Zhongyun Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6739454/publications.pdf

Version: 2024-02-01

43 papers	1,793 citations	218592 26 h-index	276775 41 g-index
43 all docs	43 docs citations	43 times ranked	2662 citing authors

#	Article	IF	Citations
1	High-Performance Thin-Film Composite Membrane with an Ultrathin Spray-Coated Carbon Nanotube Interlayer. Environmental Science and Technology Letters, 2018, 5, 243-248.	3.9	176
2	Amphiphobic surface modification of electrospun nanofibrous membranes for anti-wetting performance in membrane distillation. Desalination, 2018, 432, 23-31.	4.0	96
3	Modification of thin film composite polyamide membranes with 3D hyperbranched polyglycerol for simultaneous improvement in their filtration performance and antifouling properties. Journal of Materials Chemistry A, 2017, 5, 23190-23197.	5.2	87
4	Continuous juice concentration by integrating forward osmosis with membrane distillation using potassium sorbate preservative as a draw solute. Journal of Membrane Science, 2019, 573, 192-199.	4.1	85
5	Self-Assembled Biodegradable Proteinâ€“Polymer Vesicle as a Tumor-Targeted Nanocarrier. ACS Applied Materials & Interfaces, 2014, 6, 2393-2400.	4.0	82
6	Sustainable Antibiofouling Properties of Thin Film Composite Forward Osmosis Membrane with Rechargeable Silver Nanoparticles Loading. ACS Applied Materials & Interfaces, 2016, 8, 21666-21673.	4.0	82
7	Molecularly Engineered 6FDAâ€Based Polyimide Membranes for Sour Natural Gas Separation. Angewandte Chemie - International Edition, 2020, 59, 14877-14883.	7.2	69
8	Color-tunable Gd-Zn-Cu-In-S/ZnS quantum dots for dual modality magnetic resonance and fluorescence imaging. Nano Research, 2014, 7, 1581-1591.	5.8	68
9	Smart pH- and reduction-dual-responsive folateâ€“PEG-coated polymeric lipid vesicles for tumor-triggered targeted drug delivery. Nanoscale, 2014, 6, 7635.	2.8	65
10	pH- and Reduction-Responsive Polymeric Lipid Vesicles for Enhanced Tumor Cellular Internalization and Triggered Drug Release. ACS Applied Materials & Interfaces, 2014, 6, 10706-10713.	4.0	59
11	Key Features of Polyimideâ€Derived Carbon Molecular Sieves. Angewandte Chemie - International Edition, 2021, 60, 22322-22331.	7.2	59
12	Surface Engineering of Thin Film Composite Polyamide Membranes with Silver Nanoparticles through Layer-by-Layer Interfacial Polymerization for Antibacterial Properties. ACS Applied Materials & Interfaces, 2017, 9, 40987-40997.	4.0	58
13	MC540 and Upconverting Nanocrystal Coloaded Polymeric Liposome for Near-Infrared Light-Triggered Photodynamic Therapy and Cell Fluorescent Imaging. ACS Applied Materials & Interfaces, 2014, 6, 3219-3225.	4.0	56
14	A Proteinâ€“Polymer Bioconjugate-Coated Upconversion Nanosystem for Simultaneous Tumor Cell Imaging, Photodynamic Therapy, and Chemotherapy. ACS Applied Materials & Interfaces, 2016, 8, 32688-32698.	4.0	54
15	ALD-seeded hydrothermally-grown Ag/ZnO nanorod PTFE membrane as efficient indoor air filter. Journal of Membrane Science, 2017, 531, 86-93.	4.1	51
16	Surprising plasticization benefits in natural gas upgrading using polyimide membranes. Journal of Membrane Science, 2020, 593, 117430.	4.1	51
17	Natural gas sweetening using a cellulose triacetate hollow fiber membrane illustrating controlled plasticization benefits. Journal of Membrane Science, 2020, 601, 117910.	4.1	49
18	Facile and efficient in situ synthesis of silver nanoparticles on diverse filtration membrane surfaces for antimicrobial performance. Applied Surface Science, 2018, 456, 95-103.	3.1	48

#	Article	IF	Citations
19	Improved Anti-Biofouling Performance of Thin -Film Composite Forward-Osmosis Membranes Containing Passive and Active Moieties. Environmental Science & Technology, 2018, 52, 9684-9693.	4.6	43
20	Facile Construction of Near Infrared Fluorescence Nanoprobe with Amphiphilic Protein-Polymer Bioconjugate for Targeted Cell Imaging. ACS Applied Materials & Interfaces, 2015, 7, 18997-19005.	4.0	42
21	Comb-shaped amphiphilic triblock copolymers blend PVDF membranes overcome the permeability-selectivity trade-off for protein separation. Separation and Purification Technology, 2020, 239, 116596.	3.9	38
22	Surface-independent one-pot chelation of copper ions onto filtration membranes to provide antibacterial properties. Chemical Communications, 2016, 52, 12245-12248.	2.2	35
23	Surprising olefin/paraffin separation performance recovery of highly aged carbon molecular sieve hollow fiber membranes by a super-hyperaging treatment. Journal of Membrane Science, 2021, 620, 118701.	4.1	32
24	Lipid coated upconverting nanoparticles as NIR remote controlled transducer for simultaneous photodynamic therapy and cell imaging. International Journal of Pharmaceutics, 2014, 466, 307-313.	2.6	27
25	Radionuclide therapy using 131I-labeled anti-epidermal growth factor receptor-targeted nanoparticles suppresses cancer cell growth caused by EGFR overexpression. Journal of Cancer Research and Clinical Oncology, 2016, 142, 619-632.	1.2	27
26	A Highly Photostable Hyperbranched Polyglycerolâ€Based NIR Fluorescence Nanoplatform for Mitochondriaâ€Specific Cell Imaging. Advanced Healthcare Materials, 2016, 5, 2214-2226.	3.9	26
27	Fine-tuned thermally cross-linkable 6FDA-based polyimide membranes for aggressive natural gas separation. Journal of Membrane Science, 2021, 635, 119474.	4.1	26
28	pHe-Induced Charge-Reversible NIR Fluorescence Nanoprobe for Tumor-Specific Imaging. ACS Applied Materials & Interfaces, 2015, 7, 7566-7575.	4.0	23
29	In Situ Formed Weave Cage-Like Nanostructure Wrapped Mesoporous Micron Silicon Anode for Enhanced Stable Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2021, 13, 29726-29736.	4.0	22
30	In Situ Generated Carbon Nanosheet-Covered Micron-Sized Porous Si Composite for Long-Cycling Life Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 535-544.	2.5	21
31	Enhanced Stability Lithium-Ion Battery Based on Optimized Graphene/Si Nanocomposites by Templated Assembly. ACS Omega, 2019, 4, 18195-18202.	1.6	20
32	Breaking the permeabilityâ€“selectivity trade-off in thin-film composite polyamide membranes with a PEG-b-PSF-b-PEG block copolymer ultrafiltration membrane support through post-annealing treatment. NPG Asia Materials, 2019, 11, .	3.8	19
33	Cross-Linkable Semi-Rigid 6FDA-Based Polyimide Hollow Fiber Membranes for Sour Natural Gas Purification. Industrial & Engineering Chemistry Research, 2020, 59, 5333-5339.	1.8	19
34	How to Get the Best Gas Separation Membranes from State-of-the-Art Glassy Polymers. Macromolecules, 2022, 55, 1457-1473.	2.2	16
35	Natural gas sweetening using TEGMC polyimide hollow fiber membranes. Journal of Membrane Science, 2021, 632, 119361.	4.1	15
36	Subtle penetrant size effects on separation of carbon molecular sieve membranes derived from 6FDA:BPDA-DAM polyimide. Carbon, 2021, 184, 214-222.	5.4	15

#	Article	IF	Citations
37	Radioiodine-labeled anti-epidermal growth factor receptor binding bovine serum albumin-polycaprolactone for targeting imaging of glioblastoma. Oncology Reports, 2017, 38, 2919-2926.	1.2	12
38	Upconverting crystal/dextran-g-DOPE with high fluorescence stability for simultaneous photodynamic therapy and cell imaging. Nanotechnology, 2014, 25, 155103.	1.3	11
39	Molecularly Engineered 6FDAâ€Based Polyimide Membranes for Sour Natural Gas Separation. Angewandte Chemie, 2020, 132, 14987-14993.	1.6	4
40	Pyrolysis End-Doping to Optimize Transport Properties of Carbon Molecular Sieve Hollow Fiber Membranes. Industrial & Engineering Chemistry Research, 2020, 59, 13755-13761.	1.8	4
41	Long-Term Stable Hollowed Silicon for Li-Ion Batteries Based on an Improved Low-Temperature Molten Salt Strategy. ACS Omega, 2020, 5, 27368-27373.	1.6	1
42	Key Features of Polyimideâ€Derived Carbon Molecular Sieves. Angewandte Chemie, 2021, 133, 22496-22505.	1.6	0
43	Overlooked glassy polymer attributes illustrated by asymmetric polyimide hollow fibers. , 2022, 2, 100011.		0