Philip A Gale

List of Publications by Year
in descending order

334 papers	31,918 citations	3531 90 h-index	4432 172 g-index
380 all docs	380 docs citations	380 times ranked	12224 citing authors

#	Article	IF	Citations
1	Anion Recognition and Sensing: The State of the Art and Future Perspectives. Angewandte Chemie - International Edition, 2001, 40, 486-516.	13.8	3,381
2	Applications of Supramolecular Anion Recognition. Chemical Reviews, 2015, 115, 8038-8155.	47.7	1,025
3	Anion receptor chemistry: highlights from 2007. Chemical Society Reviews, 2009, 38, 520-563.	38.1	824
4	Anion receptors based on organic frameworks: highlights from 2005 and 2006. Chemical Society Reviews, 2008, 37, 151-190.	38.1	751
5	Pyrrolic and polypyrrolic anion binding agents. Coordination Chemistry Reviews, 2003, 240, 17-55.	18.8	741
6	Calix[4]pyrroles:Â Old Yet New Anion-Binding Agents. Journal of the American Chemical Society, 1996, 118, 5140-5141.	13.7	727
7	Structural and Molecular Recognition Studies with Acyclic Anion Receptors. Accounts of Chemical Research, 2006, 39, 465-475.	15.6	667
8	Anion receptor chemistry: highlights from 2010. Chemical Society Reviews, 2012, 41, 480-520.	38.1	607
9	Anion and ion-pair receptor chemistry: highlights from 2000 and 2001. Coordination Chemistry Reviews, 2003, 240, 191-221.	18.8	605
10	Anion receptor chemistry: highlights from 1999. Coordination Chemistry Reviews, 2001, 213, 79-128.	18.8	578
11	Anion sensing by small molecules and molecular ensembles. Chemical Society Reviews, 2015, 44, 4212-4227.	38.1	507
12	Anion receptor chemistry: highlights from 2008 and 2009. Chemical Society Reviews, 2010, 39, 3746.	38.1	475
13	Anion coordination and anion-directed assembly: highlights from 1997 and 1998. Coordination Chemistry Reviews, 2000, 199, 181-233.	18.8	473
14	Anion receptor chemistry: highlights from 2011 and 2012. Chemical Society Reviews, 2014, 43, 205-241.	38.1	439
15	Changing and challenging times for service crystallography. Chemical Science, 2012, 3, 683-689.	7.4	435
16	Calixpyrroles II. Coordination Chemistry Reviews, 2001, 222, 57-102.	18.8	400
17	Anion coordination and anion-templated assembly: Highlights from 2002 to 2004. Coordination Chemistry Reviews, 2006, 250, 3219-3244.	18.8	391
18	Calixpyrroles. Chemical Communications, 1998, , 1-8.	4.1	377

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19	Anion receptor chemistry. Chemical Communications, 2011, 47, 82-86.	4.1	348
20	Synthetic ion transporters can induce apoptosis by facilitating chloride anion transport into cells. Nature Chemistry, 2014, 6, 885-892.	13.6	348
21	Anion Receptor Chemistry. CheM, 2016, 1, 351-422.	11.7	342
22	Calix[4]pyrrole as a Chloride Anion Receptor:Â Solvent and Countercation Effects. Journal of the American Chemical Society, 2006, 128, 12281-12288.	13.7	327
23	Metalâˆ'Organic Anion Receptors:Â Arranging Urea Hydrogen-Bond Donors to Encapsulate Sulfate Ions. Journal of the American Chemical Society, 2004, 126, 5030-5031.	13.7	316
24	From Anion Receptors to Transporters. Accounts of Chemical Research, 2011, 44, 216-226.	15.6	278
25	Structureâ€"Activity Relationships in Tripodal Transmembrane Anion Transporters: The Effect of Fluorination. Journal of the American Chemical Society, 2011, 133, 14136-14148.	13.7	277
26	Anion transport and supramolecular medicinal chemistry. Chemical Society Reviews, 2017, 46, 2497-2519.	38.1	268
27	Synthetic indole, carbazole, biindole and indolocarbazole-based receptors: applications in anion complexation and sensing. Chemical Communications, 2008, , 4525.	4.1	266
28	Calix[4]pyrrole: An Old yet New Ion-Pair Receptor. Angewandte Chemie - International Edition, 2005, 44, 2537-2542.	13.8	255
29	Fluorescent and colorimetric sensors for anionic species. Coordination Chemistry Reviews, 2018, 354, 2-27.	18.8	246
30	Mechanisms of electrochemical recognition of cations, anions and neutral guest species by redox-active receptor molecules. Coordination Chemistry Reviews, 1999, 185-186, 3-36.	18.8	241
31	Electrochemical molecular recognition: pathways between complexation and signalling. Journal of the Chemical Society Dalton Transactions, 1999, , 1897-1910.	1.1	229
32	Squaramides as Potent Transmembrane Anion Transporters. Angewandte Chemie - International Edition, 2012, 51, 4426-4430.	13.8	222
33	Anion binding vs. deprotonation in colorimetric pyrrolylamidothiourea based anion sensors. Chemical Communications, 2006, , 965.	4.1	207
34	A synthetic ion transporter that disrupts autophagy and induces apoptosis by perturbing cellular chloride concentrations. Nature Chemistry, 2017, 9, 667-675.	13.6	201
35	Calix[4]pyrroles Containing Deep Cavities and Fixed Walls. Synthesis, Structural Studies, and Anion Binding Properties of the Isomeric Products Derived from the Condensation of p-Hydroxyacetophenone and Pyrrole. Journal of the American Chemical Society, 1999, 121, 11020-11021.	13.7	194
36	Anion Transporters and Biological Systems. Accounts of Chemical Research, 2013, 46, 2801-2813.	15.6	194

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37	Amidopyrroles: from anion receptors to membrane transport agents. Chemical Communications, 2005, , 3761.	4.1	192
38	Nitrophenyl derivatives of pyrrole 2,5-diamides: structural behaviour, anion binding and colour change signalled deprotonationElectronic supplementary information (ESI) available: 1H NMR, 13C NMR and mass spectra for compounds 2 and 3, NMR anion titration profiles in DMSO-d6â€“0.5% water. See http://www.rsc.org/suppdata/ob/b2/b210848h/. Organic and Biomolecular Chemistry, 2003, 1, 741-744.	2.8	186
39	Using small molecules to facilitate exchange of bicarbonate and chloride anions across liposomal membranes. Nature Chemistry, 2009, 1, 138-144.	13.6	185
40	Advances in Anion Receptor Chemistry. CheM, 2020, 6, 61-141.	11.7	180
41	Smallâ€Molecule Lipidâ€Bilayer Anion Transporters for Biological Applications. Angewandte Chemie - International Edition, 2013, 52, 1374-1382.	13.8	167
42	Title is missing!. Coordination Chemistry Reviews, 2003, 240, 1.	18.8	164
43	Anthracene-linked calix[4]pyrroles: fluorescent chemosensors for anions. Chemical Communications, 1999, , 1723-1724.	4.1	163
44	1,3â€Diindolylureas and 1,3â€Diindolylthioureas: Anion Complexation Studies in Solution and the Solid State. Chemistry - A European Journal, 2008, 14, 10236-10243.	3.3	159
45	A colourimetric calix[4]pyrroleâ€“4-nitrophenolate based anion sensorâ€. Chemical Communications, 1999, , 1851-1852.	4.1	154
46	Binding of Neutral Substrates by Calix[4]pyrroles. Journal of the American Chemical Society, 1996, 118, 12471-12472.	13.7	152
47	Anion-directed assembly: the first fluoride-directed double helix. Chemical Communications, 2003, , 568-569.	4.1	144
48	Preface: supramolecular chemistry of anionic species themed issue. Chemical Society Reviews, 2010, 39, 3595.	38.1	144
49	Anion Recognition and Sensing: The State of the Art and Future Perspectives. Angewandte Chemie - International Edition, 2001, 40, 486-516.	13.8	138
50	Synthetic Ditopic Receptors. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 41, 69-75.	1.6	136
51	Advances in anion transport and supramolecular medicinal chemistry. Chemical Society Reviews, 2020, 49, 6056-6086.	38.1	134
52	Conformational Control of Transmembrane Cl-Transport. Journal of the American Chemical Society, 2007, 129, 1886-1887.	13.7	131
53	Anion-binding modes in a macrocyclic amidourea. Chemical Communications, 2006, , 4344.	4.1	130
54	1,2,3-Triazole-strapped calix[4]pyrrole: a new membrane transporter for chloride. Chemical Communications, 2009, , 3017.	4.1	129

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55	Nonprotonophoric Electrogenic Clâˆ' Transport Mediated by Valinomycin-like Carriers. CheM, 2016, 1, 127-146.	11.7	128
56	Tripodal transmembrane transporters for bicarbonate. Chemical Communications, 2010, 46, 6252.	4.1	127
57	Co-transport of H+/Clâ€" by a synthetic prodigiosin mimic. Chemical Communications, 2005, , 3773.	4.1	126
58	Isophthalamides and 2,6-dicarboxamidopyridines with pendant indole groups: a â€˜twistedâ€™ binding mode for selective fluoride recognition. Chemical Communications, 2007, , 2121-2123.	4.1	126
59	Anionâˆ'Anion Assembly:â€‰ A New Class of Anionic Supramolecular Polymer Containing 3,4-Dichloro-2,5-diamido-substituted Pyrrole Anion Dimers. Journal of the American Chemical Society, 2002, 124, 11228-11229.	13.7	124
60	1,3-Diindolylureas: high affinity dihydrogen phosphate receptors. Chemical Communications, 2008, , 3007.	4.1	124
61	Carboxylate complexation by a family of easy-to-make ortho-phenylenediamine based bis-ureas: studies in solution and the solid state. New Journal of Chemistry, 2006, 30, 65-70.	2.8	123
62	Calix[4]pyrroles: New Solid-Phase HPLC Supports for the Separation of Anions. Chemistry - A European Journal, 1998, 4, 1095-1099.	3.3	122
63	Solution and solid-state studies of 3,4-dichloro-2,5-diamidopyrroles: formation of an unusual anionic narcissistic dimerElectronic supplementary information (ESI) available: synthesis and characterisation of compounds 3 and 4. See http://www.rsc.org/suppdata/cc/b2/b200980c/. Chemical Communications, 2002, , 758-759.	4.1	122
64	Fluoride-Selective Binding in a New Deep Cavity Calix[4]pyrrole:â€‰ Experiment and Theory. Journal of the American Chemical Society, 2002, 124, 8644-8652.	13.7	119
65	Chloride, carboxylate and carbonate transport by ortho-phenylenediamine-based bisureas. Chemical Science, 2013, 4, 103-117.	7.4	119
66	Acyclic indole and carbazole-based sulfate receptors. Chemical Science, 2010, 1, 215.	7.4	117
67	Octafluorocalix[4]pyrrole: A Chloride/Bicarbonate Antiport Agent. Journal of the American Chemical Society, 2010, 132, 3240-3241.	13.7	115
68	Carboxylate complexation by 1,1â€²-(1,2-phenylene)bis(3-phenylurea) in solution and the solid state. Chemical Communications, 2005, , 4696.	4.1	114
69	meso-Octamethylcalix[4]pyrrole: an old yet new transmembrane ion-pair transporter. Chemical Communications, 2008, , 6321.	4.1	114
70	Anion Binding: Self-Assembly of Polypyrrolic Macrocycles. Angewandte Chemie International Edition in English, 1996, 35, 2782-2785.	4.4	113
71	Anion receptor chemistry: Highlights from 2016. Coordination Chemistry Reviews, 2018, 375, 333-372.	18.8	112
72	Supramolecular Transmembrane Anion Transport: New Assays and Insights. Accounts of Chemical Research, 2018, 51, 1870-1879.	15.6	112

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73	Thiosquaramides: pH switchable anion transporters. Chemical Science, 2014, 5, 3617-3626.	7.4	109
74	Highâ€Affinity Anion Binding by Steroidal Squaramide Receptors. Angewandte Chemie - International Edition, 2015, 54, 4592-4596.	13.8	106
75	Advances in applied supramolecular technologies. Chemical Society Reviews, 2021, 50, 2737-2763.	38.1	105
76	Towards predictable transmembrane transport: QSAR analysis of anion binding and transport. Chemical Science, 2013, 4, 3036.	7.4	104
77	Fluoride recognition in â€˜super-extended cavityâ€™ calix[4]pyrroles. Chemical Communications, 2000, , 1129-1130.	4.1	102
78	Ferrocene-substituted calix[4]pyrrole: a new electrochemical sensor for anions involving CHâ‹¯anion hydrogen bonds. Tetrahedron Letters, 2001, 42, 6759-6762.	1.4	102
79	Platinum(ii) nicotinamide complexes as receptors for oxo-anions. Chemical Communications, 2001, , 729-730.	4.1	101
80	Anionâ€“Anion Proton Transfer in Hydrogen Bonded Complexes. Chemistry - an Asian Journal, 2010, 5, 555-561.	3.3	101
81	2-Amidopyrroles and 2,5-Diamidopyrroles as Simple Anion Binding Agents. Journal of Organic Chemistry, 2001, 66, 7849-7853.	3.2	96
82	2,7-Functionalized Indoles as Receptors for Anions. Journal of Organic Chemistry, 2007, 72, 8921-8927.	3.2	96
83	Synthetic transporters for sulfate: a new method for the direct detection of lipid bilayer sulfate transport. Chemical Science, 2014, 5, 1118.	7.4	95
84	Calix[4]pyrroles: C-rim substitution and tunability of anion binding strength. Chemical Communications, 1997, , 665-666.	4.1	92
85	Functionalized calix[4]pyrroles. Pure and Applied Chemistry, 1998, 70, 2401-2408.	1.9	92
86	Calix[4]pyrrole-based anion transporters with tuneable transport properties. Organic and Biomolecular Chemistry, 2010, 8, 4356.	2.8	92
87	NH vs. CH hydrogen bond formation in metalâ€“organic anion receptors containing pyrrolylpyridine ligands. Chemical Communications, 2005, , 4913.	4.1	91
88	Structurally simple lipid bilayer transport agents for chloride and bicarbonate. Chemical Science, 2011, 2, 256-260.	7.4	91
89	Oligoetherâ€Strapped Calix[4]pyrrole: An Ionâ€Pair Receptor Displaying Cationâ€Dependent Chloride Anion Transport. Chemistry - A European Journal, 2012, 18, 2514-2523.	3.3	91
90	Prospects and Challenges in Anion Recognition and Transport. CheM, 2020, 6, 1296-1309.	11.7	90

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91	Acridinone-based anion receptors and sensors. Chemical Communications, 2007, , 1450-1452.	4.1	89
92	Calix[4]pyridine: a new arrival in the heterocalixarene family. Chemical Communications, 1998, , 9-10.	4.1	87
93	New Ionophoric Calix[4]diquinones:â€‰ Coordination Chemistry, Electrochemistry, and X-ray Crystal Structures. Inorganic Chemistry, 1997, 36, 5880-5893.	4.0	86
94	Conformational Control of Selectivity and Stability in Hybrid Amide/Urea Macrocycles. Chemistry - A European Journal, 2007, 13, 3320-3329.	3.3	86
95	Pyrrolylamidourea based anion receptors. New Journal of Chemistry, 2006, 30, 1019.	2.8	83
96	Anion binding vs.sulfonamide deprotonation in functionalised ureas. Chemical Communications, 2008, , 61-63.	4.1	82
97	Advances in fluorescent and colorimetric sensors for anionic species. Coordination Chemistry Reviews, 2021, 427, 213573.	18.8	82
98	Lower-rim ferrocenyl substituted calixarenes: New electrochemical sensors for anions. Polyhedron, 1998, 17, 405-412.	2.2	80
99	Cooperative Binding of Calix[4]pyrroleâ€"Anion Complexes and Alkylammonium Cations in Halogenated Solvents. Chemistry - A European Journal, 2008, 14, 7822-7827.	3.3	77
100	Transmembrane anion transport by synthetic systems. Chemical Communications, 2011, 47, 8203.	4.1	77
101	Molecular Recognition at an Organicâˆ'Aqueous Interface:Â Heterocalixarenes as Anion Binding Agents in Liquid Polymeric Membrane Ion-Selective Electrodes. Journal of the American Chemical Society, 1999, 121, 8771-8775.	13.7	75
102	pH-Regulated Nonelectrogenic Anion Transport by Phenylthiosemicarbazones. Journal of the American Chemical Society, 2016, 138, 8301-8308.	13.7	75
103	Hydrogen-bonding pyrrolic amide cleft anion receptors. Tetrahedron Letters, 2001, 42, 5095-5097.	1.4	74
104	Towards â€œdrug-likeâ€• indole-based transmembrane anion transporters. Chemical Science, 2012, 3, 2501.	7.4	73
105	Determinants of Ion-Transporter Cancer Cell Death. CheM, 2019, 5, 2079-2098.	11.7	73
106	Fluorescent carbazolylurea anion receptors. Organic and Biomolecular Chemistry, 2009, 7, 1781.	2.8	71
107	Acylthioureas as anion transporters: the effect of intramolecular hydrogen bonding. Organic and Biomolecular Chemistry, 2014, 12, 62-72.	2.8	71
108	Transmembrane Fluoride Transport: Direct Measurement and Selectivity Studies. Journal of the American Chemical Society, 2016, 138, 16515-16522.	13.7	70

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109	Anion carriers as potential treatments for cystic fibrosis: transport in cystic fibrosis cells, and additivity to channel-targeting drugs. Chemical Science, 2019, 10, 9663-9672.	7.4	70
110	Solvent-induced supramolecular isomerism in [Pt(Sî€C(NH2)2)4]2+ croconate salts. Chemical Communications, 2005, , 5864.	4.1	68
111	Lipophilic balance â€“ a new design principle for transmembrane anion carriers. Chemical Science, 2014, 5, 1128.	7.4	68
112	Hydrogen bond-mediated recognition of the chemical warfare agent soman (GD). Chemical Communications, 2012, 48, 5605.	4.1	67
113	Conformational control of HCl co-transporter: imidazole functionalised isophthalamide vs. 2,6-dicarboxamidopyridine. Chemical Communications, 2007, , 1736.	4.1	65
114	Progress in anion receptor chemistry. CheM, 2022, 8, 46-118.	11.7	65
115	A neutral upper to lower rim linked bis-calix[4]arene receptor that recognises anionic guest species. Tetrahedron Letters, 1995, 36, 767-770.	1.4	63
116	Modified Calix[4]pyrroles. Industrial & Engineering Chemistry Research, 2000, 39, 3471-3478.	3.7	62
117	First synthesis of an expanded calixpyrrole. Tetrahedron Letters, 1997, 38, 8443-8444.	1.4	61
118	Cytosine substituted calix[4]pyrroles: Neutral receptors for 5'-guanosine monophosphate. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4848-4853.	7.1	61
119	Diester-calix[4]arenediquinone complexation and electrochemical recognition of group 1 and 2, ammonium and alkyl ammonium guest cations.. Tetrahedron, 1994, 50, 931-940.	1.9	60
120	Highly effective yet simple transmembrane anion transporters based upon <i>ortho</i>-phenylenediamine bis-ureas. Chemical Communications, 2014, 50, 12050-12053.	4.1	57
121	Dynamic Covalent Transport of Amino Acids across Lipid Bilayers. Journal of the American Chemical Society, 2015, 137, 1476-1484.	13.7	54
122	Tunable transmembrane chloride transport by bis-indolylureas. Chemical Science, 2012, 3, 1436.	7.4	53
123	Artificial transmembrane ion transporters as potential therapeutics. CheM, 2021, 7, 3256-3291.	11.7	53
124	pH switchable anion transport by an oxothiosquaramide. Chemical Communications, 2015, 51, 10107-10110.	4.1	51
125	ortho-Phenylenediamine bis-ureaâ€“carboxylate: a new reliable supramolecular synthon. CrystEngComm, 2005, 7, 586.	2.6	50
126	Small-Molecule Uncoupling Protein Mimics: Synthetic Anion Receptors as Fatty Acid-Activated Proton Transporters. Journal of the American Chemical Society, 2016, 138, 16508-16514.	13.7	50

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127	Perenosins: a new class of anion transporter with anti-cancer activity. Organic and Biomolecular Chemistry, 2016, 14, 2645-2650.	2.8	50
128	Synthesis of a new cylindrical calix[4]arene-calix[4]pyrrole pseudo dimer. Tetrahedron Letters, 1996, 37, 7881-7884.	1.4	49
129	Synthesis and Anion Binding Properties ofN,Nâ€˜-Bispyrrol-2-yl-2,5-diamidopyrrole. Organic Letters, 2006, 8, 1593-1596.	4.6	48
130	Carbamate complexation by urea-based receptors: studies in solution and the solid state. Organic and Biomolecular Chemistry, 2010, 8, 100-106.	2.8	48
131	Detection of nerve agent via perturbation of supramolecular gel formation. Chemical Communications, 2013, 49, 9119.	4.1	48
132	Detection and remediation of organophosphorus compounds by oximate containing organogels. Chemical Science, 2015, 6, 5680-5684.	7.4	48
133	Photomodulation of Transmembrane Transport and Potential by Stiff-Stilbene Based Bis(thio)ureas. Journal of the American Chemical Society, 2022, 144, 331-338.	13.7	48
134	Lithiation ofmeso-Octamethylcalix[4]pyrrole:Â A General Route toC-Rim Monosubstituted Calix[4]pyrroles. Journal of Organic Chemistry, 2000, 65, 7641-7645.	3.2	47
135	QSAR analysis of substituent effects on tambjamine anion transporters. Chemical Science, 2016, 7, 1600-1608.	7.4	47
136	Voltageâ€Switchable HCl Transport Enabled by Lipid Headgroupâ€“Transporter Interactions. Angewandte Chemie - International Edition, 2019, 58, 15142-15147.	13.8	47
137	Complexation of Alkali Chloride Contact Ion-Pairs Using A 2,5-Diamidopyrrole Crown Macrobicycle. Journal of Supramolecular Chemistry, 2001, 1, 289-292.	0.4	46
138	Metalâ€“organic anion receptors: trans-functionalised platinum complexes. Chemical Communications, 2008, , 5695.	4.1	46
139	Tetraurea Macrocycles: Aggregation-Driven Binding of Chloride in Aqueous Solutions. CheM, 2019, 5, 1210-1222.	11.7	46
140	Metal-induced pre-organisation for anion recognition in a neutral platinum-containing receptor. Chemical Communications, 2009, , 6279.	4.1	45
141	Anion recognition and transport properties of sulfamide-, phosphoric triamide- and thiophosphoric triamide-based receptors. Chemical Communications, 2013, 49, 874-876.	4.1	45
142	Oligopyrrole-based solid state self-assemblies. Polyhedron, 2003, 22, 2963-2983.	2.2	44
143	Fluorescent transmembrane anion transporters: shedding light on anionophoric activity in cells. Chemical Science, 2016, 7, 5069-5077.	7.4	44
144	Confirmation of a â€˜cleft-modeâ€™ of binding in a 2,5-diamidopyrrole anion receptor in the solid state. Tetrahedron Letters, 2002, 43, 6995-6996.	1.4	43

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145	Thiourea isosteres as anion receptors and transmembrane transporters. Chemical Communications, 2011, 47, 7641.	4.1	43
146	Anion transport by <i>ortho</i>-phenylene bis-ureas across cell and vesicle membranes. Organic and Biomolecular Chemistry, 2018, 16, 1083-1087.	2.8	43
147	Fluorescent squaramides as anion receptors and transmembrane anion transporters. Chemical Communications, 2018, 54, 1363-1366.	4.1	43
148	Structures of potassium encapsulated within the 1,3-alternate conformation of calix[4]arenes. Journal of the Chemical Society Dalton Transactions, 1994, , 3479.	1.1	42
149	â€˜Twistedâ€™ isophthalamide analogues. Chemical Communications, 2005, , 734-736.	4.1	42
150	Indole-based perenosins as highly potent HCl transporters and potential anti-cancer agents. Scientific Reports, 2017, 7, 9397.	3.3	42
151	Supramolecular chemistry: from complexes to complexity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2000, 358, 431-453.	3.4	40
152	Anion-induced conformational changes in 2,7-disubstituted indole-based receptors. Organic and Biomolecular Chemistry, 2009, 7, 3505.	2.8	40
153	Synthesis and electrochemical polymerization of calix[4]arenes containing N-substituted pyrrole moieties. Journal of Electroanalytical Chemistry, 1995, 393, 113-117.	3.8	39
154	Ionic liquidâ€“calix[4]pyrrole complexes: pyridinium inclusion in the calixpyrrole cup. CrystEngComm, 2006, 8, 300-302.	2.6	39
155	Dissecting the chlorideâ€“nitrate anion transport assay. Chemical Communications, 2017, 53, 9230-9233.	4.1	39
156	Electrochemical Recognition of Charged and Neutral Guest Species by Redox-active Receptor Molecules. Advances in Physical Organic Chemistry, 1999, , 1-90.	0.5	37
157	2,5-Diamidofuran anion receptors. Tetrahedron Letters, 2003, 44, 1367-1369.	1.4	37
158	Anion binding properties of 5,5â€²-dicarboxamido-dipyrrolylmethanes. Organic and Biomolecular Chemistry, 2004, 2, 2935-2941.	2.8	37
159	Ferrocene-substituted calix[4]pyrrole modified carbon paste electrodes for anion detection in water. Journal of Electroanalytical Chemistry, 2006, 591, 223-228.	3.8	37
160	Benzimidazole-based anion receptors: tautomeric switching and selectivity. Organic and Biomolecular Chemistry, 2012, 10, 5909.	2.8	37
161	Anion transport across varying lipid membranes â€“ the effect of lipophilicity. Chemical Communications, 2015, 51, 4883-4886.	4.1	37
162	Chloride anion transporters inhibit growth of methicillin-resistant Staphylococcus aureus (MRSA) in vitro. Chemical Communications, 2016, 52, 7560-7563.	4.1	37

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163	Fatty Acid Fueled Transmembrane Chloride Transport. Journal of the American Chemical Society, 2019, 141, 10654-10660.	13.7	37
164	Supramolecular chemistry anniversary. Chemical Society Reviews, 2007, 36, 141.	38.1	35
165	Amido complexes of platinum(II) as receptors for the nitrate ion. Journal of Supramolecular Chemistry, 2002, 2, 93-96.	0.4	34
166	Anion complexation properties of 2,2â€²-bisamidodipyrrolylmethanes. Chemical Communications, 2003, , 1686-1687.	4.1	34
167	Towards the Discrimination of Carboxylates by Hydrogenâ€Bond Donor Anion Receptors. Chemistry - A European Journal, 2015, 21, 5145-5160.	3.3	34
168	Fluoride binding by an anionic receptor: tuning the acidity of amide NH groups for basic anion hydrogen bonding and recognition. Chemical Communications, 2019, 55, 2745-2748.	4.1	34
169	Neutral 1,3â€Diindolylureas for Nerve Agent Remediation. Chemistry - A European Journal, 2013, 19, 1586-1590.	3.3	33
170	Anion recognition by N-confused calix[4]pyrrole-Î±-carbaldehyde and its Knoevenagel reaction derivatives. New Journal of Chemistry, 2007, 31, 691-696.	2.8	32
171	An Introduction to Anion Receptors Based on Organic Frameworks. , 2007, , 1-44.		32
172	Metal, ammonium and alkyl ammonium cation recognition by a novel calix[4]arenediquinone crown ether. Journal of the Chemical Society Chemical Communications, 1994, , 2207.	2.0	31
173	Supramolecular chemistry anniversary. Chemical Society Reviews, 2017, 46, 2376-2377.	38.1	31
174	Cation recognition by new diester- and diamide-calix[4]arenediquinones and a diamide-benzo-15-crown-5-calix[4]arene. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1994, 19, 343-359.	1.6	30
175	A dual host approach to transmembrane transport of salts. Chemical Communications, 2011, 47, 689-691.	4.1	30
176	New Insights into the Anion Transport Selectivity and Mechanism of Trenâ€based Trisâ€(thio)ureas. Chemistry - A European Journal, 2018, 24, 10475-10487.	3.3	30
177	Stabilisation of alkylcarbamate anions using neutral hydrogen bond donors. Tetrahedron Letters, 2009, 50, 4922-4924.	1.4	29
178	Substituent interference on supramolecular assembly in urea gelators: synthesis, structure prediction and NMR. Soft Matter, 2016, 12, 4034-4043.	2.7	29
179	Fluorinated tripodal receptors for potentiometric chloride detection in biological fluids. Biosensors and Bioelectronics, 2018, 99, 70-76.	10.1	29
180	Fluorinated synthetic anion carriers: experimental and computational insights into transmembrane chloride transport. Chemical Science, 2019, 10, 1976-1985.	7.4	29

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181	Anion binding in metal-organic frameworks. Coordination Chemistry Reviews, 2021, 432, 213708.	18.8	29
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