

Arundhati Roy

List of Publications by Year in descending order

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papers

824
citations

394390
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23
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorofoldamer-Based Salt- and Proton-Rejecting Artificial Water Channels for Ultrafast Water Transport. Nano Letters, 2022, 22, 4831-4838.	9.1	12
2	Foldamer-based ultrapermeable and highly selective artificial water channels that exclude protons. Nature Nanotechnology, 2021, 16, 911-917.	31.5	54
3	Recent Advances in Bioactive Artificial Ionophores. ChemBioChem, 2021, 22, 2925-2940.	2.6	33
4	Pyridine/Oxadiazole-Based Helical Foldamer Ion Channels with Exceptionally High K^{+}/Na^{+} Selectivity. Angewandte Chemie, 2020, 132, 1456-1460.	2.0	23
5	Pyridine/Oxadiazole-Based Helical Foldamer Ion Channels with Exceptionally High K^{+}/Na^{+} Selectivity. Angewandte Chemie - International Edition, 2020, 59, 1440-1444.	13.8	68
6	Aquafoldmer-Based Aquaporin-like Synthetic Water Channel. Journal of the American Chemical Society, 2020, 142, 10050-10058.	13.7	71
7	Polyhydrazide-Based Organic Nanotubes as Efficient and Selective Artificial Iodide Channels. Angewandte Chemie - International Edition, 2020, 59, 4806-4813.	13.8	46
8	Polyhydrazide-Based Organic Nanotubes as Efficient and Selective Artificial Iodide Channels. Angewandte Chemie, 2020, 132, 4836-4843.	2.0	11
9	Molecular Ion Fishers as Highly Active and Exceptionally Selective K^{+} Transporters. Journal of the American Chemical Society, 2019, 141, 9788-9792.	13.7	44
10	Self-assembly of small-molecule fumaramides allows transmembrane chloride channel formation. Chemical Communications, 2018, 54, 2024-2027.	4.1	38
11	A halogen bond-mediated highly active artificial chloride channel with high anticancer activity. Chemical Science, 2018, 9, 4044-4051.	7.4	92
12	Anion Selective Ion Channel Constructed from a Self-Assembly of Bis(cholate)-Substituted Fumaramide. Organic Letters, 2018, 20, 5991-5994.	4.6	23
13	Pore-Forming Monopeptides as Exceptionally Active Anion Channels. Journal of the American Chemical Society, 2018, 140, 8817-8826.	13.7	57
14	Bis(sulfonamide) transmembrane carriers allow pH-gated inversion of ion selectivity. Chemical Communications, 2017, 53, 3122-3125.	4.1	22
15	pH-Gated Chloride Transport by a Triazine-Based Tripodal Semicage. Chemistry - A European Journal, 2017, 23, 1241-1247.	3.3	21
16	One-Pot Synthesis and Transmembrane Chloride Transport Properties of C_3 -Symmetric Benzoxazine Urea. Organic Letters, 2016, 18, 5864-5867.	4.6	27
17	Trimodal Control of Ion Transport Activity on Cyclooligo(1,6)-D-glucosamine-Based Artificial Ion Transport Systems. Chemistry - A European Journal, 2015, 21, 17445-17452.	3.3	22
18	Turn-on fluorescent probe designed for fluoride ion sensing in aqueous media. Tetrahedron Letters, 2015, 56, 4975-4979.	1.4	13

#	ARTICLE	IF	CITATIONS
19	Cyclo-oligo-(1 → 6)-β-D-glucosamine based artificial channels for tunable transmembrane ion transport. Chemical Communications, 2014, 50, 5514.	4.1	28
20	A cascade reaction based fluorescent probe for rapid and selective fluoride ion detection. Chemical Communications, 2014, 50, 5510.	4.1	68
21	Pink fluorescence emitting fluoride ion sensor: investigation of the cascade sensing mechanism and bioimaging applications. RSC Advances, 2014, 4, 33890.	3.6	20
22	A fluorescent off-on NBD-probe for F ⁻ sensing: theoretical validation and experimental studies. Organic and Biomolecular Chemistry, 2014, 12, 2143.	2.8	19
23	Diastereoselective construction of syn-β-oxyamines via three-component β-oxyaldehyde-dibenzylamine-alkyne coupling reaction: application in the synthesis of (+)-β-conhydrine and its analogues. Organic and Biomolecular Chemistry, 2012, 10, 7536.	2.8	12