

Philip A Gale

List of Publications by Citations

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314
papers

28,137
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83
h-index

162
g-index

380
ext. papers

29,814
ext. citations

10.1
avg, IF

7.74
L-index

#	Paper	IF	Citations
314	Anion Recognition and Sensing: The State of the Art and Future Perspectives. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 486-516	16.4	3092
313	Applications of Supramolecular Anion Recognition. <i>Chemical Reviews</i> , 2015 , 115, 8038-155	68.1	825
312	Anion receptor chemistry: highlights from 2007. <i>Chemical Society Reviews</i> , 2009 , 38, 520-63	58.5	786
311	Anion receptors based on organic frameworks: highlights from 2005 and 2006. <i>Chemical Society Reviews</i> , 2008 , 37, 151-90	58.5	711
310	Pyrrolic and polypyrrolic anion binding agents. <i>Coordination Chemistry Reviews</i> , 2003 , 240, 17-55	23.2	697
309	Structural and molecular recognition studies with acyclic anion receptors. <i>Accounts of Chemical Research</i> , 2006 , 39, 465-75	24.3	646
308	Calix[4]pyrroles: Old Yet New Anion-Binding Agents. <i>Journal of the American Chemical Society</i> , 1996 , 118, 5140-5141	16.4	619
307	Anion and ion-pair receptor chemistry: highlights from 2000 and 2001. <i>Coordination Chemistry Reviews</i> , 2003 , 240, 191-221	23.2	581
306	Anion receptor chemistry: highlights from 2010. <i>Chemical Society Reviews</i> , 2012 , 41, 480-520	58.5	572
305	Anion receptor chemistry: highlights from 1999. <i>Coordination Chemistry Reviews</i> , 2001 , 213, 79-128	23.2	534
304	Anion receptor chemistry: highlights from 2008 and 2009. <i>Chemical Society Reviews</i> , 2010 , 39, 3746-71	58.5	457
303	Erkennung und Nachweis von Anionen: gegenwärtiger Stand und Perspektiven. <i>Angewandte Chemie</i> , 2001 , 113, 502-532	3.6	444
302	Anion sensing by small molecules and molecular ensembles. <i>Chemical Society Reviews</i> , 2015 , 44, 4212-2758.5	58.5	430
301	Anion coordination and anion-directed assembly: highlights from 1997 and 1998. <i>Coordination Chemistry Reviews</i> , 2000 , 199, 181-233	23.2	424
300	Anion receptor chemistry: highlights from 2011 and 2012. <i>Chemical Society Reviews</i> , 2014 , 43, 205-41	58.5	401
299	Changing and challenging times for service crystallography. <i>Chemical Science</i> , 2012 , 3, 683-689	9.4	394
298	Anion coordination and anion-templated assembly: Highlights from 2002 to 2004. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 3219-3244	23.2	374

297	Calixpyrroles II. <i>Coordination Chemistry Reviews</i> , 2001 , 222, 57-102	23.2	362
296	Calixpyrroles. <i>Chemical Communications</i> , 1998 , 1-8	5.8	345
295	Calix[4]pyrrole as a chloride anion receptor: solvent and counteraction effects. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12281-8	16.4	305
294	Metal-organic anion receptors: arranging urea hydrogen-bond donors to encapsulate sulfate ions. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5030-1	16.4	305
293	Anion receptor chemistry. <i>Chemical Communications</i> , 2011 , 47, 82-6	5.8	302
292	Synthetic ion transporters can induce apoptosis by facilitating chloride anion transport into cells. <i>Nature Chemistry</i> , 2014 , 6, 885-92	17.6	289
291	From anion receptors to transporters. <i>Accounts of Chemical Research</i> , 2011 , 44, 216-26	24.3	267
290	Anion Receptor Chemistry. <i>CheM</i> , 2016 , 1, 351-422	16.2	265
289	Structure-activity relationships in tripodal transmembrane anion transporters: the effect of fluorination. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14136-48	16.4	254
288	Synthetic indole, carbazole, biindole and indolocarbazole-based receptors: applications in anion complexation and sensing. <i>Chemical Communications</i> , 2008 , 4525-40	5.8	244
287	Calix[4]pyrrole: an old yet new ion-pair receptor. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2537-42	16.4	235
286	Mechanisms of electrochemical recognition of cations, anions and neutral guest species by redox-active receptor molecules. <i>Coordination Chemistry Reviews</i> , 1999 , 185-186, 3-36	23.2	228
285	Electrochemical molecular recognition: pathways between complexation and signalling. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 1897-1910		214
284	Anion transport and supramolecular medicinal chemistry. <i>Chemical Society Reviews</i> , 2017 , 46, 2497-2519	58.5	205
283	Anion binding vs. deprotonation in colorimetric pyrrolylamidothiourea based anion sensors. <i>Chemical Communications</i> , 2006 , 965-7	5.8	199
282	Fluorescent and colorimetric sensors for anionic species. <i>Coordination Chemistry Reviews</i> , 2018 , 354, 2-27	23.2	187
281	Squaramides as potent transmembrane anion transporters. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4426-30	16.4	185
280	Nitrophenyl derivatives of pyrrole 2,5-diamides: structural behaviour, anion binding and colour change signalled deprotonation. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 741-4	3.9	182

- 279 Amidopyrroles: from anion receptors to membrane transport agents. *Chemical Communications*, **2005**, 3761-72 5.8 181
- 278 Using small molecules to facilitate exchange of bicarbonate and chloride anions across liposomal membranes. *Nature Chemistry*, **2009**, 1, 138-44 17.6 177
- 277 Anion transporters and biological systems. *Accounts of Chemical Research*, **2013**, 46, 2801-13 24.3 173
- 276 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 16.4 173
- 275 A synthetic ion transporter that disrupts autophagy and induces apoptosis by perturbing cellular chloride concentrations. *Nature Chemistry*, **2017**, 9, 667-675 17.6 158
- 274 . *Coordination Chemistry Reviews*, **2003**, 240, 1 23.2 156
- 273 Anthracene-linked calix[4]pyrroles: fluorescent chemosensors for anions. *Chemical Communications*, **1999**, 1723-1724 5.8 155
- 272 1,3-diindolylureas and 1,3-diindolylthioureas: anion complexation studies in solution and the solid state. *Chemistry - A European Journal*, **2008**, 14, 10236-43 4.8 154
- 271 Small-molecule lipid-bilayer anion transporters for biological applications. *Angewandte Chemie - International Edition*, **2013**, 52, 1374-82 16.4 150
- 270 A colourimetric calix[4]pyrrole- β -nitrophenolate based anion sensor. *Chemical Communications*, **1999**, 1851-1852 5.8 147
- 269 Anion-directed assembly: the first fluoride-directed double helix. *Chemical Communications*, **2003**, 568-9 5.8 141
- 268 Binding of Neutral Substrates by Calix[4]pyrroles. *Journal of the American Chemical Society*, **1996**, 118, 12471-12472 16.4 134
- 267 Synthetic Ditopic Receptors. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2001**, 41, 69-75 128
- 266 Anion Recognition and Sensing: The State of the Art and Future Perspectives. *Angewandte Chemie - International Edition*, **2001**, 40, 486-516 16.4 126
- 265 Anion-binding modes in a macrocyclic amidourea. *Chemical Communications*, **2006**, 4344-6 5.8 124
- 264 1,3-Diindolylureas: high affinity dihydrogen phosphate receptors. *Chemical Communications*, **2008**, 3007-9 5.8 121
- 263 Isophthalamides and 2,6-dicarboxamidopyridines with pendant indole groups: a 'twisted' binding mode for selective fluoride recognition. *Chemical Communications*, **2007**, 2121-3 5.8 120
- 262 Conformational control of transmembrane Cl⁻ transport. *Journal of the American Chemical Society*, **2007**, 129, 1886-7 16.4 119

261	Solution and solid-state studies of 3,4-dichloro-2,5-diamidopyrroles: formation of an unusual anionic narcissistic dimer. <i>Chemical Communications</i> , 2002 , 758-9	5.8	119
260	Carboxylate complexation by a family of easy-to-make ortho-phenylenediamine based bis-ureas: studies in solution and the solid state. <i>New Journal of Chemistry</i> , 2006 , 30, 65-70	3.6	118
259	Co-transport of H ⁺ /Cl ⁻ by a synthetic prodigiosin mimic. <i>Chemical Communications</i> , 2005 , 3773-5	5.8	117
258	Tripodal transmembrane transporters for bicarbonate. <i>Chemical Communications</i> , 2010 , 46, 6252-4	5.8	116
257	1,2,3-triazole-strapped calix[4]pyrrole: a new membrane transporter for chloride. <i>Chemical Communications</i> , 2009 , 3017-9	5.8	116
256	Fluoride-selective binding in a new deep cavity calix[4]pyrrole: experiment and theory. <i>Journal of the American Chemical Society</i> , 2002 , 124, 8644-52	16.4	113
255	Anion-anion assembly: a new class of anionic supramolecular polymer containing 3,4-dichloro-2,5-diamido-substituted pyrrole anion dimers. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11228-9	16.4	113
254	Calix[4]pyrroles: New Solid-Phase HPLC Supports for the Separation of Anions. <i>Chemistry - A European Journal</i> , 1998 , 4, 1095-1099	4.8	111
253	Carboxylate complexation by 1,1'-(1,2-phenylene)bis(3-phenylurea) in solution and the solid state. <i>Chemical Communications</i> , 2005 , 4696-8	5.8	111
252	Acyclic indole and carbazole-based sulfate receptors. <i>Chemical Science</i> , 2010 , 1, 215	9.4	108
251	Chloride, carboxylate and carbonate transport by ortho-phenylenediamine-based bisureas. <i>Chemical Science</i> , 2013 , 4, 103-117	9.4	107
250	Octafluorocalix[4]pyrrole: a chloride/bicarbonate antiport agent. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3240-1	16.4	105
249	meso-octamethylcalix[4]pyrrole: an old yet new transmembrane ion-pair transporter. <i>Chemical Communications</i> , 2008 , 6321-3	5.8	102
248	Anion-anion proton transfer in hydrogen bonded complexes. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 555-61.5	9.5	99
247	Anion Binding: Self-Assembly of Polypyrrolic Macrocycles. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 2782-2785		98
246	Nonprotonophoric Electrogenic Cl ⁻ Transport Mediated by Valinomycin-like Carriers. <i>Chem</i> , 2016 , 1, 127-146	16.2	97
245	Platinum(II) nicotinamide complexes as receptors for oxo-anions. <i>Chemical Communications</i> , 2001 , 729-730	3.0	97
244	Fluoride recognition in super-extended cavity calix[4]pyrroles. <i>Chemical Communications</i> , 2000 , 1129-1130	3.0	94

243	2,7-Functionalized indoles as receptors for anions. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8921-7	4.2	90
242	Advances in Anion Receptor Chemistry. <i>Chem</i> , 2020 , 6, 61-141	16.2	90
241	Towards predictable transmembrane transport: QSAR analysis of anion binding and transport. <i>Chemical Science</i> , 2013 , 4, 3036	9.4	89
240	Thiosquaramides: pH switchable anion transporters. <i>Chemical Science</i> , 2014 , 5, 3617-3626	9.4	88
239	NH vs. CH hydrogen bond formation in metal-organic anion receptors containing pyrrolylpyridine ligands. <i>Chemical Communications</i> , 2005 , 4913-5	5.8	88
238	Acridinone-based anion receptors and sensors. <i>Chemical Communications</i> , 2007 , 1450-2	5.8	87
237	Ferrocene-substituted calix[4]pyrrole: a new electrochemical sensor for anions involving CH π -anion hydrogen bonds. <i>Tetrahedron Letters</i> , 2001 , 42, 6759-6762	2	87
236	Calix[4]pyrroles: C-rim substitution and tunability of anion binding strength. <i>Chemical Communications</i> , 1997 , 665-666	5.8	86
235	Synthetic transporters for sulfate: a new method for the direct detection of lipid bilayer sulfate transport. <i>Chemical Science</i> , 2014 , 5, 1118	9.4	85
234	2-amidopyrroles and 2,5-diamidopyrroles as simple anion binding agents. <i>Journal of Organic Chemistry</i> , 2001 , 66, 7849-53	4.2	85
233	Functionalized calix[4]pyrroles. <i>Pure and Applied Chemistry</i> , 1998 , 70, 2401-2408	2.1	84
232	Structurally simple lipid bilayer transport agents for chloride and bicarbonate. <i>Chemical Science</i> , 2011 , 2, 256-260	9.4	83
231	Conformational control of selectivity and stability in hybrid amide/urea macrocycles. <i>Chemistry - A European Journal</i> , 2007 , 13, 3320-9	4.8	82
230	Calix[4]pyrrole-based anion transporters with tuneable transport properties. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 4356-63	3.9	81
229	Pyrrolylamidourea based anion receptors. <i>New Journal of Chemistry</i> , 2006 , 30, 1019	3.6	80
228	Anion binding vs. sulfonamide deprotonation in functionalised ureas. <i>Chemical Communications</i> , 2008 , 61-3	5.8	78
227	Calix[4]pyridine: a new arrival in the heterocalixarene family. <i>Chemical Communications</i> , 1998 , 9-10	5.8	78
226	Anion receptor chemistry: Highlights from 2016. <i>Coordination Chemistry Reviews</i> , 2018 , 375, 333-372	23.2	77

225	High-affinity anion binding by steroidal squaramide receptors. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4592-6	16.4	77
224	Transmembrane anion transport by synthetic systems. <i>Chemical Communications</i> , 2011 , 47, 8203-9	5.8	75
223	Supramolecular Transmembrane Anion Transport: New Assays and Insights. <i>Accounts of Chemical Research</i> , 2018 , 51, 1870-1879	24.3	73
222	New Ionophoric Calix[4]diquinones: Coordination Chemistry, Electrochemistry, and X-ray Crystal Structures. <i>Inorganic Chemistry</i> , 1997 , 36, 5880-5893	5.1	72
221	Cooperative binding of calix[4]pyrrole-anion complexes and alkylammonium cations in halogenated solvents. <i>Chemistry - A European Journal</i> , 2008 , 14, 7822-7	4.8	72
220	Oligoether-strapped calix[4]pyrrole: an ion-pair receptor displaying cation-dependent chloride anion transport. <i>Chemistry - A European Journal</i> , 2012 , 18, 2514-23	4.8	70
219	Towards "Drug-like" Indole-based transmembrane anion transporters. <i>Chemical Science</i> , 2012 , 3, 2501	9.4	69
218	Molecular Recognition at an Organic/Aqueous Interface: Heterocalixarenes as Anion Binding Agents in Liquid Polymeric Membrane Ion-Selective Electrodes. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8771-8775	16.4	69
217	Solvent-induced supramolecular isomerism in [Pt(S=C(NH ₂) ₂) ₄] ²⁺ croconate salts. <i>Chemical Communications</i> , 2005 , 5864-6	5.8	67
216	Fluorescent carbazolylurea anion receptors. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 1781-3	3.9	66
215	Lower-rim ferrocenyl substituted calixarenes: New electrochemical sensors for anions. <i>Polyhedron</i> , 1998 , 17, 405-412	2.7	66
214	Hydrogen-bonding pyrrolic amide cleft anion receptors. <i>Tetrahedron Letters</i> , 2001 , 42, 5095-5097	2	65
213	Conformational control of HCl co-transporter: imidazole functionalised isophthalamide vs. 2,6-dicarboxamidopyridine. <i>Chemical Communications</i> , 2007 , 1736-8	5.8	64
212	Acylthioureas as anion transporters: the effect of intramolecular hydrogen bonding. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 62-72	3.9	63
211	Hydrogen bond-mediated recognition of the chemical warfare agent soman (GD). <i>Chemical Communications</i> , 2012 , 48, 5605-7	5.8	62
210	Modified Calix[4]pyrroles. <i>Industrial & Engineering Chemistry Research</i> , 2000 , 39, 3471-3478	3.9	61
209	Lipophilic balance – a new design principle for transmembrane anion carriers. <i>Chemical Science</i> , 2014 , 5, 1128	9.4	60
208	pH-Regulated Nonelectrogenic Anion Transport by Phenylthiosemicarbazones. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8301-8	16.4	58

207	Advances in anion transport and supramolecular medicinal chemistry. <i>Chemical Society Reviews</i> , 2020 ,	58.5	58
206	Calix[4]pyrrole: An Old yet New Ion-Pair Receptor. <i>Angewandte Chemie</i> , 2005 , 117, 2593-2598	3.6	57
205	Cytosine substituted calix[4]pyrroles: neutral receptors for 5'-guanosine monophosphate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4848-53	11.5	55
204	Transmembrane Fluoride Transport: Direct Measurement and Selectivity Studies. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16515-16522	16.4	55
203	A neutral upper to lower rim linked bis-calix[4]arene receptor that recognises anionic guest species. <i>Tetrahedron Letters</i> , 1995 , 36, 767-770	2	54
202	Highly effective yet simple transmembrane anion transporters based upon ortho-phenylenediamine bis-ureas. <i>Chemical Communications</i> , 2014 , 50, 12050-3	5.8	52
201	Dynamic covalent transport of amino acids across lipid bilayers. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1476-84	16.4	51
200	Tunable transmembrane chloride transport by bis-indolylureas. <i>Chemical Science</i> , 2012 , 3, 1436	9.4	51
199	First synthesis of an expanded calixpyrrole. <i>Tetrahedron Letters</i> , 1997 , 38, 8443-8444	2	51
198	ortho-Phenylenediamine bis-urea-carboxylate: a new reliable supramolecular synthon. <i>CrystEngComm</i> , 2005 , 7, 586	3.3	50
197	Synthesis and anion binding properties of N,N'-bispyrrol-2-yl-2,5-diamidopyrrole. <i>Organic Letters</i> , 2006 , 8, 1593-6	6.2	48
196	Diester-calix[4]arene-diquinone complexation and electrochemical recognition of group 1 and 2, ammonium and alkyl ammonium guest cations. <i>Tetrahedron</i> , 1994 , 50, 931-940	2.4	48
195	Carbamate complexation by urea-based receptors: studies in solution and the solid state. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 100-6	3.9	46
194	Metal-organic anion receptors: trans-functionalised platinum complexes. <i>Chemical Communications</i> , 2008 , 5695-7	5.8	46
193	Detection of nerve agent via perturbation of supramolecular gel formation. <i>Chemical Communications</i> , 2013 , 49, 9119-21	5.8	45
192	Complexation of Alkali Chloride Contact Ion-Pairs Using A 2,5-Diamidopyrrole Crown Macrobicyclic. <i>Journal of Supramolecular Chemistry</i> , 2001 , 1, 289-292		45
191	Lithiation of meso-octamethylcalix[4]pyrrole: a general route to C-Rim monosubstituted calix[4]pyrroles. <i>Journal of Organic Chemistry</i> , 2000 , 65, 7641-5	4.2	45
190	Determinants of Ion-Transporter Cancer Cell Death. <i>CheM</i> , 2019 , 5, 2079-2098	16.2	44

189	pH switchable anion transport by an oxothiosquaramide. <i>Chemical Communications</i> , 2015 , 51, 10107-10	5.8	44
188	Detection and remediation of organophosphorus compounds by oximate containing organogels. <i>Chemical Science</i> , 2015 , 6, 5680-5684	9.4	42
187	Perenosins: a new class of anion transporter with anti-cancer activity. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 2645-50	3.9	42
186	Metal-induced pre-organisation for anion recognition in a neutral platinum-containing receptor. <i>Chemical Communications</i> , 2009 , 6279-81	5.8	42
185	'Twisted' isophthalamide analogues. <i>Chemical Communications</i> , 2005 , 734-6	5.8	42
184	Structures of potassium encapsulated within the 1,3-alternate conformation of calix[4]arenes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994 , 3479		42
183	Thiourea isosteres as anion receptors and transmembrane transporters. <i>Chemical Communications</i> , 2011 , 47, 7641-3	5.8	41
182	Synthesis of a new cylindrical calix[4]arene-calix[4]pyrrole pseudo dimer. <i>Tetrahedron Letters</i> , 1996 , 37, 7881-7884	2	41
181	Anion recognition and transport properties of sulfamide-, phosphoric triamide- and thiophosphoric triamide-based receptors. <i>Chemical Communications</i> , 2013 , 49, 874-6	5.8	40
180	Confirmation of a left-model binding in a 2,5-diamidopyrrole anion receptor in the solid state. <i>Tetrahedron Letters</i> , 2002 , 43, 6995-6996	2	39
179	Anion-induced conformational changes in 2,7-disubstituted indole-based receptors. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3505-11	3.9	38
178	Oligopyrrole-based solid state self-assemblies. <i>Polyhedron</i> , 2003 , 22, 2963-2983	2.7	38
177	Supramolecular chemistry: from complexes to complexity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2000 , 358, 431-453	3	38
176	Anion carriers as potential treatments for cystic fibrosis: transport in cystic fibrosis cells, and additivity to channel-targeting drugs. <i>Chemical Science</i> , 2019 , 10, 9663-9672	9.4	38
175	Ionic liquid-calix[4]pyrrole complexes: pyridinium inclusion in the calixpyrrole cup. <i>CrystEngComm</i> , 2006 , 8, 300-302	3.3	37
174	Ferrocene-substituted calix[4]pyrrole modified carbon paste electrodes for anion detection in water. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 591, 223-228	4.1	37
173	Anion binding properties of 5,5'-dicarboxamido-dipyrrolylmethanes. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 2935-41	3.9	37
172	Fluorescent transmembrane anion transporters: shedding light on anionophoric activity in cells. <i>Chemical Science</i> , 2016 , 7, 5069-5077	9.4	37

- 171 Advances in fluorescent and colorimetric sensors for anionic species. *Coordination Chemistry Reviews*, **2021**, 427, 213573 23.2 37
- 170 Anion transport by ortho-phenylene bis-ureas across cell and vesicle membranes. *Organic and Biomolecular Chemistry*, **2018**, 16, 1083-1087 3.9 36
- 169 QSAR analysis of substituent effects on tambjamine anion transporters. *Chemical Science*, **2016**, 7, 1600-1608 3.4 36
- 168 Small-Molecule Uncoupling Protein Mimics: Synthetic Anion Receptors as Fatty Acid-Activated Proton Transporters. *Journal of the American Chemical Society*, **2016**, 138, 16508-16514 16.4 36
- 167 Prospects and Challenges in Anion Recognition and Transport. *CheM*, **2020**, 6, 1296-1309 16.2 35
- 166 Indole-based perenonins as highly potent HCl transporters and potential anti-cancer agents. *Scientific Reports*, **2017**, 7, 9397 4.9 33
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- 164 Advances in applied supramolecular technologies. *Chemical Society Reviews*, **2021**, 50, 2737-2763 58.5 33
- 163 Tetraurea Macrocycles: Aggregation-Driven Binding of Chloride in Aqueous Solutions. *CheM*, **2019**, 5, 1210-1222 16.2 32
- 162 Neutral 1,3-diindolylureas for nerve agent remediation. *Chemistry - A European Journal*, **2013**, 19, 1586-90.8 4.8 32
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- 160 2,5-Diamidofuran anion receptors. *Tetrahedron Letters*, **2003**, 44, 1367-1369 2 32
- 159 Synthesis and electrochemical polymerization of calix[4]arenes containing N-substituted pyrrole moieties. *Journal of Electroanalytical Chemistry*, **1995**, 393, 113-117 4.1 32
- 158 Anion complexation properties of 2,2'-bisamidopyrrolylmethanes. *Chemical Communications*, **2003**, 1686-1687 5.8 31
- 157 Towards the discrimination of carboxylates by hydrogen-bond donor anion receptors. *Chemistry - A European Journal*, **2015**, 21, 5145-60 4.8 30
- 156 Fluorescent squaramides as anion receptors and transmembrane anion transporters. *Chemical Communications*, **2018**, 54, 1363-1366 5.8 30
- 155 Dissecting the chloride-nitrate anion transport assay. *Chemical Communications*, **2017**, 53, 9230-9233 5.8 30
- 154 Anion transport across varying lipid membranes--the effect of lipophilicity. *Chemical Communications*, **2015**, 51, 4883-6 5.8 30

153	Anion recognition by N-confused calix[4]pyrrole-carbaldehyde and its Knoevenagel reaction derivatives. <i>New Journal of Chemistry</i> , 2007 , 31, 691-696	3.6	30
152	An Introduction to Anion Receptors Based on Organic Frameworks 2007 , 1-44		29
151	Electrochemical Recognition of Charged and Neutral Guest Species by Redox-active Receptor Molecules. <i>Advances in Physical Organic Chemistry</i> , 1999 , 1-90	0.3	29
150	Cation recognition by new diester- and diamide-calix[4]arene-diquinones and a diamide-benzo-15-crown-5-calix[4]arene. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1994 , 19, 343-359		29
149	Niedermolekulare transmembranäre Anionentransporter für biologische Anwendungen. <i>Angewandte Chemie</i> , 2013 , 125, 1414-1422	3.6	28
148	Stabilisation of alkylcarbamate anions using neutral hydrogen bond donors. <i>Tetrahedron Letters</i> , 2009 , 50, 4922-4924	2	28
147	Chloride anion transporters inhibit growth of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) in vitro. <i>Chemical Communications</i> , 2016 , 52, 7560-3	5.8	28
146	Voltage-Switchable HCl Transport Enabled by Lipid Headgroup-Transporter Interactions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15142-15147	16.4	27
145	Squaramides as Potent Transmembrane Anion Transporters. <i>Angewandte Chemie</i> , 2012 , 124, 4502-4506	3.6	27
144	Amide- and Urea-Based Anion Receptors 2004 , 31-41		27
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