Jun-Li Hou

List of Publications by Year in Descending Order

36	2,261	19	42
papers	citations	h-index	g-index
42	2,558	9.8	5.05
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
36	Methylene-bridge tryptophan fatty acylation regulates PI3K-AKT signaling and glucose uptake.. *Cell Reports*, **2022**, 38, 110509	10.6	
35	Nuclear dihydroxyacetone phosphate signals nutrient sufficiency and cell cycle phase to global histone acetylation. *Nature Metabolism*, **2021**, 3, 859-875	14.6	11
34	Voltage-Driven Flipping of Zwitterionic Artificial Channels in Lipid Bilayers to Rectify Ion Transport. *Journal of the American Chemical Society*, **2021**, 143, 11332-11336	16.4	7
33	Gramicidin A-based unimolecular channel: cancer cell-targeting behavior and ion transport-induced apoptosis. *Chemical Communications*, **2021**, 57, 1097-1100	5.8	6
32	Unimolecular artificial transmembrane channels showing reversible ligand-gating behavior. *Chemical Communications*, **2021**, 57, 863-866	5.8	1
31	Activation of C□ Bonds via □Bond Metathesis: Hydroborenium-Catalyzed Hydrogenolysis of Cyclopropanes. *Organometallics*, **2020**, 39, 4159-4163	3.8	5
30	Macrocycle-Based Synthetic Ion Channels **2020**, 1519-1554		1
29	Pillar[n]arenes: Chemistry and Their Material Applications. *Chinese Journal of Chemistry*, **2020**, 38, 215-217	4.9	13
28	Artificial water channels enable fast and selective water permeation through water-wire networks. *Nature Nanotechnology*, **2020**, 15, 73-79	28.7	52
27	Artificial Aquaporin That Restores Wound Healing of Impaired Cells. *Journal of the American Chemical Society*, **2020**, 142, 15638-15643	16.4	19
26	Unimolecular artificial transmembrane channel with terminal dihydrogen phosphate groups showing transport selectivity for ammonium. *Chinese Chemical Letters*, **2020**, 31, 77-80	8.1	3
25	Targeting the Cell Membrane by Charge-Reversal Amphiphilic Pillar[5]arene for the Selective Killing of Cancer Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 38497-38502	9.5	30
24	A pore-expanded supramolecular organic framework and its enrichment of photosensitizers and catalysts for visible-light-induced hydrogen production. *Organic Chemistry Frontiers*, **2019**, 6, 1698-1704	5.2	11
23	Macrocycle-Based Synthetic Ion Channels **2019**, 1-36		
22	Deformylated Gramicidin A and Its Derivatives Showing High Antimicrobial Activity and Low Hemolytic Toxicity. *Chinese Journal of Chemistry*, **2019**, 37, 25-29	4.9	15
21	A synthetic channel that efficiently inserts into mammalian cell membranes and destroys cancer cells. *Faraday Discussions*, **2018**, 209, 149-159	3.6	14
20	Controllable synthetic ion channels. *Organic Chemistry Frontiers*, **2018**, 5, 1728-1736	5.2	36

19	Supramolecular Kandinsky circles with high antibacterial activity. *Nature Communications*, **2018**, 9, 1815	17.4	60
18	Reversible photo-gated transmembrane channel assembled from an acylhydrazone-containing crown ether triad. *Chemical Communications*, **2017**, 53, 3681-3684	5.8	45
17	Synthetic Channel Specifically Inserts into the Lipid Bilayer of Gram-Positive Bacteria but not that of Mammalian Erythrocytes. *Angewandte Chemie - International Edition*, **2017**, 56, 2999-3003	16.4	75
16	Synthetic Channel Specifically Inserts into the Lipid Bilayer of Gram-Positive Bacteria but not that of Mammalian Erythrocytes. *Angewandte Chemie*, **2017**, 129, 3045-3049	3.6	25
15	Innenr□ktitelbild: Synthetic Channel Specifically Inserts into the Lipid Bilayer of Gram-Positive Bacteria but not that of Mammalian Erythrocytes (Angew. Chem. 11/2017). *Angewandte Chemie*, **2017**, 129, 3155-3155	3.6	
14	Directional Potassium Transport through a Unimolecular Peptide Channel. *Angewandte Chemie*, **2016**, 128, 14898-14902	3.6	12
13	Directional Potassium Transport through a Unimolecular Peptide Channel. *Angewandte Chemie - International Edition*, **2016**, 55, 14678-14682	16.4	42
12	Hydrazide macrocycles as effective transmembrane channels for ammonium. *Chemical Communications*, **2015**, 51, 4819-22	5.8	18
11	Highly permeable artificial water channels that can self-assemble into two-dimensional arrays. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9810-5	11.5	119
10	Tubular Unimolecular Transmembrane Channels: Construction Strategy and Transport Activities. *Accounts of Chemical Research*, **2015**, 48, 1612-9	24.3	200
9	Hydrogen-bonded helical hydrazide oligomers and polymer that mimic the ion transport of gramicidin A. *Journal of the American Chemical Society*, **2014**, 136, 13078-81	16.4	87
8	Voltage-Driven Reversible Insertion into and Leaving from a Lipid Bilayer: Tuning Transmembrane Transport of Artificial Channels. *Angewandte Chemie*, **2014**, 126, 4666-4669	3.6	29
7	Voltage-driven reversible insertion into and leaving from a lipid bilayer: tuning transmembrane transport of artificial channels. *Angewandte Chemie - International Edition*, **2014**, 53, 4578-81	16.4	135
6	Chiral selective transmembrane transport of amino acids through artificial channels. *Journal of the American Chemical Society*, **2013**, 135, 2152-5	16.4	228
5	Single-molecular artificial transmembrane water channels. *Journal of the American Chemical Society*, **2012**, 134, 8384-7	16.4	336
4	per-Hydroxylated pillar[6]arene: synthesis, X-ray crystal structure, and host-guest complexation. *Organic Letters*, **2012**, 14, 1532-5	6.2	160
3	Selective Artificial Transmembrane Channels for Protons by Formation of Water Wires. *Angewandte Chemie*, **2011**, 123, 12772-12776	3.6	68
2	Selective artificial transmembrane channels for protons by formation of water wires. *Angewandte Chemie - International Edition*, **2011**, 50, 12564-8	16.4	305

1 Self-assembly and proton conductance of organic nanotubes from pillar[5]arenes. *Tetrahedron Letters*, **2011**, 52, 2484-2487 2 91