6.7	23
14	Enhanced capture and release of circulating tumor cells using hollow glass microspheres with a nanostructured surface. <i>Nanoscale</i> , 2018, 10, 16795-16804.	5.6	21
15	Capturing an elusive but critical element: Natural protein enables actinium chemistry. <i>Science Advances</i> , 2021, 7, eabk0273.	10.3	19
16	Cell Isolation and Recovery Using Hollow Glass Microspheres Coated with Nanolayered Films for Applications in Resource-Limited Settings. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15265-15273.	8.0	16
17	Reversibly tunable coupled and decoupled super absorbing structures. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	15
18	Effective reduction of non-specific binding of blood cells in a microfluidic chip for isolation of rare cancer cells. <i>Biomaterials Science</i> , 2018, 6, 2871-2880.	5.4	15

#	ARTICLE	IF	CITATIONS
19	Nanoparticle modification of microfluidic cell separation for cancer cell detection and isolation. <i>Analyst, The</i> , 2020, 145, 257-267.	3.5	15
20	A benchtop capillary flow layer-by-layer (CF-LbL) platform for rapid assembly and screening of biodegradable nanolayered films. <i>Lab on A Chip</i> , 2016, 16, 4601-4611.	6.0	13
21	Microfluidic preparation, shrinkage, and surface modification of monodispersed alginate microbeads for 3D cell culture. <i>RSC Advances</i> , 2019, 9, 11101-11110.	3.6	12
22	Microbe-Encapsulated Silica Gel Biosorbents for Selective Extraction of Scandium from Coal Byproducts. <i>Environmental Science & Technology</i> , 2021, 55, 6320-6328.	10.0	12
23	Elastocapillary bundling of high aspect-ratio metallic glass nanowires. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	8
24	Microbial Carbonation of Monocalcium Silicate. <i>ACS Omega</i> , 2022, 7, 12524-12535.	3.5	1
25	Biology-Based Approach for Selective Extraction of Rare Earth Elements from Coal Byproducts. , 2020, , .		0