Chao Lang

List of Publications by Year
in descending order

24	848	566801 15	580395 25
papers	citations	h-index	g-index

26	26	26	987
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-Molecule Observation of Selenoenzyme Intermediates in a Semisynthetic Seleno-Î±-Hemolysin Nanoreactor. Analytical Chemistry, 2022, 94, 8433-8440.	3.2	6
2	Nanostructured block copolymer muscles. Nature Nanotechnology, 2022, 17, 752-758.	15.6	53
3	Current status and future directions of self-assembled block copolymer membranes for molecular separations. Soft Matter, 2021, 17, 10405-10415.	1.2	8
4	Influence of block sequence on the colloidal self-assembly of poly(norbornene)-block-poly(ethylene oxide) amphiphilic block polymers using rapid injection processing. Polymer Chemistry, 2020, 11, 375-384.	1.9	9
5	Artificial water channels enable fast and selective water permeation through water-wire networks. Nature Nanotechnology, 2020, 15, 73-79.	15.6	111
6	Rapid fabrication of precise high-throughput filters from membrane protein nanosheets. Nature Materials, 2020, 19, 347-354.	13.3	59
7	Biomimetic Separation of Transport and Matrix Functions in Lamellar Block Copolymer Channel-Based Membranes. ACS Nano, 2019, 13, 8292-8302.	7.3	37
8	Solvent-non-solvent rapid-injection for preparing nanostructured materials from micelles to hydrogels. Nature Communications, 2019, 10, 3855.	5.8	30
9	Creating cross-linked lamellar block copolymer supporting layers for biomimetic membranes. Faraday Discussions, 2018, 209, 179-191.	1.6	15
10	Design Considerations for Artificial Water Channelâ€“Based Membranes. Annual Review of Materials Research, 2018, 48, 57-82.	4.3	40
11	Unique selectivity trends of highly permeable PAP[5] water channel membranes. Faraday Discussions, 2018, 209, 193-204.	1.6	13
12	Achieving high permeability and enhanced selectivity for Angstrom-scale separations using artificial water channel membranes. Nature Communications, 2018, 9, 2294.	5.8	95
13	Enzyme-Regulated Fast Self-Healing of a Pillararene-Based Hydrogel. Biomacromolecules, 2017, 18, 1885-1892.	2.6	53
14	Semithiobambus[6]uril is a transmembrane anion transporter. Chemical Communications, 2017, 53, 7557-7560.	2.2	32
15	Highly Selective Artificial Potassium Ion Channels Constructed from Poreâ€Containing Helical Oligomers. Angewandte Chemie, 2017, 129, 12842-12845.	1.6	33
16	Highly Selective Artificial Potassium Ion Channels Constructed from Poreâ€Containing Helical Oligomers. Angewandte Chemie - International Edition, 2017, 56, 12668-12671.	7.2	68
17	Biomimetic Transmembrane Channels with High Stability and Transporting Efficiency from Helically Folded Macromolecules. Angewandte Chemie - International Edition, 2016, 55, 9723-9727.	7.2	78
18	Biomimetic Transmembrane Channels with High Stability and Transporting Efficiency from Helically Folded Macromolecules. Angewandte Chemie, 2016, 128, 9875-9879.	1.6	20

#	Article	IF	Citations
19	Selenium-containing organic nanoparticles as silent precursors for ultra-sensitive thiol-responsive transmembrane anion transport. Nanoscale, 2016, 8, 2960-2966.	2.8	15
20	Construction of supramolecular polymer by enzyme-triggered covalent condensation of CB[8]-FGG-based supramonomer. Chemical Communications, 2016, 52, 2083-2086.	2.2	20
21	Environment Responsive Hydrogels. , 2016, , 251-280.		1
22	Powerful Bipodal Anion Transporters Based on Scaffolds That Contain Different Chalcogens. European Journal of Organic Chemistry, 2015, 2015, 6458-6465.	1.2	15
23	A supramolecular microgel glutathione peroxidase mimic with temperature responsive activity. Soft Matter, 2014, 10, 3374.	1.2	23
24	A smart artificial glutathione peroxidase with temperature responsive activity constructed by hostâ€“guest interaction and self-assembly. RSC Advances, 2014, 4, 25040-25050.	1.7	9