

Arundhati Roy

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

824
citations

448610

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852
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorofoldamer-Based Salt- and Proton-Rejecting Artificial Water Channels for Ultrafast Water Transport. <i>Nano Letters</i> , 2022, 22, 4831-4838.	4.5	12
2	Foldamer-based ultrapermeable and highly selective artificial water channels that exclude protons. <i>Nature Nanotechnology</i> , 2021, 16, 911-917.	15.6	54
3	Recent Advances in Bioactive Artificial Ionophores. <i>ChemBioChem</i> , 2021, 22, 2925-2940.	1.3	33
4	Pyridine/Oxadiazole-Based Helical Foldamer Ion Channels with Exceptionally High K^{+}/Na^{+} Selectivity. <i>Angewandte Chemie</i> , 2020, 132, 1456-1460.	1.6	23
5	Pyridine/Oxadiazole-Based Helical Foldamer Ion Channels with Exceptionally High K^{+}/Na^{+} Selectivity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1440-1444.	7.2	68
6	Aquafoldmer-Based Aquaporin-like Synthetic Water Channel. <i>Journal of the American Chemical Society</i> , 2020, 142, 10050-10058.	6.6	71
7	Polyhydrazide-Based Organic Nanotubes as Efficient and Selective Artificial Iodide Channels. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4806-4813.	7.2	46
8	Polyhydrazide-Based Organic Nanotubes as Efficient and Selective Artificial Iodide Channels. <i>Angewandte Chemie</i> , 2020, 132, 4836-4843.	1.6	11
9	Molecular Ion Fishers as Highly Active and Exceptionally Selective K^{+} Transporters. <i>Journal of the American Chemical Society</i> , 2019, 141, 9788-9792.	6.6	44
10	Self-assembly of small-molecule fumaramides allows transmembrane chloride channel formation. <i>Chemical Communications</i> , 2018, 54, 2024-2027.	2.2	38
11	A halogen bond-mediated highly active artificial chloride channel with high anticancer activity. <i>Chemical Science</i> , 2018, 9, 4044-4051.	3.7	92
12	Anion Selective Ion Channel Constructed from a Self-Assembly of Bis(cholate)-Substituted Fumaramide. <i>Organic Letters</i> , 2018, 20, 5991-5994.	2.4	23
13	Pore-Forming Monopeptides as Exceptionally Active Anion Channels. <i>Journal of the American Chemical Society</i> , 2018, 140, 8817-8826.	6.6	57
14	Bis(sulfonamide) transmembrane carriers allow pH-gated inversion of ion selectivity. <i>Chemical Communications</i> , 2017, 53, 3122-3125.	2.2	22
15	pH-Gated Chloride Transport by a Triazine-Based Tripodal Semicage. <i>Chemistry - A European Journal</i> , 2017, 23, 1241-1247.	1.7	21
16	One-Pot Synthesis and Transmembrane Chloride Transport Properties of C_3 -Symmetric Benzoxazine Urea. <i>Organic Letters</i> , 2016, 18, 5864-5867.	2.4	27
17	Trimodal Control of Ion Transport Activity on Cyclohexaoligo(1,6)-D-glucosamine-Based Artificial Ion Transport Systems. <i>Chemistry - A European Journal</i> , 2015, 21, 17445-17452.	1.7	22
18	Turn-on fluorescent probe designed for fluoride ion sensing in aqueous media. <i>Tetrahedron Letters</i> , 2015, 56, 4975-4979.	0.7	13

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19	Cyclo-oligo-(1,6)-D-glucosamine based artificial channels for tunable transmembrane ion transport. <i>Chemical Communications</i> , 2014, 50, 5514.	2.2	28
20	A cascade reaction based fluorescent probe for rapid and selective fluoride ion detection. <i>Chemical Communications</i> , 2014, 50, 5510.	2.2	68
21	Pink fluorescence emitting fluoride ion sensor: investigation of the cascade sensing mechanism and bioimaging applications. <i>RSC Advances</i> , 2014, 4, 33890.	1.7	20
22	A fluorescent NBD-probe for F ⁻ sensing: theoretical validation and experimental studies. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2143.	1.5	19
23	Diastereoselective construction of syn-1,2-oxyamines via three-component 1,2-oxaldehyde-dibenzylamine-alkyne coupling reaction: application in the synthesis of (+)-1,2-conhydrine and its analogues. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7536.	1.5	12