

Changliang Ren

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,750
citations

257450

24
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica-based nanocapsules: synthesis, structure control and biomedical applications. <i>Chemical Society Reviews</i> , 2015, 44, 315-335.	38.1	205
2	Combinatorial Evolution of Fast-Conducting Highly Selective K ⁺ -Channels via Modularly Tunable Directional Assembly of Crown Ethers. <i>Journal of the American Chemical Society</i> , 2017, 139, 12338-12341.	13.7	98
3	A halogen bond-mediated highly active artificial chloride channel with high anticancer activity. <i>Chemical Science</i> , 2018, 9, 4044-4051.	7.4	92
4	An Artificial Tongue Fluorescent Sensor Array for Identification and Quantitation of Various Heavy Metal Ions. <i>Analytical Chemistry</i> , 2014, 86, 8763-8769.	6.5	91
5	Persistently Folded Circular Aromatic Amide Pentamers Containing Modularly Tunable Cation-Binding Cavities with High Ion Selectivity. <i>Journal of the American Chemical Society</i> , 2010, 132, 9564-9566.	13.7	86
6	Instant Room-Temperature Gelation of Crude Oil by Chiral Organogelators. <i>Chemistry of Materials</i> , 2016, 28, 4001-4008.	6.7	83
7	Synthesis, Structural Investigations, Hydrogen-Deuterium Exchange Studies, and Molecular Modeling of Conformationally Stabilized Aromatic Oligoamides. <i>Journal of the American Chemical Society</i> , 2010, 132, 5869-5879.	13.7	79
8	Five-Fold-Symmetric Macrocyclic Aromatic Pentamers: High-Affinity Cation Recognition, Ion-Pair-Induced Columnar Stacking, and Nanofibrillation. <i>Journal of the American Chemical Society</i> , 2011, 133, 13930-13933.	13.7	77
9	Crystallographic Evidence of an Unusual, Pentagon-Shaped Folding Pattern in a Circular Aromatic Pentamer. <i>Organic Letters</i> , 2008, 10, 5127-5130.	4.6	74
10	Aquafoldmer-Based Aquaporin-like Synthetic Water Channel. <i>Journal of the American Chemical Society</i> , 2020, 142, 10050-10058.	13.7	71
11	Pyridine/Oxadiazole-Based Helical Foldamer Ion Channels with Exceptionally High K ⁺ /Na ⁺ Selectivity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1440-1444.	13.8	68
12	Rapid Room-Temperature Gelation of Crude Oils by a Wetted Powder Gelator. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3847-3851.	13.8	67
13	Crystallographic Realization of the Mathematically Predicted Densest All-Pentagon Packing Lattice by C ₅ -Symmetric "Sticky" Fluoropentamers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10612-10615.	13.8	61
14	Pore-Forming Monopeptides as Exceptionally Active Anion Channels. <i>Journal of the American Chemical Society</i> , 2018, 140, 8817-8826.	13.7	57
15	Planar Macrocyclic Fluoropentamers as Supramolecular Organogelators. <i>Organic Letters</i> , 2011, 13, 3840-3843.	4.6	56
16	Foldamer-based ultrapermeable and highly selective artificial water channels that exclude protons. <i>Nature Nanotechnology</i> , 2021, 16, 911-917.	31.5	54
17	BOP-mediated one-pot synthesis of C ₅ -symmetric macrocyclic pyridone pentamers. <i>Chemical Communications</i> , 2011, 47, 12488.	4.1	48
18	Low-Cost Phase-Selective Organogelators for Rapid Gelation of Crude Oils at Room Temperature. <i>Langmuir</i> , 2016, 32, 13510-13516.	3.5	46

#	ARTICLE	IF	CITATIONS
19	Computational prediction and experimental verification of pyridine-based helical oligoamides containing four repeating units per helical turn. <i>Chemical Communications</i> , 2011, 47, 6416.	4.1	44
20	Molecular Ion Fishers as Highly Active and Exceptionally Selective K^{+} Transporters. <i>Journal of the American Chemical Society</i> , 2019, 141, 9788-9792.	13.7	44
21	Intramolecularly Hydrogen-Bonded Aromatic Pentamers as Modularly Tunable Macrocyclic Receptors for Selective Recognition of Metal Ions. <i>Journal of the American Chemical Society</i> , 2015, 137, 12055-12063.	13.7	42
22	Molecular Swings as Highly Active Ion Transporters. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8034-8038.	13.8	37
23	A Foldamer-Based Organocatalyst for Direct Arylations of Unactivated Arenes. <i>Organic Letters</i> , 2017, 19, 2190-2193.	4.6	27
24	Patterned recognition of amines and ammonium ions by a stimuli-responsive foldamer-based hexameric oligophenol host. <i>Chemical Communications</i> , 2013, 49, 5307.	4.1	25
25	Surprisingly High Selectivity and High Affinity in Mercury Recognition by H-Bonded Cavity-Containing Aromatic Foldamers. <i>Journal of the American Chemical Society</i> , 2017, 139, 5387-5396.	13.7	23
26	Pyridine/Oxadiazole-Based Helical Foldamer Ion Channels with Exceptionally High K^{+}/Na^{+} Selectivity. <i>Angewandte Chemie</i> , 2020, 132, 1456-1460.	2.0	23
27	One-Pot Synthesis of Strained Macrocyclic Pyridone Hexamers and Their High Selectivity toward Cu^{2+} Recognition. <i>Organic Letters</i> , 2015, 17, 5946-5949.	4.6	15
28	Rapid Room-Temperature Gelation of Crude Oils by a Wetted Powder Gelator. <i>Angewandte Chemie</i> , 2017, 129, 3905-3909.	2.0	12
29	Molecular Swings as Highly Active Ion Transporters. <i>Angewandte Chemie</i> , 2019, 131, 8118-8122.	2.0	12
30	Membrane-Active Molecular Machines. <i>Accounts of Chemical Research</i> , 2022, 55, 1148-1159.	15.6	12
31	Tuning cation-binding selectivity and capacity via side chain-dependent molecular packing in the solid state. <i>Chemical Communications</i> , 2016, 52, 10361-10364.	4.1	7
32	SNC-Coumarin is a Biocompatible Imaging Agent for In Vivo Labeling of Cells and Fluids. <i>Nano LIFE</i> , 2015, 05, 1540004.	0.9	1