

Jun-Li Hou

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

2,261
citations

19
h-index

42
g-index

42
ext. papers

2,558
ext. citations

9.8
avg, IF

5.05
L-index

#	Paper	IF	Citations
36	Single-molecular artificial transmembrane water channels. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8384-7	16.4	336
35	Selective artificial transmembrane channels for protons by formation of water wires. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12564-8	16.4	305
34	Chiral selective transmembrane transport of amino acids through artificial channels. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2152-5	16.4	228
33	Tubular Unimolecular Transmembrane Channels: Construction Strategy and Transport Activities. <i>Accounts of Chemical Research</i> , 2015 , 48, 1612-9	24.3	200
32	per-Hydroxylated pillar[6]arene: synthesis, X-ray crystal structure, and host-guest complexation. <i>Organic Letters</i> , 2012 , 14, 1532-5	6.2	160
31	Voltage-driven reversible insertion into and leaving from a lipid bilayer: tuning transmembrane transport of artificial channels. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4578-81	16.4	135
30	Highly permeable artificial water channels that can self-assemble into two-dimensional arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9810-5	11.5	119
29	Self-assembly and proton conductance of organic nanotubes from pillar[5]arenes. <i>Tetrahedron Letters</i> , 2011 , 52, 2484-2487	2	91
28	Hydrogen-bonded helical hydrazide oligomers and polymer that mimic the ion transport of gramicidin A. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13078-81	16.4	87
27	Synthetic Channel Specifically Inserts into the Lipid Bilayer of Gram-Positive Bacteria but not that of Mammalian Erythrocytes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2999-3003	16.4	75
26	Selective Artificial Transmembrane Channels for Protons by Formation of Water Wires. <i>Angewandte Chemie</i> , 2011 , 123, 12772-12776	3.6	68
25	Supramolecular Kandinsky circles with high antibacterial activity. <i>Nature Communications</i> , 2018 , 9, 1815	17.4	60
24	Artificial water channels enable fast and selective water permeation through water-wire networks. <i>Nature Nanotechnology</i> , 2020 , 15, 73-79	28.7	52
23	Reversible photo-gated transmembrane channel assembled from an acylhydrazone-containing crown ether triad. <i>Chemical Communications</i> , 2017 , 53, 3681-3684	5.8	45
22	Directional Potassium Transport through a Unimolecular Peptide Channel. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14678-14682	16.4	42
21	Controllable synthetic ion channels. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 1728-1736	5.2	36
20	Targeting the Cell Membrane by Charge-Reversal Amphiphilic Pillar[5]arene for the Selective Killing of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38497-38502	9.5	30

19	Voltage-Driven Reversible Insertion into and Leaving from a Lipid Bilayer: Tuning Transmembrane Transport of Artificial Channels. <i>Angewandte Chemie</i> , 2014 , 126, 4666-4669	3.6	29
18	Synthetic Channel Specifically Inserts into the Lipid Bilayer of Gram-Positive Bacteria but not that of Mammalian Erythrocytes. <i>Angewandte Chemie</i> , 2017 , 129, 3045-3049	3.6	25
17	Artificial Aquaporin That Restores Wound Healing of Impaired Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15638-15643	16.4	19
16	Hydrazide macrocycles as effective transmembrane channels for ammonium. <i>Chemical Communications</i> , 2015 , 51, 4819-22	5.8	18
15	Deformylated Gramicidin A and Its Derivatives Showing High Antimicrobial Activity and Low Hemolytic Toxicity. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 25-29	4.9	15
14	A synthetic channel that efficiently inserts into mammalian cell membranes and destroys cancer cells. <i>Faraday Discussions</i> , 2018 , 209, 149-159	3.6	14
13	Pillar[n]arenes: Chemistry and Their Material Applications. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 215-217	17.9	13
12	Directional Potassium Transport through a Unimolecular Peptide Channel. <i>Angewandte Chemie</i> , 2016 , 128, 14898-14902	3.6	12
11	A pore-expanded supramolecular organic framework and its enrichment of photosensitizers and catalysts for visible-light-induced hydrogen production. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1698-1704	5.2	11
10	Nuclear dihydroxyacetone phosphate signals nutrient sufficiency and cell cycle phase to global histone acetylation. <i>Nature Metabolism</i> , 2021 , 3, 859-875	14.6	11
9	Voltage-Driven Flipping of Zwitterionic Artificial Channels in Lipid Bilayers to Rectify Ion Transport. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11332-11336	16.4	7
8	Gramicidin A-based unimolecular channel: cancer cell-targeting behavior and ion transport-induced apoptosis. <i>Chemical Communications</i> , 2021 , 57, 1097-1100	5.8	6
7	Activation of C≡C Bonds via E-Bond Metathesis: Hydroborenum-Catalyzed Hydrogenolysis of Cyclopropanes. <i>Organometallics</i> , 2020 , 39, 4159-4163	3.8	5
6	Unimolecular artificial transmembrane channel with terminal dihydrogen phosphate groups showing transport selectivity for ammonium. <i>Chinese Chemical Letters</i> , 2020 , 31, 77-80	8.1	3
5	Macrocycle-Based Synthetic Ion Channels 2020 , 1519-1554		1
4	Unimolecular artificial transmembrane channels showing reversible ligand-gating behavior. <i>Chemical Communications</i> , 2021 , 57, 863-866	5.8	1
3	Innenrücktitelbild: Synthetic Channel Specifically Inserts into the Lipid Bilayer of Gram-Positive Bacteria but not that of Mammalian Erythrocytes (Angew. Chem. 11/2017). <i>Angewandte Chemie</i> , 2017 , 129, 3155-3155	3.6	
2	Macrocycle-Based Synthetic Ion Channels 2019 , 1-36		

- 1 Methylene-bridge tryptophan fatty acylation regulates PI3K-AKT signaling and glucose uptake.. *Cell Reports*, **2022**, 38, 110509 10.6