Pinaki Talukdar

List of Publications by Year
in descending order

75 papers	3,089 citations	212478 28 h-index	182931 54 g-index
82 all docs	82 docs citations	82 times ranked	3994 citing authors

#	Article	IF	Citations
1	Synthesis of a cyclic tetramer of 3-amino-3-deoxyallose with axially oriented amino groups. Carbohydrate Research, 2022, 511, 108476.	1.1	1
2	Editorial: Artificial Membrane Transporters. Frontiers in Chemistry, 2022, 10, 841159.	1.8	0
3	Bis(cholyl)-based chloride channels with oxalamide and hydrazide selectivity filters. Organic and Biomolecular Chemistry, 2022, 20, 2054-2058.	1.5	2
4	Reversible Stimuliâ€Responsive Transmembrane Ion Transport Using Phenylhydrazoneâ€Based Photoswitches. ChemPhotoChem, 2022, 6, .	1.5	7
5	Anion Recognition through Multivalent Câ€“H Hydrogen Bonds: Anion-Induced Foldamer Formation and Transport across Phospholipid Membranes. Journal of Organic Chemistry, 2022, 87, 10-17.	1.7	17
6	Chloride Transport across Liposomes and Cells by Nontoxic 3-(1<i>H</i>-1,2,3-Triazol-1-yl)benzamides. Organic Letters, 2022, 24, 4124-4128.	2.4	5
7	Recent Advances in Bioactive Artificial Ionophores. ChemBioChem, 2021, 22, 2925-2940.	1.3	33
8	A Pyridyl-Linked Benzimidazolyl Tautomer Facilitates Prodigious H⁺/Cl^{â€“} Symport through a Cooperative Protonation and Chloride Ion Recognition. Organic Letters, 2021, 23, 6131-6136.	2.4	13
9	Stimuli-Responsive Anion Transport through Acylhydrazone-Based Synthetic Anionophores. Organic Letters, 2021, 23, 7319-7324.	2.4	12
10	Molecular Selfâ€Assembly as a Tool to Construct Transmembrane Supramolecular Ion Channels. Chemical Record, 2021, , .	2.9	4
11	A Sandwich Azobenzeneâ€“Diamide Dimer for Photoregulated Chloride Transport. Chemistry - A European Journal, 2020, 26, 8703-8708.	1.7	28
12	Esteraseâ€Activatable Synthetic M + /Cl âˆ’ Channel Induces Apoptosis and Disrupts Autophagy in Cancer Cells. Chemistry - A European Journal, 2020, 26, 11946-11949.	1.7	14
13	A Glutathione Activatable Ion Channel Induces Apoptosis in Cancer Cells by Depleting Intracellular Glutathione Levels. Angewandte Chemie, 2020, 132, 8018-8026.	1.6	14
14	A Glutathione Activatable Ion Channel Induces Apoptosis in Cancer Cells by Depleting Intracellular Glutathione Levels. Angewandte Chemie - International Edition, 2020, 59, 7944-7952.	7.2	77
15	Apoptosis-inducing activity of a fluorescent barrel-rosette M⁺/Cl^{âˆ’} channel. Chemical Science, 2020, 11, 2420-2428.	3.7	31
16	Sugar-derived oxazolone pseudotetrapeptide as Î³-turn inducer and anion-selective transporter. Beilstein Journal of Organic Chemistry, 2019, 15, 2419-2427.	1.3	1
17	Transmembrane H+/Clâˆ’ cotransport activity of bis(amido)imidazole receptors. Organic and Biomolecular Chemistry, 2019, 17, 4483-4490.	1.5	14
18	Phototriggered Release of a Transmembrane Chloride Carrier from an <i>o</i>â€Nitrobenzylâ€Linked Procarrier. Angewandte Chemie, 2019, 131, 5408-5412.	1.6	13

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19	Phototriggered Release of a Transmembrane Chloride Carrier from an <i>o</i>â€Nitrobenzylâ€Linked Procarrier. Angewandte Chemie - International Edition, 2019, 58, 5354-5358.	7.2	45
20	Self-assembly of small-molecule fumaramides allows transmembrane chloride channel formation. Chemical Communications, 2018, 54, 2024-2027.	2.2	38
21	Tripodal cyanurates as selective transmembrane Cl^{âˆ’} transporters. Organic and Biomolecular Chemistry, 2018, 16, 8690-8694.	1.5	23
22	Anion Selective Ion Channel Constructed from a Self-Assembly of Bis(cholate)-Substituted Fumaramide. Organic Letters, 2018, 20, 5991-5994.	2.4	23
23	An anion receptor that facilitates transmembrane protonâ€“anion symport by deprotonating its sulfonamide Nâ€“H proton. Chemical Communications, 2018, 54, 10351-10354.	2.2	15
24	Bis(sulfonamide) transmembrane carriers allow pH-gated inversion of ion selectivity. Chemical Communications, 2017, 53, 3122-3125.	2.2	22
25	A Dimeric Bis(melamine)â€Substituted Bispidine for Efficient Transmembrane H⁺/Cl^{âˆ’} Cotransport. Angewandte Chemie - International Edition, 2017, 56, 4238-4242.	7.2	52
26	Acyclic Î±Î³Î±-Tripeptides with Fluorinated- and Nonfluorinated-Furanoid Sugar Framework: Importance of Fluoro Substituent in Reverse-Turn Induced Self-Assembly and Transmembrane Ion-Transport Activity. Journal of Organic Chemistry, 2017, 82, 5826-5834.	1.7	13
27	Intramolecular cascade rearrangements of enynamine derived ketenimines: access to acyclic and cyclic amidines. Organic and Biomolecular Chemistry, 2017, 15, 4822-4830.	1.5	10
28	A Dimeric Bis(melamine)â€Substituted Bispidine for Efficient Transmembrane H⁺/Cl^{âˆ’} Cotransport. Angewandte Chemie, 2017, 129, 4302-4306.	1.6	15
29	Self-Assembly of Fluorinated Sugar Amino Acid Derived Î±,Î³-Cyclic Peptides into Transmembrane Anion Transport. Organic Letters, 2017, 19, 5948-5951.	2.4	22
30	pHâ€Gated Chloride Transport by a Triazineâ€Based Tripodal Semicage. Chemistry - A European Journal, 2017, 23, 1241-1247.	1.7	21
31	Chloride-Mediated Apoptosis-Inducing Activity of Bis(sulfonamide) Anionophores. Journal of the American Chemical Society, 2016, 138, 7558-7567.	6.6	110
32	Selective Sensing of Metal Ions and Nitro Explosives by Efficient Switching of Excimer-to-Monomer Emission of an Amphiphilic Pyrene Derivative. ACS Omega, 2016, 1, 371-377.	1.6	29
33	Chloride Transport through Supramolecular Barrel-Rosette Ion Channels: Lipophilic Control and Apoptosis-Inducing Activity. Journal of the American Chemical Society, 2016, 138, 16443-16451.	6.6	126
34	One-Pot Synthesis and Transmembrane Chloride Transport Properties of <i>C</i>₃-Symmetric Benzoxazine Urea. Organic Letters, 2016, 18, 5864-5867.	2.4	27
35	Helical supramolecular organization of a 1,2-diol appended naphthalene diimide organogelator via an extended intermolecular H-bonding network. RSC Advances, 2016, 6, 30690-30694.	1.7	5
36	Trimodal Control of Ionâ€Transport Activity on Cycloâ€oligoâ€(1â†’6)â€Î²â€<scp>D</scp>â€glucosamineâ€Based Artificial Ionâ€Transport Systems. Chemistry - A European Journal, 2015, 21, 17445-17452.	1.7	22

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37	Hydrogen sulfide mediated cascade reaction forming an iminocoumarin: applications in fluorescent probe development and live-cell imaging. Organic and Biomolecular Chemistry, 2015, 13, 7430-7436.	1.5	35
38	Performance comparison of two cascade reaction models in fluorescence offâ€“on detection of hydrogen sulfide. RSC Advances, 2015, 5, 1438-1446.	1.7	13
39	Lysosome targeting fluorescence probe for imaging intracellular thiols. Organic and Biomolecular Chemistry, 2015, 13, 8163-8168.	1.5	45
40	Turn-on fluorescent probe designed for fluoride ion sensing in aqueous media. Tetrahedron Letters, 2015, 56, 4975-4979.	0.7	13
41	Off-on type fluorescent NBD-probe for selective sensing of cysteine and homocysteine over glutathione. Sensors and Actuators B: Chemical, 2014, 196, 440-449.	4.0	30
42	Iminocoumarin based fluorophores: Indispensable scaffolds for rapid, selective and sensitive detection of thiophenol. Dyes and Pigments, 2014, 106, 25-31.	2.0	43
43	BODIPY based â€˜click onâ€™ fluorogenic dyes: application in live cell imaging. Tetrahedron Letters, 2014, 55, 244-247.	0.7	20
44	Stereoselective Synthesis of (2<i>S</i>,3<i>R</i>)-Î±-Hydroxy-Î²-Amino Acids (AHBAs): Valinoctin A, (2<i>S</i>,3<i>R</i>)-3-Amino-2-Hydroxydecanoic Acid, and a Fluorescent-Labeled (2<i>S</i>,3<i>R</i>)-AHBA. Journal of Organic Chemistry, 2014, 79, 11215-11225.	1.7	7
45	Cyclo-oligo-(1 â†’ 6)-Î²-d-glucosamine based artificial channels for tunable transmembrane ion transport. Chemical Communications, 2014, 50, 5514.	2.2	28
46	A 1,3-amino group migration route to form acrylamidines. Chemical Communications, 2014, 50, 323-325.	2.2	47
47	A cascade reaction based fluorescent probe for rapid and selective fluoride ion detection. Chemical Communications, 2014, 50, 5510.	2.2	68
48	Pink fluorescence emitting fluoride ion sensor: investigation of the cascade sensing mechanism and bioimaging applications. RSC Advances, 2014, 4, 33890.	1.7	20
49	Structural imposition on the offâ€“on response of naphthalimide based probes for selective thiophenol sensing. RSC Advances, 2014, 4, 59579-59586.	1.7	31
50	In vitro sensing of Cu+ through a green fluorescence rise of pyranine. Photochemical and Photobiological Sciences, 2014, 13, 1427-1433.	1.6	17
51	Hopping-Mediated Anion Transport through a Mannitol-Based Rosette Ion Channel. Journal of the American Chemical Society, 2014, 136, 14128-14135.	6.6	89
52	A fluorescent offâ€“on NBD-probe for Fâˆ’ sensing: theoretical validation and experimental studies. Organic and Biomolecular Chemistry, 2014, 12, 2143.	1.5	19
53	Metal-organic framework based highly selective fluorescence turn-on probe for hydrogen sulphide. Scientific Reports, 2014, 4, 7053.	1.6	109
54	A colorimetric and fluorometric BODIPY probe for rapid, selective detection of H2S and its application in live cell imaging. Organic and Biomolecular Chemistry, 2013, 11, 8166.	1.5	44

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55	Chromenoquinoline-based thiol probes: a study on the quencher position for controlling fluorescent Offâ€“On characteristics. Organic and Biomolecular Chemistry, 2013, 11, 1691.	1.5	40
56	Î´-Unsaturated Î³-amino acids: enantiodivergent synthesis and cell imaging studies. Chemical Communications, 2013, 49, 3591.	2.2	6
57	Linear and cyclic oligo-β-(1→6)-D-glucosamines: Synthesis, conformations, and applications for design of a vaccine and oligodentate glycoconjugates. Pure and Applied Chemistry, 2013, 85, 1879-1891.	0.9	18
58	Diastereoselective construction of syn-Î±-oxyamines via three-component Î±-oxyaldehydeâ€“dibenzylamineâ€“alkyne coupling reaction: application in the synthesis of (+)-Î²-conhydrine and its analogues. Organic and Biomolecular Chemistry, 2012, 10, 7536.	1.5	12
59	BODIPY based colorimetric fluorescent probe for selective thiophenol detection: theoretical and experimental studies. Analyst, The, 2012, 137, 3921.	1.7	91
60	A chromenoquinoline-based fluorescent offâ€“on thiol probe for bioimaging. Chemical Communications, 2012, 48, 2722.	2.2	141
61	Heat Shock Protein 90 as a Drug Target against Protozoan Infections. Journal of Biological Chemistry, 2010, 285, 37964-37975.	1.6	148
62	Inhibition of SIRT1 by a small molecule induces apoptosis in breast cancer cells. Biochemical and Biophysical Research Communications, 2010, 401, 13-19.	1.0	78
63	Conformationally Restricted Nucleocyclitols: a Study into their Conformational Preferences and Supramolecular Architecture in the Solid State. European Journal of Organic Chemistry, 2009, 2009, 4691-4698.	1.2	3
64	Use of the exciton chirality method in the investigation of ligand-gated synthetic ion channels. Chirality, 2006, 18, 91-94.	1.3	16
65	Molecular Recognition by Synthetic Multifunctional Pores in Practice: Are Structural Studies Really Helpful?. Advanced Functional Materials, 2006, 16, 169-179.	7.8	45
66	Photoproduction of Proton Gradients with Ï€-Stacked Fluorophore Scaffolds in Lipid Bilayers. Science, 2006, 313, 84-86.	6.0	397
67	Ligand-Gated Synthetic Ion Channels. Chemistry - A European Journal, 2005, 11, 6525-6532.	1.7	105
68	Synthetic Ion Channels with Rigid-Rod Ï€-Stack Architecture that Open in Response to Charge-Transfer Complex Formation. Journal of the American Chemical Society, 2005, 127, 6528-6529.	6.6	166
69	Outer surface modification of synthetic multifunctional pores. Bioorganic and Medicinal Chemistry, 2004, 12, 1325-1336.	1.4	23
70	Catalytic Rigid-Rod Î²-Barrels with Hydrazide Cofactors to Convert Poor Substrates as Hydrazone Conjugates. Chimia, 2003, 57, 208-209.	0.3	0
71	Bioorganic Chemistry of Rigid-Rod Molecules: Adventures with p-Oligophenyls. Chimia, 2002, 56, 667-671.	0.3	5
72	Fluorometric Detection of Enzyme Activity with Synthetic Supramolecular Pores. Science, 2002, 298, 1600-1602.	6.0	168

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73	A norbornyl route to aminocyclohexitols: syntheses of diverse aminocarbasugars and â€˜confusedâ€™ aminocarbasugars. Tetrahedron Letters, 2002, 43, 335-338.	0.7	22
74	A general norbornyl based synthetic approach to carbasugars and â€˜confusedâ€™ carbasugars. Tetrahedron Letters, 2001, 42, 7663-7666.	0.7	23
75	Self-Assembled Artificial Transmembrane Ion Channels. , 0, , 1-15.		0