

Macrocycles as Ion Pair Receptors

Chemical Reviews

119, 9753-9835

DOI: [10.1021/acs.chemrev.8b00734](https://doi.org/10.1021/acs.chemrev.8b00734)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Controlling interfacial interactions of supramolecular assemblies by light-responsive overcrowded alkenes. <i>Chemical Communications</i> , 2019, 55, 10292-10295.	2.2	7
3	Ion-pair induced supramolecular assembly formation for selective extraction and sensing of potassium sulfate. <i>Chemical Science</i> , 2019, 10, 9542-9547.	3.7	45
4	Chiral Recognition of Carboxylate Anions by (R)-BINOL-Based Macrocyclic Receptors. <i>Molecules</i> , 2019, 24, 2635.	1.7	7
5	[2]Pseudorotaxane-Based Supramolecular Optical Indicator for the Visual Detection of Cellular Cyanide Excretion. <i>Chemistry - A European Journal</i> , 2019, 25, 14447-14453.	1.7	19
6	The Effect of Substitution Pattern on Binding Ability in Regioisomeric Ion Pair Receptors Based on an Aminobenzoic Platform. <i>Molecules</i> , 2019, 24, 2990.	1.7	5
7	New dimensions in calix[4]pyrrole: the land of opportunity in supramolecular chemistry. <i>RSC Advances</i> , 2019, 9, 38309-38344.	1.7	49
8	Squaramide based ion pair receptors possessing ferrocene as a signaling unit. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 972-983.	3.0	22
9	Versatile symport transporters based on cyclic peptide dimers. <i>Chemical Communications</i> , 2020, 56, 46-49.	2.2	11
10	Complexation of 5-aminovaleric acid zwitterions in aqueous/methanol solution by heterotopic tri-cationic receptors. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 694-699.	1.5	5
11	Exploiting the mechanical bond for molecular recognition and sensing of charged species. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1052-1073.	3.2	58
12	Allosteric Recognition of Homomeric and Heteromeric Pairs of Monosaccharides by a Foldamer Capsule. <i>Angewandte Chemie</i> , 2020, 132, 5846-5854.	1.6	15
13	Allosteric Recognition of Homomeric and Heteromeric Pairs of Monosaccharides by a Foldamer Capsule. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5797-5805.	7.2	43
14	Simultaneous measurement of hydrogen carbonate and acetate anions using biologically active receptor based on azo derivatives of naphthalene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117925.	2.0	5
15	Bis-Calix[4]pyrroles: Preparation, structure, complexation properties and beyond. <i>Coordination Chemistry Reviews</i> , 2020, 425, 213528.	9.5	45
16	Ligand influence on the formation of exo-coordinated silver(I) complexes with N2O2 Schiff base macrocycles and the role of anion in supramolecular aggregation. <i>Polyhedron</i> , 2020, 190, 114774.	1.0	7
17	Over one century after discovery: pyrylium salt chemistry emerging as a powerful approach for the construction of complex macrocycles and metallo-supramolecules. <i>Chemical Science</i> , 2020, 11, 12249-12268.	3.7	34
18	Specific Binding of Primary Ammonium Ions and Lysine-Containing Peptides in Protic Solvents by Hexahomotrioxacalix[3]arenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 10062-10071.	1.7	11
19	Enhancement of Ion Pairing of Sr(II) and Ba(II) Salts by a Tritopic Ion-Pair Receptor in Solution. <i>ChemPhysChem</i> , 2020, 21, 1957-1965.	1.0	2

#	ARTICLE	IF	CITATIONS
20	Highly Polar Insertion Complexes with Focused IR Spectra and Internal Field-Induced Inhibited Isomerization. <i>ChemPlusChem</i> , 2020, 85, 2438-2445.	1.3	1
21	Ion Pair Recognition Based Supramolecular Polymer Showing Rapid and Reversible Sol-Gel Transition through van der Waals Interactions. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5371-5376.	2.0	13
22	Lewis Ambiphilicity of 1,2,5-Chalcogenadiazoles for Crystal Engineering: Complexes with Crown Ethers. <i>Crystal Growth and Design</i> , 2020, 20, 5868-5879.	1.4	10
23	Metallosupramolecules of pillar[5]-bis-trithiacrown including a mercury(II) iodide ion-triplet complex. <i>Chemical Communications</i> , 2020, 56, 10135-10138.	2.2	8
24	Selective Phase Transfer Reagents (Oxycrowns) for Chromogenic Detection of Nitrates Especially Ammonium Nitrate. <i>Chemistry - A European Journal</i> , 2020, 26, 13177-13183.	1.7	6
25	Removal of Organic Micropollutants from Water by Macrocyclic-Containing Covalent Polymer Networks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23402-23412.	7.2	78
26	Synergistic Self-Assembly of Oxoanions and Block Metal Ions with Heteroditopic Receptors into Triple-Stranded Helicates. <i>Chemistry - A European Journal</i> , 2020, 26, 14290-14294.	1.7	3
27	Molecular Mechanism for the Interactions of Hofmeister Cations with Macromolecules in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2020, 142, 19094-19100.	6.6	53
28	Cooperative Transport and Selective Extraction of Sulfates by a Squaramide-Based Ion Pair Receptor: A Case of Adaptable Selectivity. <i>Inorganic Chemistry</i> , 2020, 59, 13749-13759.	1.9	21
29	From Heteroditopic to Multitopic Receptors for Ion Pair Recognition: Advances in Receptor Design and Applications. <i>ChemPlusChem</i> , 2020, 85, 1824-1841.	1.3	45
30	Theoretical design of new macrocycles for nucleophilic fluorination with KF: thiourea-crown-ether is predicted to overcome [2.2.2]-cryptand. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1513-1523.	1.7	16
31	Removal of Organic Micropollutants from Water by Macrocyclic-Containing Covalent Polymer Networks. <i>Angewandte Chemie</i> , 2020, 132, 23608-23618.	1.6	11
32	Higher Analogues of Resorcinarenes and Pyrogallolarenes: Bricks for Supramolecular Chemistry. <i>Organic Letters</i> , 2020, 22, 6838-6841.	2.4	10
33	Highly Efficient, Tripodal Ion-Pair Receptors for Switching Selectivity between Acetates and Sulfates Using Solid-Liquid and Liquid-Liquid Extractions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9465.	1.8	8
34	Acid/Base-Tunable Unimolecular Chirality Switching of a Pillar[5]azacrown Pseudo[1]Catenane. <i>Journal of the American Chemical Society</i> , 2020, 142, 19772-19778.	6.6	78
35	Macrocyclization of 3-triflyloxybenzynes with tetrahydrofuran via an anionic thia-Fries rearrangement. <i>Chemical Communications</i> , 2020, 56, 6495-6498.	2.2	6
36	A novel AIE chemosensor based on a coumarin functionalized pillar[5]arene for multi-analyte detection and application in logic gates. <i>New Journal of Chemistry</i> , 2020, 44, 10885-10891.	1.4	8
37	Functional Single-Walled Carbon Nanotubes for Anion Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28375-28382.	4.0	14

#	ARTICLE	IF	CITATIONS
38	Isatin as a simple, highly selective and sensitive colorimetric sensor for fluoride anion. <i>Heterocyclic Communications</i> , 2020, 26, 14-19.	0.6	15
39	An N-linked disalicylaldehyde together with its caesium ion and dichloromethane sensing performances: a dual key & lock™ LMCT-enhanced fluorescence strategy. <i>Analyst</i> , The, 2020, 145, 5826-5835.	1.7	3
40	Practical Applications of Supramolecular Extraction with Macrocycles. <i>Chemistry Letters</i> , 2020, 49, 1125-1135.	0.7	14
41	The second-order NLO property of a photoswitchable heteroditopic ion-pair receptor based on 2-pyridyl acylhydrazone linking with 2,6-pyridine bisamide: The impacts of metal cations and anions. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 100, 107652.	1.3	2
42	Competition of Exo-wall H-bond and Lone Pair-H Interactions: A Viable Approach to Achieve Ultrasensitive Detection and Effective Removal of AsO ₂ ⁻ in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5831-5836.	3.2	21
43	Counterion-Trapped Molecules: From High Polarity and Enriched IR Spectra to Induced Isomerization. <i>ChemPhysChem</i> , 2020, 21, 348-355.	1.0	4
44	Naphthalimide based fluorescent sensor for Zn ²⁺ with high selectivity and sensitivity and its imaging in living cells. <i>Inorganic Chemistry Communication</i> , 2020, 113, 107798.	1.8	9
45	Strapped calix[4]pyrroles: from syntheses to applications. <i>Chemical Society Reviews</i> , 2020, 49, 865-907.	18.7	114
46	Tailoring pillararene-based receptors for specific metal ion binding: From recognition to supramolecular assembly. <i>Coordination Chemistry Reviews</i> , 2020, 415, 213313.	9.5	55
47	Chalcogen Bond Mediated Enhancement of Cooperative Ion-Pair Recognition. <i>Angewandte Chemie</i> , 2020, 132, 12105-12110.	1.6	19
48	Chalcogen Bond Mediated Enhancement of Cooperative Ion-Pair Recognition. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12007-12012.	7.2	47
49	Synthesis of 1,8-anthraquinone functionalized aza 18/20-crown-5 macrocycles and their chromogenic ion-pair recognition of hydroxides in DMSO. <i>Inorganica Chimica Acta</i> , 2020, 507, 119585.	1.2	5
50	How do fluoride ions bind to tetrathiacalix[2]arene[2]triazines?. <i>Tetrahedron Letters</i> , 2020, 61, 151911.	0.7	3
51	Photoresponsive molecular tweezer: Control-release of anions and fluorescence switch. <i>Dyes and Pigments</i> , 2021, 184, 108838.	2.0	9
52	The dynamic covalent reaction based on diselenide-containing crown ether irradiated by visible light. <i>Chinese Chemical Letters</i> , 2021, 32, 2005-2008.	4.8	4
53	Prospective applications of nanometer-scale pore size biomimetic and bioinspired membranes. <i>Journal of Membrane Science</i> , 2021, 620, 118968.	4.1	40
54	Supramolecular complexes with insertion-enhanced polarity and tuned IR spectra. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26534.	1.0	1
55	Trinuclear molybdenum clusters with sulfide bridges as potential anionic receptors via chalcogen bonding. <i>CrystEngComm</i> , 2021, 23, 4607-4614.	1.3	6

#	ARTICLE	IF	CITATIONS
56	Catalytic enantioselective synthesis of macrodiolides and their application in chiral recognition. <i>Chemical Science</i> , 2021, 12, 2940-2947.	3.7	12
57	Structural chemistry of host-guest molecular architectures based on mercury-containing macrocycles. <i>Russian Chemical Reviews</i> , 2021, 90, 1493-1519.	2.5	4
58	Development of effective potassium acetate extractant. <i>RSC Advances</i> , 2021, 11, 10860-10865.	1.7	2
59	Development of metallosupramolecular phosphatases based on the combinatorial self-assembly of metal complexes and organic building blocks for the catalytic hydrolysis of phosphate monoesters. <i>Results in Chemistry</i> , 2021, 3, 100133.	0.9	3
60	Reversible fluorescence modulation through the photoisomerization of an azobenzene-bridged perylene bisimide cyclophane. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1424-1430.	2.3	10
61	Macrocyclic squaramides as ion pair receptors and fluorescent sensors selective towards sulfates. <i>Dalton Transactions</i> , 2021, 50, 3904-3915.	1.6	15
62	Conjugated macrocycle polymers. <i>Polymer Chemistry</i> , 2021, 12, 4613-4620.	1.9	17
63	Metal Complexes as Sensors. , 2021, , 181-203.		2
64	Embedding CsPbBr ₃ quantum dots into a pillar[5]arene-based supramolecular self-assembly for an efficient photocatalytic cross-coupling hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10180-10185.	5.2	26
65	Lithium halide ion-pair recognition with halogen bonding and chalcogen bonding heteroditopic macrocycles. <i>Chemical Communications</i> , 2021, 57, 4950-4953.	2.2	43
66	Synergistic lanthanide extraction triggered by self-assembly of heterodinuclear Zn(II)/Ln(III) Schiff base/carboxylic acid complexes. <i>Solvent Extraction and Ion Exchange</i> , 2021, 39, 545-572.	0.8	0
67	Crown Ether Functionalized Potassium-Responsive Anionocages for Cascaded Guest Delivery. <i>Angewandte Chemie</i> , 2021, 133, 9659-9665.	1.6	9
68	Revealing the Dynamic Process of Ion Pair Recognition by Calix[4]pyrrole: A Case Study of Cesium Chloride. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3253-3259.	2.1	6
69	Crown Ether Functionalized Potassium-Responsive Anionocages for Cascaded Guest Delivery. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9573-9579.	7.2	24
70	Structures and Chromogenic Ion-Pair Recognition of a Catechol-Functionalized 1,8-Anthraquinone Macrocycle in Dimethyl Sulfoxide. <i>Inorganic Chemistry</i> , 2021, 60, 5042-5053.	1.9	8
71	Fluorescent Molecular Cages with Sucrose and Cyclotrimeratrylene Units for the Selective Recognition of Choline and Acetylcholine. <i>Journal of Organic Chemistry</i> , 2021, 86, 5129-5141.	1.7	14
72	Thallium(I) Salts: New Partners for Calix[4]pyrroles. <i>Organic Letters</i> , 2021, 23, 2638-2642.	2.4	7
73	Solution and Solid State Studies of Urea Derivatives of DITIPIRAM Acting as Powerful Anion Receptors. <i>Molecules</i> , 2021, 26, 1788.	1.7	1

#	ARTICLE	IF	CITATIONS
74	Solvent-Controlled Self-Assembled Oligopyrrolic Receptor. <i>Molecules</i> , 2021, 26, 1771.	1.7	2
75	Chalcogen Bonding Ion-Pair Cryptand Host Discrimination of Potassium Halide Salts. <i>Chemistry - A European Journal</i> , 2021, 27, 7837-7841.	1.7	23
76	“Texas-Sized” Molecular Boxes: From Chemistry to Applications. <i>Molecules</i> , 2021, 26, 2426.	1.7	14
77	Tripodal, Squaramide-Based Ion Pair Receptor for Effective Extraction of Sulfate Salt. <i>Molecules</i> , 2021, 26, 2751.	1.7	8
78	Combating antibiotic resistance: current strategies for the discovery of novel antibacterial materials based on macrocycle supramolecular chemistry. <i>Giant</i> , 2021, , 100066.	2.5	58
79	Selective Separation of Hexachloroplatinate(IV) Dianions Based on Exo-Binding with Cucurbit[6]uril. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17587-17594.	7.2	30
80	Macrocyclic Aromatic Amide Foldamer: Synthesis, Twisted-Boxlike Conformational Switching, and Molecular Recognition. <i>ChemPlusChem</i> , 2021, 86, 920-923.	1.3	1
81	Development of calix[4]arenes modified at their narrow- and wide-rims as potential metal ions sensor layers for microcantilever sensors: further studies. <i>Canadian Journal of Chemistry</i> , 2022, 100, 144-149.	0.6	2
82	Merging Molecular Recognition and Gold(I) Catalysis with Triphoscalix[6]arene Ligands. <i>Chemistry - A European Journal</i> , 2021, 27, 10261-10266.	1.7	7
83	Selective Separation of Hexachloroplatinate(IV) Dianions Based on Exo-Binding with Cucurbit[6]uril. <i>Angewandte Chemie</i> , 2021, 133, 17728-17735.	1.6	5
84	Axially- and <i>Meso</i> -Substituted Aza-Crown-Ether-Incorporated B ^{III} Subporphyrins: Control of Electron-Donating Ability by Metal Ion Chelation. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3272-3276.	1.0	4
85	Synthesis of pyrrolyl-BODIPY dyes through regioselective SN _{Ar} reactions and application as a fluorescent sensor for fluoride anion. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 1119-1125.	0.4	5
86	One-pot Synthesis of a Truncated Cone-shaped Porphyrin Macrocycle and Its Self-assembly into Permanent Porous Material. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3209-3212.	1.7	1
87	Halogen Bonding Heteroditopic Materials for Cooperative Sodium Iodide Binding and Extraction. <i>Chemistry - A European Journal</i> , 2021, 27, 14600-14604.	1.7	17
88	Supramolecular hydrogelation via host-guest anion recognition: Lamellar hydrogel materials for the release of cationic cargo. <i>CheM</i> , 2021, 7, 2473-2490.	5.8	7
89	A novel ion-pair strategy for efficient separation of lithium isotopes using crown ethers. <i>Separation and Purification Technology</i> , 2021, 274, 118989.	3.9	23
90	Cation-chloride cotransport mediated by an ion pair transporter. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8586-8590.	1.5	5
91	Eight-membered and larger rings. <i>Progress in Heterocyclic Chemistry</i> , 2021, 32, 615-635.	0.5	1

#	ARTICLE	IF	CITATIONS
92	Sodium cation-templated synthesis of an ion-pair binding heteroditopic [2]catenane. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2468-2472.	2.3	14
93	Trimacrocyclic hexasubstituted benzene linked by labile octahedral [X(CHCl ₃) ₆] ⁺ clusters. <i>Chemical Science</i> , 2021, 12, 11647-11651.	3.7	4
94	Heteroditopic receptor flexibility – an important design principle for effective ion pair extractants based on carboxylate studies. <i>New Journal of Chemistry</i> , 2021, 45, 18635-18640.	1.4	0
95	B(C ₆ F ₅) ₃ -catalyzed three-component tandem reaction to construct novel polycyclic quinone derivatives: synthesis of a carbonate salt chromogenic chemosensor. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6670-6677.	2.3	7
96	Calix[4]pyrroles as ligands: recent progress with a focus on the emerging p-block element chemistry. <i>Chemical Communications</i> , 2021, 57, 11751-11763.	2.2	16
97	Rim-differentiated Co-pillar[4+1]arenes. <i>Chemical Communications</i> , 2021, 57, 11193-11196.	2.2	8
98	Utilizing an Amino Acid Scaffold to Construct Heteroditopic Receptors Capable of Interacting with Salts under Interfacial Conditions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10754.	1.8	1
99	4-Phosphoryl Pyrazolones for Highly Selective Lithium Separation from Alkali Metal Ions. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
100	Monofunctionalized Bambus[6]urils and Their Conjugates with Crown Ethers for Liquid-Liquid Extraction of Inorganic Salts. <i>Organic Letters</i> , 2020, 22, 1633-1637.	2.4	10
101	Supramolecular Gold Stripping from Activated Carbon Using β -Cyclodextrin. <i>Journal of the American Chemical Society</i> , 2021, 143, 1984-1992.	6.6	22
102	Molecular Recognition of Zwitterions with Artificial Receptors. <i>Chemistry - an Asian Journal</i> , 2020, 15, 986-994.	1.7	6
103	Sensing and Liquid-Liquid Extraction of Dicarboxylates Using Dicopper Cryptates. <i>ACS Omega</i> , 2020, 5, 26573-26582.	1.6	0
105	Conformationally tunable calix[4]pyrrole-based nanofilms for efficient molecular separation. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 368-375.	5.0	4
106	Sensing and Liquid-Liquid Extraction of Dicarboxylates Using Dicopper Cryptates. <i>ACS Omega</i> , 2020, 5, 26573-26582.	1.6	7
107	Exploring the Structure and Complexation Dynamics of Azide Anion Recognition by Calix[4]pyrroles in Solution. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 669-675.	2.1	7
108	Tribenzyl(methyl)ammonium: A Versatile Counterion for the Crystallization of Nanojars with Incarcerated Selenite and Phosphite Ions and Tethered Pyrazole Ligands. <i>Crystal Growth and Design</i> , 2022, 22, 1398-1411.	1.4	6
109	Synthesis of a large-cavity carbazole macrocycle for size-dependent recognition. <i>Chemical Communications</i> , 2022, 58, 2319-2322.	2.2	9
110	Surfactant Effect on the Physicochemical Characteristics of Solid Lipid Nanoparticles Based on Pillar[5]arenes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 779.	1.8	4

#	ARTICLE	IF	CITATIONS
111	Superphanes: Facile and efficient preparation, functionalization and unique properties. , 2022, 1, 100006.		11
112	Analyte Interactions with Oxoporphyrinogen Derivatives: Computational Aspects. Current Organic Chemistry, 2022, 26, 580-595.	0.9	1
113	Recent Advances in the Synthesis and Applications of Nitrogen-Containing Macrocycles. Molecules, 2022, 27, 1004.	1.7	13
114	Design and NMR characterization of reversible head-to-tail boronate-linked macrocyclic nucleic acids. Organic and Biomolecular Chemistry, 2022, 20, 2889-2895.	1.5	2
115	The literature of heterocyclic chemistry, Part XIX, 2019. Advances in Heterocyclic Chemistry, 2022, , 225-295.	0.9	6
116	Lanthanide-Organic Pincer Hosts with Allosteric-Controlled Metal Ion Binding Specificity. Chemical Communications, 2022, , .	2.2	1
117	Optically probing molecular shuttling motion of [2]rotaxane by a conformation-adaptive fluorophore. Chinese Chemical Letters, 2022, 33, 4904-4907.	4.8	7
118	Solving world problems with pyrrole: 65th birthday tribute to Prof. Jonathan L. Sessler. CheM, 2022, 8, 587-598.	5.8	0
119	A Simulation Model for the Non-Electrogenic Uniport Carrier-Assisted Transport of Ions across Lipid Membranes. Membranes, 2022, 12, 292.	1.4	2
120	Dynamic Covalent Self-Assembly of Chloride- and Ion-Pair-Templated Cryptates. Angewandte Chemie - International Edition, 2022, 61, .	7.2	14
121	Dynamic Covalent Self-Assembly of Chloride- and Ion-Pair-Templated Cryptates. Angewandte Chemie, 0, , .	1.6	0
122	Recent advances in selective recognition of fluoride with macrocyclic receptors. Coordination Chemistry Reviews, 2022, 461, 214480.	9.5	26
124	Conformationally rigid, π -extended annulated porphyrinoids derived from the naphthobipyrrole motif. Organic and Biomolecular Chemistry, 2022, 20, 4452-4470.	1.5	1
125	Ion Channels and Transporters as Therapeutic Agents: From Biomolecules to Supramolecular Medicinal Chemistry. Biomedicines, 2022, 10, 885.	1.4	13
126	Modular Introduction of <i>endo</i> -Binding Sites in a Macrocyclic Cavity towards Selective Recognition of Neutral Azacycles. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
127	Modular Introduction of <i>endo</i> -Binding Sites in a Macrocyclic Cavity towards Selective Recognition of Neutral Azacycles. Angewandte Chemie, 2022, 134, .	1.6	0
128	Synthesis and anion binding properties of carbazole-based macrocycles with bis-sulfonamide and bis-amide groups. Tetrahedron, 2022, 115, 132795.	1.0	7
129	Pseudo-crown ether III: Naphthalimide-Pd(II) based fluorogenic ensemble for solution, vapour and intracellular detection of amine and anti-counterfeiting applications. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 430, 113974.	2.0	7

#	ARTICLE	IF	CITATIONS
130	Supramolecular Incarceration and Extraction of Tetrafluoroberyllate from Water by Nanojars. <i>Inorganic Chemistry</i> , 2022, 61, 8611-8622.	1.9	6
131	Mechanical Bond Enhanced Lithium Halide Ion- π -Pair Binding by Halogen Bonding Heteroditopic Rotaxanes**. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	12
132	Anion Binding by Fluorescent Ureido-Hexahomotrioxacalix[3]arene Receptors: An NMR, Absorption and Emission Spectroscopic Study. <i>Molecules</i> , 2022, 27, 3247.	1.7	6
133	Perrhenate recognition within a superphane cavity. <i>CheM</i> , 2022, 8, 1543-1545.	5.8	2
134	Porphyrim-Based Multicomponent Metallacage: Host-Guest Complexation toward Photooxidation-Triggered Reversible Encapsulation and Release. <i>Jacs Au</i> , 2022, 2, 1479-1487.	3.6	34
135	Light-controlled shape-changing azomacrocycles exhibiting reversible modulation of pyrene fluorescence emission. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5284-5292.	1.5	3
136	Three modes of interactions between anions and phenolic macrocycles: a comparative study. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5095-5103.	1.5	5
137	Tritopic Bis-Urea Receptors for Anion and Ion-Pair Recognition. <i>ACS Omega</i> , 2022, 7, 22244-22255.	1.6	7
138	A TD-DFT study on photoswitchable chloride salts receptor based on acylhydrazone and crown ether embedded Macrocyclic molecule. <i>Computational and Theoretical Chemistry</i> , 2022, 1214, 113785.	1.1	0
139	Imine- and Amine-Type Macrocycles Derived from Chiral Diamines and Aromatic Dialdehydes. <i>Molecules</i> , 2022, 27, 4097.	1.7	11
140	Anthraquinone- π - π -Derived (Pseudo- π) Crown and Lariat Ethers: Design and Applications as Fluorescent and Chromogenic Ion (Pair) Sensors. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	4
141	Tris(pyridinylmethyl)amine-Based Ion Pair Receptors for Selective Lithium Salt Recognition. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	1
142	A simple approach based on transmetalation for the selective and sensitive colorimetric/fluorometric detection of copper(II) ions in drinking water. <i>New Journal of Chemistry</i> , 2022, 46, 18018-18024.	1.4	6
143	Switchable silver-ion complexation by triazolated calix[4]semitubes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 8092-8103.	1.5	6
144	Recent developments in calix[4]pyrrole (C4P)-based supramolecular functional systems. <i>Organic Chemistry Frontiers</i> , 2022, 9, 6416-6440.	2.3	16
145	Hydrogen-bonded aromatic amide macrocycles: synthesis, properties and functions. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 9023-9051.	1.5	9
146	The effect of outer-sphere anions on the spectroscopic response of metal-binding chemosensors. <i>Dalton Transactions</i> , 2022, 51, 14079-14087.	1.6	1
147	Systematic Synthesis of Macrocycles Bearing up to Six 2,2'-Bipyridine Moieties through Self-Assembled Double Helix Structure. <i>Journal of Organic Chemistry</i> , 2022, 87, 13331-13338.	1.7	1

#	ARTICLE	IF	CITATIONS
148	Enhanced Host-Guest Association and Fluorescence in Copolymers from Copper Salphen Complexes by Supramolecular Internalization of Anions. <i>ChemPlusChem</i> , 2023, 88, .	1.3	2
149	Synthesis of a tetratopic bisphosphine ligand derived from pyrimidine and its incorporation into gold and silver coordination polymers. <i>Inorganica Chimica Acta</i> , 2022, , 121209.	1.2	0
150	Calix[4]pyrrole-Based Molecular Capsule: Dihydrogen Phosphate-Promoted 1:2 Fluoride Anion Complexation. <i>Journal of the American Chemical Society</i> , 2022, 144, 16996-17009.	6.6	13
151	Specific Binding of Primary Ammoniums in Aqueous Media by Homooxalixarenes Incorporated into Micelles. <i>Journal of Organic Chemistry</i> , 2022, 87, 12749-12758.	1.7	4
152	Advances in trimacrocyclic hexasubstituted benzenes. <i>Tetrahedron Letters</i> , 2022, 108, 154124.	0.7	1
153	Visual detection of spermine (vapor and aqueous phase) in food and urine samples: Bioimaging of spermine in HeLa cells. <i>Microchemical Journal</i> , 2022, 183, 108004.	2.3	4
154	Rotaxane formation by an allosteric pseudomacrocyclic anion receptor utilising kinetically labile copper(<i>scp</i>) coordination properties. <i>Dalton Transactions</i> , 2022, 51, 17277-17282.	1.6	3
155	Tetraamidoindolyl calix[4]arene as a selective ion pair receptor for LiCl. <i>Organic Chemistry Frontiers</i> , 2022, 9, 6888-6893.	2.3	4
156	Recent advances with calix[6]- and calix[8]arene organometallic catalysts. <i>Tetrahedron Letters</i> , 2022, 112, 154221.	0.7	1
157	The use of microelectrodes to study ion recognition by a squaramide-based ion pair receptor consisting of a ferrocene reporter. <i>Journal of Electroanalytical Chemistry</i> , 2023, 928, 117058.	1.9	2
158	Synthesis and high sensitivity Al ³⁺ recognition of fluorescent probe molecule based on pincer bis-N-heterocyclic carbene. <i>Journal of Molecular Structure</i> , 2023, 1275, 134668.	1.8	2
159	Atom-economic macrocyclic amphiphile based on guanidinium-functionalized selenacrown ether acting as redox-responsive nanozyme. <i>Chinese Chemical Letters</i> , 2023, 34, 108015.	4.8	3
160	Recent Advancements in Ion-Pair Receptors. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	1.7	5
161	Cycling a Tether into Multiple Rings: Pt-Bridged Macrocycles for Differentiated Guest Recognition, Pseudorotaxane Transformations, and Guest Capture and Release. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	3
162	Halogen-Bonding Heteroditopic [2]Catenanes for Recognition of Alkali Metal/Halide Ion Pairs. <i>Angewandte Chemie</i> , 0, , .	1.6	0
163	Halogen-Bonding Heteroditopic [2]Catenanes for Recognition of Alkali Metal/Halide Ion Pairs. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	14
164	Cycling a Tether into Multiple Rings: Pt-Bridged Macrocycles for Differentiated Guest Recognition, Pseudorotaxane Transformations, and Guest Capture and Release. <i>Angewandte Chemie</i> , 0, , .	1.6	0
165	MXenes Functionalized with Macrocyclic Hosts: From Molecular Design to Applications. <i>ChemPlusChem</i> , 2023, 88, .	1.3	7

#	ARTICLE	IF	CITATIONS
166	Chelating chloride using binuclear lanthanide complexes in water. <i>Chemical Science</i> , 2023, 14, 1194-1204.	3.7	6
167	Heteroditopic Rotaxanes and Catenanes for Ion Pair Recognition. <i>Chemistry</i> , 2023, 5, 106-118.	0.9	3
168	Solvent-Dependent Self-Assembly of a Pillar[5]arene-Based Poly-Pseudo-Rotaxane Linked and Threaded by Silver(I) Trifluoroacetate: A Double Role. <i>Inorganic Chemistry</i> , 2023, 62, 2058-2064.	1.9	2
169	Ion recognition properties of 2,2'-biphenyl-4,4'-diylbis(1H-imidazole) regulated by ammonium-modified pillar[5]arenes. <i>Analyst</i> , 2023, 123, 1-10.	1.7	0
170	A porphyrin-based ion pair receptor constructed through click chemistry. <i>Journal of Porphyrins and Phthalocyanines</i> , 2023, 27, 1-10.	0.4	0
171	A poly-pseudorotaxane constructed by threading pillar[5]arene onto an ion-pair recognition-based calix[4]pyrrole supramolecular polymer. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 1862-1867.	1.5	2
172	Cyclotetrazolone Derivatives for Electrochemical Lithium Ion. <i>Angewandte Chemie</i> , 2023, 135, 1-10.	1.6	0
173	Shrinkable/stretchable bis(calix[4]arenes) comprising photoreactive azobenzene or stilbene linkers. <i>Organic Chemistry Frontiers</i> , 2023, 10, 1470-1484.	2.3	3
174	Novel class of crown ether functionalized ionic liquids with multiple binding sites for efficient separation of lithium isotopes. <i>Journal of Molecular Liquids</i> , 2023, 376, 121412.	2.3	4
175	A modular platform for the precise assembly of molecular frameworks composed of ion pairs. <i>Chem</i> , 2023, 9, 1208-1220.	5.8	4
176	A Superphane-based carcerand for arsenic detoxification via imprisoning arsenate. <i>Cell Reports Physical Science</i> , 2023, 4, 101295.	2.8	3
177	Synthesis of 4-Amino-N-[2 (diethylamino)Ethyl]Benzamide Tetraphenylborate Ion-Associate Complex: Characterization, Antibacterial and Computational Study. <i>Molecules</i> , 2023, 28, 2256.	1.7	5
178	A rigid-axle-based molecular rotaxane channel facilitates K ⁺ /Cl ⁻ co-transport across a lipid membrane. <i>Chemical Communications</i> , 2023, 59, 3866-3869.	2.2	5
179	Catenation of Metallacycle and Transformation via Disproportionation. <i>Crystal Growth and Design</i> , 2023, 23, 1-10.	1.4	0
180	Dynamic Approach to Synthetic Lectin for Glucose with Boosted Binding Affinity through Ca ²⁺ Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2023, 29, 1-10.	1.7	3
181	N-Embedded Cubarene: A Quadrangular Member of the Macrocyclic Family. <i>Organic Letters</i> , 2023, 25, 2078-2083.	2.4	5
182	Nanoarchitectonics of supramolecular porphyrins based on a bis(porphyrin) cleft molecule. <i>Journal of Porphyrins and Phthalocyanines</i> , 2023, 27, 966-979.	0.4	1
183	One-Pot Cyclization to Large Peptidomimetic Macrocycles by In Situ-Generated β -Turn-Enforced Folding. <i>Journal of the American Chemical Society</i> , 2023, 145, 9530-9539.	6.6	6

#	ARTICLE	IF	CITATIONS
184	Cyclotetrabenzil Derivatives for Electrochemical Lithium-ion Storage. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	4
185	A robust protein-mimicking metallo-amine cage showing proton-driven allostery with water as the effector. <i>CheM</i> , 2023, 9, 2144-2160.	5.8	11
186	Loading single lanthanide ion into aluminum molecular rings: water-stable sodalite cage for removal of nuclear-industry anions. <i>Science China Chemistry</i> , 2023, 66, 1384-1393.	4.2	4
199	Recognition of naphthoflavones by calix[4]pyrrole[2]phenanthrene. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
206	Potential of nonporous adaptive crystals for hydrocarbon separation. <i>Chemical Society Reviews</i> , 2023, 52, 6075-6119.	18.7	13
208	Applications of macrocycle-based solid-state host-guest chemistry. <i>Nature Reviews Chemistry</i> , 2023, 7, 768-782.	13.8	6
215	Enhanced anion recognition by ammonium [2]catenane functionalisation of a halogen bonding acyclic receptor. <i>Chemical Communications</i> , 2023, 59, 13615-13618.	2.2	1
219	Pillar[5]arene-segregated ion pairs for enhanced cycloaddition of epoxides with CO ₂ . <i>Chemical Communications</i> , 0, , .	2.2	0