

# 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	Microbial Carbonation of Monocalcium Silicate. ACS Omega, 2022, 7, 12524-12535.	3.5	1
2	Microbe-Encapsulated Silica Gel Biosorbents for Selective Extraction of Scandium from Coal Byproducts. Environmental Science & Technology, 2021, 55, 6320-6328.	10.0	12
3	Projection Microstereolithographic Microbial Bioprinting for Engineered Biofilms. Nano Letters, 2021, 21, 1352-1359.	9.1	33
4	Capturing an elusive but critical element: Natural protein enables actinium chemistry. Science Advances, 2021, 7, eabk0273.	10.3	19
5	Bridging Hydrometallurgy and Biochemistry: A Protein-Based Process for Recovery and Separation of Rare Earth Elements. ACS Central Science, 2021, 7, 1798-1808.	11.3	71
6	Polydimethylsiloxane (PDMS) Composite Membrane Fabricated on the Inner Surface of a Ceramic Hollow Fiber: From Single-Channel to Multi-Channel. Engineering, 2020, 6, 89-99.	6.7	23
7	Nanoparticle modification of microfluidic cell separation for cancer cell detection and isolation. Analyst, The, 2020, 145, 257-267.	3.5	15
8	Techno-Economic and Life Cycle Assessments for Sustainable Rare Earth Recovery from Coal Byproducts using Biosorption. ACS Sustainable Chemistry and Engineering, 2020, 8, 17914-17922.	6.7	30
9	Biology-Based Approach for Selective Extraction of Rare Earth Elements from Coal Byproducts. , 2020, , .		0
10	Photopatternable Nanolayered Polymeric Films with Fast Tunable Color Responses Triggered by Humidity. Advanced Functional Materials, 2019, 29, 1904453.	14.9	61
11	Microfluidic preparation, shrinkage, and surface modification of monodispersed alginate microbeads for 3D cell culture. RSC Advances, 2019, 9, 11101-11110.	3.6	12
12	Electroresponsive Homogeneous Polyelectrolyte Complex Hydrogels from Naturally Derived Polysaccharides. ACS Sustainable Chemistry and Engineering, 2018, 6, 7052-7063.	6.7	32
13	Effective reduction of non-specific binding of blood cells in a microfluidic chip for isolation of rare cancer cells. Biomaterials Science, 2018, 6, 2871-2880.	5.4	15
14	Enhanced capture and release of circulating tumor cells using hollow glass microspheres with a nanostructured surface. Nanoscale, 2018, 10, 16795-16804.	5.6	21
15	Cell Isolation and Recovery Using Hollow Glass Microspheres Coated with Nanolayered Films for Applications in Resource-Limited Settings. ACS Applied Materials & Interfaces, 2017, 9, 15265-15273.	8.0	16
16	Elastocapillary bundling of high aspect-ratio metallic glass nanowires. Applied Physics Letters, 2017, 111, .	3.3	8
17	Engineering cell aggregates through incorporated polymeric microparticles. Acta Biomaterialia, 2017, 62, 64-81.	8.3	36
18	Reversibly tunable coupled and decoupled super absorbing structures. Applied Physics Letters, 2016, 108, .	3.3	15

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Multichannel mixed-ion conducting hollow fiber membranes for oxygen separation. <i>AICHE Journal</i> , 2014, 60, 1969-1976.	3.6	36
22	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
23	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
24	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
25	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