

# Yan Zhao

## List of Publications by Year in descending order

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44  
papers

1,821  
citations

201385

27  
h-index

264894

42  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the bio-inspired modification of low-cost membranes with TiO <sub>2</sub> :ZnO as microbial fuel cell membranes. <i>Chemosphere</i> , 2022, 291, 132840.	4.2	10
2	Membrane bioreactors for hospital wastewater treatment: recent advancements in membranes and processes. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 634-660.	2.3	9
3	Self-assembled embedding of ion exchange materials into nanofiber-based hydrogel framework for fluoride capture. <i>Chemical Engineering Journal</i> , 2022, 431, 134201.	6.6	29
4	Enhanced organic solvent nanofiltration of aligned Kevlar composite membrane by incorporated with amino-polystyrene nanospheres. <i>Journal of Membrane Science</i> , 2022, 647, 120290.	4.1	7
5	Ionic Control of Functional Zeolitic Imidazolate Framework-Based Membrane for Tailoring Selectivity toward Target Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 11038-11049.	4.0	11
6	An integrated separation technology for high fluoride-containing wastewater treatment: Fluoride removal, membrane fouling behavior and control. <i>Journal of Cleaner Production</i> , 2022, 349, 131225.	4.6	21
7	Investigation of fluoride and silica removal from semiconductor wastewaters with a clean coagulation-ultrafiltration process. <i>Chemical Engineering Journal</i> , 2022, 438, 135562.	6.6	17
8	Advanced ion transfer materials in electro-driven membrane processes for sustainable ion-resource extraction and recovery. <i>Progress in Materials Science</i> , 2022, 128, 100958.	16.0	36
9	Alternating electric field-based ionic control and layer-by-layer assembly of anion exchange membranes for enhancing target anion selectivity. <i>Desalination</i> , 2022, 533, 115773.	4.0	4
10	Vanadium recovery by electrodialysis using polymer inclusion membranes. <i>Journal of Hazardous Materials</i> , 2022, 436, 129315.	6.5	7
11	A review on nanofibrous separators towards enhanced mechanical properties for lithium-ion batteries. <i>Composites Part B: Engineering</i> , 2022, 243, 110105.	5.9	17
12	Composite anti-scaling membrane made of interpenetrating networks of nanofibers for selective separation of lithium. <i>Journal of Membrane Science</i> , 2021, 618, 118668.	4.1	59
13	Review of Thermal- and Membrane-based Water Desalination Technologies and Integration with Alternative Energy Sources. <i>Materials and Energy</i> , 2021, , 1-40.	2.5	0
14	Metal-organic framework based membranes for selective separation of target ions. <i>Journal of Membrane Science</i> , 2021, 634, 119407.	4.1	60
15	A continuous mode operation of bipolar membrane electrodialysis (BMED) for the production of high-pure choline hydroxide from choline chloride. <i>Separation and Purification Technology</i> , 2020, 233, 116054.	3.9	29
16	Nitrate-Selective Anion Exchange Membranes Prepared using Discarded Reverse Osmosis Membranes as Support. <i>Membranes</i> , 2020, 10, 377.	1.4	9
17	The potential of Kevlar aramid nanofiber composite membranes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7548-7568.	5.2	114
18	Electric field-based ionic control of selective separation layers. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4244-4251.	5.2	40

#	ARTICLE	IF	CITATIONS
19	Nanofiber Based Organic Solvent Anion Exchange Membranes for Selective Separation of Monovalent anions. ACS Applied Materials & Interfaces, 2020, 12, 7539-7547.	4.0	32
20	Prospects of nanocomposite membranes for water treatment by electrodriven membrane processes. , 2020, , 321-354.		1
21	Symmetrically recombined nanofibers in a high-selectivity membrane for cation separation in high temperature and organic solvent. Journal of Materials Chemistry A, 2019, 7, 20006-20012.	5.2	26
22	Alternating current enhanced deposition of a monovalent selective coating for anion exchange membranes with antifouling properties. Separation and Purification Technology, 2019, 229, 115807.	3.9	31
23	Technology-driven layer-by-layer assembly of a membrane for selective separation of monovalent anions and antifouling. Nanoscale, 2019, 11, 2264-2274.	2.8	70
24	Structure architecture of micro/nanoscale ZIF-L on a 3D printed membrane for a superhydrophobic and underwater superoleophobic surface. Journal of Materials Chemistry A, 2019, 7, 2723-2729.	5.2	79
25	Thin and robust organic solvent cation exchange membranes for ion separation. Journal of Materials Chemistry A, 2019, 7, 13903-13909.	5.2	30
26	MOF-positioned polyamide membranes with a fishnet-like structure for elevated nanofiltration performance. Journal of Materials Chemistry A, 2019, 7, 16313-16322.	5.2	166
27	Integration of selectrodialysis and selectrodialysis with bipolar membrane to salt lake treatment for the production of lithium hydroxide. Desalination, 2019, 465, 1-12.	4.0	53
28	A chemically assembled anion exchange membrane surface for monovalent anion selectivity and fouling reduction. Journal of Materials Chemistry A, 2019, 7, 6348-6356.	5.2	65
29	The Theory and Practice Value of Tunable Nanoscale Interlayer of Graphene: Response to Comment on "Tunable Nanoscale Interlayer of Graphene with Symmetrical Polyelectrolyte Multilayer Architecture for Lithium Extraction" Advanced Materials Interfaces, 2019, 6, 1801924.	1.9	4
30	Mussel-Inspired Monovalent Selective Cation Exchange Membranes Containing Hydrophilic MIL53(Al) Framework for Enhanced Ion Flux. Industrial & Engineering Chemistry Research, 2018, 57, 6275-6283.	1.8	19
31	Graphene Oxide: Tunable Nanoscale Interlayer of Graphene with Symmetrical Polyelectrolyte Multilayer Architecture for Lithium Extraction (Adv. Mater. Interfaces 6/2018). Advanced Materials Interfaces, 2018, 5, 1870025.	1.9	3
32	Tunable Nanoscale Interlayer of Graphene with Symmetrical Polyelectrolyte Multilayer Architecture for Lithium Extraction. Advanced Materials Interfaces, 2018, 5, 1701449.	1.9	57
33	"Sandwich"-like structure modified anion exchange membrane with enhanced monovalent selectivity and fouling resistant. Journal of Membrane Science, 2018, 556, 98-106.	4.1	66
34	Electric-pulse layer-by-layer assembled of anion exchange membrane with enhanced monovalent selectivity. Journal of Membrane Science, 2018, 548, 81-90.	4.1	73
35	A high flux organic solvent nanofiltration membrane from Kevlar aramid nanofibers with <i>in situ</i> incorporation of microspheres. Journal of Materials Chemistry A, 2018, 6, 22987-22997.	5.2	69
36	Formation of morphologically confined nanospaces <i>via</i> self-assembly of graphene and nanospheres for selective separation of lithium. Journal of Materials Chemistry A, 2018, 6, 18859-18864.	5.2	46

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37	Engineering of thermo-/pH-responsive membranes with enhanced gating coefficients, reversible behaviors and self-cleaning performance through acetic acid boosted microgel assembly. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11874-11883.	5.2	42
38	Robust Multilayer Graphene-Organic Frameworks for Selective Separation of Monovalent Anions. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18426-18433.	4.0	44
39	A durable and antifouling monovalent selective anion exchange membrane modified by polydopamine and sulfonated reduced graphene oxide. <i>Separation and Purification Technology</i> , 2018, 207, 116-123.	3.9	42
40	Sulfonated reduced graphene oxide modification layers to improve monovalent anions selectivity and controllable resistance of anion exchange membrane. <i>Journal of Membrane Science</i> , 2017, 536, 167-175.	4.1	71
41	A facile avenue to modify polyelectrolyte multilayers on anion exchange membranes to enhance monovalent selectivity and durability simultaneously. <i>Journal of Membrane Science</i> , 2017, 543, 310-318.	4.1	56
42	An anion exchange membrane modified by alternate electro-deposition layers with enhanced monovalent selectivity. <i>Journal of Membrane Science</i> , 2016, 520, 262-271.	4.1	141
43	Mimicking the cell membrane: bio-inspired simultaneous functions with monovalent anion selectivity and antifouling properties of anion exchange membrane. <i>Scientific Reports</i> , 2016, 6, 37285.	1.6	27
44	Recovery of chemically degraded polyethyleneimine by a re-modification method: prolonging the lifetime of cation exchange membranes. <i>RSC Advances</i> , 2016, 6, 16548-16554.	1.7	29