## Pablo Ballester

List of Publications by Year in descending order

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PARIO RALIESTED

#	Article	IF	CITATIONS
1	Supramolecular catalysis. Part 2: artificial enzyme mimics. Chemical Society Reviews, 2014, 43, 1734-1787.	38.1	775
2	Anion–π Interactions: Do They Exist?. Angewandte Chemie - International Edition, 2002, 41, 3389-3392.	13.8	690
3	Supramolecular catalysis. Part 1: non-covalent interactions as a tool for building and modifying homogeneous catalysts. Chemical Society Reviews, 2014, 43, 1660-1733.	38.1	605
4	Self-replicating system. Journal of the American Chemical Society, 1990, 112, 1249-1250.	13.7	363
5	Stabilization of reactive species by supramolecular encapsulation. Chemical Society Reviews, 2016, 45, 1720-1737.	38.1	284
6	Fluorescent Supramolecular Polymers:Â Metal Directed Self-Assembly of Perylene Bisimide Building Blocks. Macromolecules, 2005, 38, 1315-1325.	4.8	253
7	Anion binding in covalent and self-assembled molecular capsules. Chemical Society Reviews, 2010, 39, 3810.	38.1	215
8	Experimental Quantification of Anionâ~'Ï€ Interactions in Solution Using Neutral Host–Guest Model Systems. Accounts of Chemical Research, 2013, 46, 874-884.	15.6	210
9	Quantitative Evaluation of Anion–π Interactions in Solution. Angewandte Chemie - International Edition, 2008, 47, 4114-4118.	13.8	200
10	A Topological Analysis of the Electron Density in Anion-Ï€ Interactions. ChemPhysChem, 2003, 4, 1344-1348.	2.1	190
11	Structure and Binding Energy of Anionâ~'Ĩ€ and Cationâ~'Ĩ€ Complexes:Â A Comparison of MP2, RI-MP2, DFT, and DF-DFT Methods. Journal of Physical Chemistry A, 2005, 109, 4632-4637.	2.5	186
12	Counterintuitive interaction of anions with benzene derivatives. Chemical Physics Letters, 2002, 359, 486-492.	2.6	178
13	Anion–π Interactions: Do They Exist?. Angewandte Chemie, 2002, 114, 3539-3542.	2.0	176
14	Molecular recognition with convergent functional groups. VI. Synthetic and structural studies with a model receptor for nucleic acid components. Journal of the American Chemical Society, 1989, 111, 1082-1090.	13.7	171
15	Cationâ^'Ï€ versus Anionâ~'Ï€ Interactions:Â Energetic, Charge Transfer, and Aromatic Aspects. Journal of Physical Chemistry A, 2004, 108, 9423-9427.	2.5	171
16	Kinetic studies and modeling of a self-replicating system. Journal of the American Chemical Society, 1991, 113, 8831-8839.	13.7	159
17	Molecular Recognition in Water Using Macrocyclic Synthetic Receptors. Chemical Reviews, 2021, 121, 2445-2514.	47.7	158
18	Hydrogen bonded supramolecular capsules with functionalized interiors: the controlled orientation of included guests. Chemical Society Reviews, 2013, 42, 3261.	38.1	156

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19	MP2 study of cooperative effects between cation–ï€, anionâ€"ï€ and ï€â€"ï€ interactions. New Journal of Chemistry, 2007, 31, 556-560.	2.8	151
20	Quantification of Nitrateâ~ï€ Interactions and Selective Transport of Nitrate Using Calix[4]pyrroles with Two Aromatic Walls. Journal of the American Chemical Society, 2013, 135, 8324-8330.	13.7	147
21	Interplay Between Cation-ï€, Anion-ï€ and ï€-ï€ Interactions. ChemPhysChem, 2006, 7, 2487-2491.	2.1	145
22	Molecular containers. Chemical Society Reviews, 2015, 44, 392-393.	38.1	132
23	Molecular recognition: hydrogen bonding and stacking interactions stabilize a model for nucleic acid structure. Journal of the American Chemical Society, 1987, 109, 5033-5035.	13.7	128
24	Anion–π interactions: must the aromatic ring be electron deficient?. New Journal of Chemistry, 2003, 27, 211-214.	2.8	116
25	A new chiral auxiliary for asymmetric thermal reactions: high stereocontrol in radical addition, allylation, and annulation reactions. Journal of the American Chemical Society, 1992, 114, 7007-7018.	13.7	112
26	Molecular Acrobatics:Â Self-Assembly of Calixarene-Porphyrin Cages. Journal of the American Chemical Society, 2003, 125, 14181-14189.	13.7	109
27	Convergent functional groups. 9. Complexation in new molecular clefts. Journal of the American Chemical Society, 1990, 112, 8902-8906.	13.7	106
28	Light-responsive molecular containers. Chemical Communications, 2017, 53, 4635-4652.	4.1	106
29	Approximate Additivity of Anionâ^'Ĩ€ Interactions:  An Ab Initio Study on Anionâ^'Ĩ€, Anionâ^'Ĩ€2 and Anionâ^ Complexes. Journal of Physical Chemistry A, 2005, 109, 9341-9345.	'Ï€3 2.5	101
30	Different Nature of the Interactions between Anions and HAT(CN) <sub>6</sub> : From Reversible Anionâ^'Ï€ Complexes to Irreversible Electron-Transfer Processes (HAT(CN) <sub>6</sub> =) Tj ETQq0 0 0 rgBT /C	)verskorck 1	0 Tafo5a0 297 1
31	Molecular recognition with convergent functional groups. VII. Energetics of adenine binding with model receptors. Journal of the American Chemical Society, 1989, 111, 1090-1094.	13.7	99
32	Rationalization of Noncovalent Interactions within Six New M <sup>II</sup> /8-Aminoquinoline Supramolecular Complexes (M <sup>II</sup> = Mn, Cu, and Cd): A Combined Experimental and Theoretical DFT Study. Crystal Growth and Design, 2015, 15, 1351-1361.	3.0	97
33	DABCO-Induced Self-Assembly of a Trisporphyrin Double-Decker Cage:Â Thermodynamic Characterization and Guest Recognition. Journal of the American Chemical Society, 2006, 128, 5560-5569.	13.7	96
34	Thermodynamic Characterization of Halideâ^'ï€ Interactions in Solution Using "Two-Wall―Aryl Extended Calix[4]pyrroles as Model System. Journal of the American Chemical Society, 2014, 136, 3208-3218.	13.7	96
35	s-Tetrazine as a new binding unit in molecular recognition of anions. Chemical Physics Letters, 2003, 370, 7-13.	2.6	95
36	Porphyrin tweezer receptors: Binding studies, conformational properties and applications. Coordination Chemistry Reviews, 2014, 258-259, 137-156.	18.8	92

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37	Self-assembly of dimeric tetraurea calix[4]pyrrole capsules. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10455-10459.	7.1	90
38	Squaramido-based receptors: Molecular recognition of carboxylate anions in highly competitive media. Tetrahedron Letters, 1998, 39, 1063-1066.	1.4	88
39	DABCO-Directed Self-Assembly of Bisporphyrins (DABCO=1,4-Diazabicyclo[2.2.2]octane). Chemistry - A European Journal, 2005, 11, 2196-2206.	3.3	88
40	Molecular Recognition of Pyridine <i>N</i> -Oxides in Water Using Calix[4]pyrrole Receptors. Journal of the American Chemical Society, 2009, 131, 3178-3179.	13.7	85
41	3-Picoline Mediated Self-Assembly of M(II)ậ€"Malonate Complexes (M = Ni/Co/Mn/Mg/Zn/Cu) Assisted by Various Weak Forces Involving Lone Pairâ^ï€, ï€â€"ï€, and Anion··Â-ï€â€"Hole Interactions. Journal of Physical Chemistry B, 2014, 118, 14713-14726.	2.6	81
42	Quantification of Aromaticity in Oxocarbons: The Problem of the Fictitious "Nonaromatic―Reference System. Chemistry - A European Journal, 2002, 8, 433-438.	3.3	80
43	A squaramide fluorescent ensemble for monitoring sulfate in water. Chemical Communications, 2001, , 1456-1457.	4.1	77
44	A Synthetic Receptor for Choline and Carnitine. Journal of the American Chemical Society, 2002, 124, 14014-14016.	13.7	77
45	A theoretical study of aromaticity in squaramide and oxocarbons. Tetrahedron Letters, 2000, 41, 2001-2005.	1.4	74
46	Dual Binding Mode ofs-Triazine to Anions and Cations. Organic Letters, 2003, 5, 2227-2229.	4.6	74
47	Cation-Ï€ versus anion-Ï€ interactions: a comparative ab initio study based on energetic, electron charge density and aromatic features. Chemical Physics Letters, 2004, 392, 85-89.	2.6	74
48	A Theoretical ab initio Study of the Capacity of Several Binding Units for the Molecular Recognition of Anions. European Journal of Organic Chemistry, 2005, 2005, 179-183.	2.4	74
49	Sodium and pH responsive hydrogel formation by the supramolecular system calix[4]pyrrole derivative/tetramethylammonium cation. Chemical Communications, 2011, 47, 2017.	4.1	74
50	Squaramido-Based Receptors:Â Design, Synthesis, and Application to the Recognition of Tetraalkylammonium Compounds. Journal of Organic Chemistry, 1996, 61, 9394-9401.	3.2	73
51	Ab Initio Study of [n.n]Paracyclophane (n= 2, 3) Complexes with Cations:Â Unprecedented Through-Space Substituent Effects. Journal of Physical Chemistry A, 2006, 110, 5144-5148.	2.5	71
52	Inclusion of Cavitands and Calix[4]arenes into a Metallobridgedpara-(1H-Imidazo[4,5-f][3,8]phenanthrolin-2-yl)-Expanded Calix[4]arene. Angewandte Chemie - International Edition, 2007, 46, 198-201.	13.8	70
53	The role of para-alkyl substituents on meso-phenyl porphyrin sensitised TiO2 solar cells: control of the eTiO2/electrolyte+ recombination reaction. Journal of Materials Chemistry, 2008, 18, 1652.	6.7	69
54	Reactivity and Molecular Recognition:Â Amine Methylation by an Introverted Ester. Journal of the American Chemical Society, 2003, 125, 14682-14683.	13.7	66

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55	Rational Design, Synthesis, and Application of a New Receptor for the Molecular Recognition of Tricarboxylate Salts in Aqueous Media. Journal of Organic Chemistry, 2006, 71, 7185-7195.	3.2	66
56	Thermal selectivity of intermolecular versus intramolecular reactions on surfaces. Nature Communications, 2016, 7, 11002.	12.8	66
57	Deep Cavitand Selfâ€Assembled on Au NPsâ€MWCNT as Highly Sensitive Benzene Sensing Interface. Advanced Functional Materials, 2015, 25, 4011-4020.	14.9	65
58	Structurally Simple, Modular Amino Alcohols for the Recognition of Carboxylic Acids. Application to the Development of a New Chiral Solvating Agent. Organic Letters, 2005, 7, 5485-5487.	4.6	64
59	Conformational Preferences and Self-Template Macrocyclization of Squaramide-Based Foldable Modules. Journal of Organic Chemistry, 2004, 69, 2302-2308.	3.2	63
60	Squaramide as a binding unit in molecular recognition. Chemical Physics Letters, 2000, 326, 247-254.	2.6	62
61	MP2 Study of synergistic effects between X–H/π (X = C,N,O) and π–π interactions. Theoretical Chemistry Accounts, 2008, 120, 385-393.	1.4	62
62	Characterization of a new ionophore-based ion-selective electrode for the potentiometric determination of creatinine in urine. Biosensors and Bioelectronics, 2017, 87, 587-592.	10.1	62
63	Molecular recognition: size and shape specificity in the binding of dicarboxylic acids. Journal of the American Chemical Society, 1987, 109, 3474-3475.	13.7	61
64	Optical Supramolecular Sensing of Creatinine. Journal of the American Chemical Society, 2020, 142, 4276-4284.	13.7	61
65	Solid-State Self-Assembly of a Calix[4]pyrroleâ^'Resorcinarene Hybrid into a Hexameric Cage. Journal of the American Chemical Society, 2007, 129, 3820-3821.	13.7	60
66	The Origin of Selectivity in the Complexation of <i>N</i> -Methyl Amino Acids by Tetraphosphonate Cavitands. Journal of the American Chemical Society, 2016, 138, 8569-8580.	13.7	60
67	Tetra-phosphonate Calix[4]pyrrole Cavitands as Multitopic Receptors for the Recognition of Ion Pairs. Journal of the American Chemical Society, 2015, 137, 2047-2055.	13.7	59
68	Recognition and Sensing of Creatinine. Angewandte Chemie - International Edition, 2016, 55, 2435-2440.	13.8	58
69	New chiral auxiliary for asymmetric thermal reactions: high regio- and .betastereoselectivity in asymmetric radical addition reactions to mixed fumarimides. Journal of the American Chemical Society, 1991, 113, 5918-5920.	13.7	57
70	A theoretical study of aromaticity in squaramide complexes with anions. Chemical Physics Letters, 2002, 351, 115-120.	2.6	57
71	Polyatomic Anion Assistance in the Assembly of [2]Pseudorotaxanes. Journal of the American Chemical Society, 2012, 134, 10733-10736.	13.7	57
72	On the importance of non covalent interactions in the structure of coordination Cu( <scp>ii</scp> ) and Co( <scp>ii</scp> ) complexes of pyrazine- and pyridine-dicarboxylic acid derivatives: experimental and theoretical views. CrystEngComm, 2014, 16, 6149-6158.	2.6	57

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73	Nature of Noncovalent Carbonâ€Bonding Interactions Derived from Experimental Chargeâ€Density Analysis. ChemPhysChem, 2015, 16, 2530-2533.	2.1	57
74	Energy Migration in a Selfâ€Assembled Nonameric Porphyrinic Molecular Box. Chemistry - A European Journal, 2008, 14, 4214-4224.	3.3	56
75	Lithium diffusion in single-walled carbon nanotubes: a theoretical study. Chemical Physics Letters, 2003, 374, 548-555.	2.6	55
76	A crystalline sponge based on dispersive forces suitable for X-ray structure determination of included molecular guests. Chemical Science, 2015, 6, 5466-5472.	7.4	54
77	Chalcogen Bonding and Hydrophobic Effects Force Molecules into Small Spaces. Journal of the American Chemical Society, 2020, 142, 5876-5883.	13.7	54
78	Anions and π-Aromatic Systems. Do They Interact Attractively?. Structure and Bonding, 2007, , 127-174.	1.0	51
79	Ion-pair recognition by a neutral [2]rotaxane based on a bis-calix[4]pyrrole cyclic component. Chemical Science, 2017, 8, 491-498.	7.4	51
80	Determination of choline and derivatives with a solid-contact ion-selective electrode based on octaamide cavitand and carbon nanotubes. Biosensors and Bioelectronics, 2009, 25, 344-349.	10.1	50
81	An Effective Fluorescent Sensor for Choline-Containing Phospholipids. Angewandte Chemie - International Edition, 1999, 38, 2208-2211.	13.8	49
82	MP2 Study of Cationâ^'(Ï€)nâ^'Ï€ Interactions (n= 1â^'4). Journal of Physical Chemistry A, 2006, 110, 9307-9309.	2.5	49
83	Crystallographic and Theoretical Evidence of Anion‑ïi€ and Hydrogenâ€Bonding Interactions in a Squaramide–Nitrate Salt. European Journal of Organic Chemistry, 2008, 2008, 1864-1868.	2.4	49
84	Catalytic Hydrogenation of Norbornadiene by a Rhodium Complex in a Selfâ€Folding Cavitand. Angewandte Chemie - International Edition, 2010, 49, 7489-7492.	13.8	48
85	Complexation of Sc <sub>3</sub> N@C <sub>80</sub> Endohedral Fullerene with Cyclic Zn-Bisporphyrins: Solid State and Solution Studies. Journal of Organic Chemistry, 2011, 76, 3258-3265.	3.2	48
86	A Theoretical Study of Anion–π Interactions in Seven-Membered Rings. ChemPhysChem, 2007, 8, 1182-1187.	2.1	47
87	Intramolecular Azideâ^ Alkyne Cycloaddition for the Fast Assembly of Structurally Diverse, Tricyclic 1,2,3-Triazoles. Organic Letters, 2008, 10, 1617-1619.	4.6	47
88	Selective Pairwise Encapsulation Using Directional Interactions. Journal of the American Chemical Society, 2010, 132, 2520-2521.	13.7	47
89	Switching from Separated to Contact Ion-Pair Binding Modes with Diastereomeric Calix[4]pyrrole Bis-phosphonate Receptors. Journal of the American Chemical Society, 2012, 134, 13121-13132.	13.7	45
90	Thermodynamic characterization of the squaramide–carboxylate interaction in squaramide receptors. Tetrahedron Letters, 2001, 42, 4933-4936.	1.4	44

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91	The effect of complex stoichiometry in supramolecular chirality transfer to zinc bisporphyrin systems. Chemical Communications, 2008, , 5939.	4.1	44
92	Efficient hydrogen bonding recognition in water using aryl-extended calix[4]pyrrole receptors. Chemical Science, 2019, 10, 2413-2423.	7.4	44
93	Self-assembly of double-decker cages induced by coordination of perylene bisimide with a trimeric Zn porphyrin: study of the electron transfer dynamics between the two photoactive components. Dalton Transactions, 2009, , 4023.	3.3	43
94	Evaluation of anion selectivity in protic media by squaramide–Cresol Red ensembles. Tetrahedron Letters, 2004, 45, 3749-3752.	1.4	42
95	Cation-ï€ vs anion-ï€ interactions: a complete ï€-orbital analysis. Chemical Physics Letters, 2004, 399, 220-225.	2.6	42
96	A colorimetric molecular probe for Cu(ii) ions based on the redox properties of Ru(ii) phthalocyanines. Journal of Materials Chemistry, 2008, 18, 176-181.	6.7	42
97	Influence of the Solvent and Metal Center on Supramolecular Chirality Induction with Bisporphyrin Tweezer Receptors. Strong Metal Modulation of Effective Molarity Values. Inorganic Chemistry, 2012, 51, 4620-4635.	4.0	42
98	Highly Cooperative Binding of Ionâ€Pair Dimers and Ion Quartets by a Bis(calix[4]pyrrole) Macrotricyclic Receptor. Angewandte Chemie - International Edition, 2013, 52, 6898-6902.	13.8	42
99	Reversible photocontrolled disintegration of a dimeric tetraurea-calix[4]pyrrole capsule with all-trans appended azobenzene units. Chemical Science, 2014, 5, 4260-4264.	7.4	42
100	Anion-Ï€ interactions in five-membered rings: a combined crystallographic and ab initio study. Chemical Physics Letters, 2003, 382, 534-540.	2.6	41
101	Boron triel bonding: a weak electrostatic interaction lacking electron-density descriptors. Physical Chemistry Chemical Physics, 2018, 20, 24192-24200.	2.8	40
102	Self-Assembly, Binding, and Dynamic Properties of Heterodimeric Porphyrin Macrocycles. Journal of Organic Chemistry, 2005, 70, 6616-6622.	3.2	39
103	The effect of molecular aggregates over the interfacial charge transfer processes on dye sensitized solar cells. Applied Physics Letters, 2008, 92, .	3.3	38
104	Weak Câ^'H/Ï€ Interaction Participates in the Diastereoselectivity of a Hostâ^'Guest Complex in the Presence of Six Strong Hydrogen Bonds. Organic Letters, 2003, 5, 1135-1138.	4.6	37
105	Encapsulation Studies of Cationic Gold Complexes within a Selfâ€Assembled Hexameric Resorcin[4]arene Capsule. European Journal of Organic Chemistry, 2013, 2013, 1494-1500.	2.4	37
106	Reversible Light-Controlled Cargo Release in Hydrogen-Bonded Dimeric Capsules. Journal of Organic Chemistry, 2015, 80, 10866-10873.	3.2	37
107	Selective sensing of competitive anions by non-selective hosts: the case of sulfate and phosphate in water. New Journal of Chemistry, 2008, 32, 1919.	2.8	35
108	Ab initio investigations of lithium diffusion in single-walled carbon nanotubes. Chemical Physics, 2004, 297, 85-91.	1.9	34

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109	Supramolecular Capsules Derived from Calixpyrrole Scaffolds. Israel Journal of Chemistry, 2011, 51, 710-724.	2.3	34
110	Hydration of aromatic alkynes catalyzed by a self-assembled hexameric organic capsule. Catalysis Science and Technology, 2016, 6, 6031-6036.	4.1	34
111	New Chiral Auxiliaries for Enolate Alkylations. Angewandte Chemie International Edition in English, 1990, 29, 555-556.	4.4	33
112	Hybrid Cavitandâ^'Resorcin[4]arene Receptor for the Selective Binding of Choline and Related Compounds in Protic Media. Organic Letters, 2006, 8, 3477-3480.	4.6	33
113	Diffusion-ordered spectroscopy (1H-DOSY) of Zn-porphyrin assemblies induced by coordination with DABCO. New Journal of Chemistry, 2008, 32, 2159.	2.8	33
114	Chlorideâ€Selective Electrodes Based on "Twoâ€Wall―Arylâ€Extended Calix[4]Pyrroles: Combining Hydrogen Bonds and Anion–Ĩ€ Interactions to Achieve Optimum Performance. Chemistry - A European Journal, 2015, 21, 448-454.	3.3	32
115	Moving systems of polar dimeric capsules out of thermal equilibrium by light irradiation. Chemical Communications, 2016, 52, 3046-3049.	4.1	32
116	Conformational selectivity and high-affinity binding in the complexation of <i>N</i> -phenyl amides in water by a phenyl extended calix[4]pyrrole. Chemical Science, 2018, 9, 7186-7192.	7.4	32
117	Molecular recognition: new shapes for asymmetric microenvironments. Journal of the American Chemical Society, 1987, 109, 4119-4120.	13.7	31
118	Efficient Macrocyclization of Preorganized Palindromic Oligosquaramides. Angewandte Chemie - International Edition, 2006, 45, 6844-6848.	13.8	31
119	A dissymmetric molecular capsule with polar interior and two mechanically locked hemispheres. Chemical Science, 2012, 3, 186-191.	7.4	31
120	Predicting Experimental Complexation-Induced Changes in1H NMR Chemical Shift for Complexes between Zinc-Porphyrins and Amines Using the ab Initio/GIAO-HF Methodology. Organic Letters, 2002, 4, 399-401.	4.6	30
121	Synthesis, structural characterization and anion binding studies of palladium macrocycles with hydrogen-bonding ligands. Dalton Transactions, 2007, , 3516.	3.3	30
122	Switching from Negative-Cooperativity to No-Cooperativity in the Binding of Ion-Pair Dimers by a Bis(calix[4]pyrrole) Macrocycle. Journal of Organic Chemistry, 2018, 83, 13507-13514.	3.2	30
123	Molecular recognition: Watson-Crick, Hoogsteen, and bifurcated hydrogen bonding in a model for adenine recognition. Journal of the American Chemical Society, 1987, 109, 6866-6867.	13.7	29
124	Multivalent recognition of bis- and tris-Zn-porphyrins by N-methylimidazole functionalized gold nanoparticles. Chemical Communications, 2003, , 1004-1005.	4.1	29
125	Evidence of anion-induced dimerization of a squaramide-based host in protic solvents. Chemical Communications, 2007, , 963-965.	4.1	29
126	MP2 study of anion–π complexes of trifluoro-s-triazine with tetrahedral and octahedral anions. Chemical Physics Letters, 2007, 438, 104-108.	2.6	29

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127	Exclusive Self-Assembly of a Polar Dimeric Capsule between Tetraurea Calix[4]pyrrole and Tetraurea Calix[4]arene. Organic Letters, 2011, 13, 3402-3405.	4.6	29
128	Singleâ€Moleculeâ€Magnet Behavior in the Family of [Ln(OETAP) <sub>2</sub> ] Doubleâ€Decker Complexes (Ln=Lanthanide, OETAP=Octa(ethyl)tetraazaporphyrin). Chemistry - A European Journal, 2014, 20, 12817-12825.	3.3	29
129	Synthesis, Structure, and Binding Properties of Lipophilic Cavitands Based on a Calix[4]pyrrole-Resorcinarene Hybrid Scaffold. Journal of Organic Chemistry, 2014, 79, 5545-5557.	3.2	29
130	Supramolecular Inclusion Complexes of Two Cyclic Zinc Bisporphyrins with C <sub>60</sub> and C <sub>70</sub> : Structural, Thermodynamic, and Photophysical Characterization. Chemistry - A European Journal, 2011, 17, 14564-14577.	3.3	28
131	The use of Moâ€Kα radiation in the assignment of the absolute configuration of light-atom molecules; the importance of high-resolution data. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 660-668.	1.1	28
132	Template-directed self-assembly of dynamic covalent capsules with polar interiors. Chemical Science, 2017, 8, 7746-7750.	7.4	28
133	Efficient Self-Sorting of a Racemic Tetra-Urea Calix[4]Pyrrole into a Single Heterodimeric Capsule. Organic Letters, 2010, 12, 1740-1743.	4.6	27
134	Regioisomeric Control Induced by DABCO Coordination to Rotatable Selfâ€Assembled Bis―and Tetraporphyrin α,γâ€Cyclic Octapeptide Dimers. Chemistry - A European Journal, 2011, 17, 1220-1229.	3.3	27
135	Selection and characterization of DNA aptamers against the steroid testosterone. Mikrochimica Acta, 2017, 184, 1631-1639.	5.0	27
136	Ionophore-Based Optical Sensor for Urine Creatinine Determination. ACS Sensors, 2019, 4, 421-426.	7.8	27
137	A mono-metallic Pd( <scp>ii</scp> )-cage featuring two different polar binding sites. Chemical Communications, 2019, 55, 604-607.	4.1	27
138	Convergent functional groups. 5. Ternary complexes in the molecular recognition of .betaarylethylamines. Journal of the American Chemical Society, 1988, 110, 923-927.	13.7	26
139	A Porphyrin Coordination Cage Assembled from Four Silver(I) Triazolylâ€Pyridine Complexes. Chemistry - A European Journal, 2015, 21, 15339-15348.	3.3	26
140	Quantification of CH-ï€ Interactions Using Calix[4]pyrrole Receptors as Model Systems. Molecules, 2015, 20, 16672-16686.	3.8	26
141	Water-soluble aryl-extended calix[4]pyrroles with unperturbed aromatic cavities: synthesis and binding studies. Organic and Biomolecular Chemistry, 2015, 13, 1022-1029.	2.8	26
142	Super Arylâ€Extended Calix[4]pyrroles: Synthesis, Binding Studies, and Attempts To Gain Water Solubility. Chemistry - A European Journal, 2016, 22, 13682-13689.	3.3	26
143	Enhanced Photosensitive Schottky Diode Behavior of Pyrazine over 2-Aminopyrimidine Ligand in Copper(II)-Phthalate MOFs: Experimental and Theoretical Rationalization. ACS Omega, 2018, 3, 9160-9171.	3.5	26
144	Ab initio investigations of lithium insertion in boron and nitrogen-doped single-walled carbon nanotubes. Chemical Physics Letters, 2005, 411, 256-261.	2.6	24

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145	Modern Strategies in Supramolecular Catalysis. Advances in Catalysis, 2011, 54, 63-126.	0.2	24
146	Guest Exchange Mechanisms in Monoâ€Metallic Pd <sup>II</sup> /Pt <sup>II</sup> â€Cages Based on a Tetraâ€Pyridyl Calix[4]pyrrole Ligand. Angewandte Chemie - International Edition, 2019, 58, 16105-16109.	13.8	24
147	Quantification of the hydrophobic effect using water-soluble super aryl-extended calix[4]pyrroles. Organic Chemistry Frontiers, 2019, 6, 1738-1748.	4.5	24
148	Molecular Recognition: Stacking Interactions Influence Watson-Crick vs. Hoogsteen Base-Pairing in a Model for Adenine Receptors. Angewandte Chemie International Edition in English, 1987, 26, 1244-1245.	4.4	23
149	Dendrimers as scaffolds for the synthesis of spherical porphyrin arrays. Chemical Communications, 2003, , 38-39.	4.1	22
150	Interaction Energies and Dynamics of Acidâ^Base Pairs Isolated in Cavitands. Journal of Organic Chemistry, 2008, 73, 6480-6488.	3.2	22
151	Anionâ^'Ï€â~'Ï€ Interactions in a Dinuclear M2L2Metallocycle. Inorganic Chemistry, 2008, 47, 10190-10192.	4.0	22
152	Rigidified Cavitand Hosts in Water: Bent Guests, Shape Selectivity, and Encapsulation. Journal of the American Chemical Society, 2021, 143, 19517-19524.	13.7	22
153	Molecular recognition of cis-1,3,5-cyclohexane tricarboxylic acid. Tetrahedron Letters, 1994, 35, 3813-3816.	1.4	21
154	Squaramide-based receptors: Synthesis and application to the recognition of polyalkyl ammonium salts. Tetrahedron Letters, 1995, 36, 2523-2526.	1.4	21
155	Catalytic Hydrogenation of Norbornadiene by a Rhodium Complex in a Selfâ€Folding Cavitand. Angewandte Chemie, 2010, 122, 7651-7654.	2.0	21
156	Synthesis and Binding Studies of a Tetraâ€Î± Arylâ€Extended Photoresponsive Calix[4]pyrrole Receptor Bearing <i>meso</i> â€Alkyl Substituents. European Journal of Organic Chemistry, 2018, 2018, 1097-1106.	2.4	21
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