Pablo Ballester

List of Publications by Year
in descending order

274 papers	13,886 citations	20797 60 h-index	28275 105 g-index
322 all docs	322 docs citations	322 times ranked	9998 citing authors

#	Article	IF	Citations
1	Supramolecular catalysis. Part 2: artificial enzyme mimics. Chemical Society Reviews, 2014, 43, 1734-1787.	18.7	775
2	Anionâ€"Ï€ Interactions: Do They Exist?. Angewandte Chemie - International Edition, 2002, 41, 3389-3392.	7.2	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.	18.7	605
4	Self-replicating system. Journal of the American Chemical Society, 1990, 112, 1249-1250.	6.6	363
5	Stabilization of reactive species by supramolecular encapsulation. Chemical Society Reviews, 2016, 45, 1720-1737.	18.7	284
6	Fluorescent Supramolecular Polymers:Â Metal Directed Self-Assembly of Perylene Bisimide Building Blocks. Macromolecules, 2005, 38, 1315-1325.	2.2	253
7	Anion binding in covalent and self-assembled molecular capsules. Chemical Society Reviews, 2010, 39, 3810.	18.7	215
8	Experimental Quantification of Anionâ^'Ï€ Interactions in Solution Using Neutral Hostâ€"Guest Model Systems. Accounts of Chemical Research, 2013, 46, 874-884.	7.6	210
9	Quantitative Evaluation of Anionâ€"Ï€ Interactions in Solution. Angewandte Chemie - International Edition, 2008, 47, 4114-4118.	7.2	200
10	A Topological Analysis of the Electron Density in Anion-Ï€ Interactions. ChemPhysChem, 2003, 4, 1344-1348.	1.0	190
11	Structure and Binding Energy of Anionâ^'Ï€ and Cationâ^'Ï€ Complexes:Â A Comparison of MP2, RI-MP2, DFT, and DF-DFT Methods. Journal of Physical Chemistry A, 2005, 109, 4632-4637.	1.1	186
12	Counterintuitive interaction of anions with benzene derivatives. Chemical Physics Letters, 2002, 359, 486-492.	1.2	178
13	Anionâ€"Ï€ Interactions: Do They Exist?. Angewandte Chemie, 2002, 114, 3539-3542.	1.6	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.	6.6	171
15	Cationâ^'Ï€ versus Anionâ^'Ï€ Interactions:Â Energetic, Charge Transfer, and Aromatic Aspects. Journal of Physical Chemistry A, 2004, 108, 9423-9427.	1.1	171
16	Kinetic studies and modeling of a self-replicating system. Journal of the American Chemical Society, 1991, 113, 8831-8839.	6.6	159
17	Molecular Recognition in Water Using Macrocyclic Synthetic Receptors. Chemical Reviews, 2021, 121, 2445-2514.	23.0	158
18	Hydrogen bonded supramolecular capsules with functionalized interiors: the controlled orientation of included guests. Chemical Society Reviews, 2013, 42, 3261.	18.7	156

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19	MP2 study of cooperative effects between cationâ€“Ï€, anionâ€“Ï€ and Ï€â€“Ï€ interactions. New Journal of Chemistry, 2007, 31, 556-560.	1.4	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.	6.6	147
21	Interplay Between Cation-Ï€, Anion-Ï€ and Ï€-Ï€ Interactions. ChemPhysChem, 2006, 7, 2487-2491.	1.0	145
22	Molecular containers. Chemical Society Reviews, 2015, 44, 392-393.	18.7	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.	6.6	128
24	Anionâ€“Ï€ interactions: must the aromatic ring be electron deficient?. New Journal of Chemistry, 2003, 27, 211-214.	1.4	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.	6.6	112
26	Molecular Acrobatics:Â Self-Assembly of Calixarene-Porphyrin Cages. Journal of the American Chemical Society, 2003, 125, 14181-14189.	6.6	109
27	Convergent functional groups. 9. Complexation in new molecular clefts. Journal of the American Chemical Society, 1990, 112, 8902-8906.	6.6	106
28	Light-responsive molecular containers. Chemical Communications, 2017, 53, 4635-4652.	2.2	106
29	Approximate Additivity of Anionâ^'Ï€ Interactions:â€‰ An Ab Initio Study on Anionâ^'Ï€, Anionâ^'Ï€2 and Anionâ^'Ï€3 Complexes. Journal of Physical Chemistry A, 2005, 109, 9341-9345.	1.1	101
30	Different Nature of the Interactions between Anions and HAT(CN)₆: From Reversible Anionâ^'Ï€ Complexes to Irreversible Electron-Transfer Processes (HAT(CN)₆ =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td	6.6	101
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.	6.6	99
32	Rationalization of Noncovalent Interactions within Six New M^{II}/8-Aminoquinoline Supramolecular Complexes (M^{II} = Mn, Cu, and Cd): A Combined Experimental and Theoretical DFT Study. Crystal Growth and Design, 2015, 15, 1351-1361.	1.4	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.	6.6	96
34	Thermodynamic Characterization of Halideâ^'Ï€ Interactions in Solution Using â€œTwo-Wallâ€• Aryl Extended Calix[4]pyrroles as Model System. Journal of the American Chemical Society, 2014, 136, 3208-3218.	6.6	96
35	s-Tetrazine as a new binding unit in molecular recognition of anions. Chemical Physics Letters, 2003, 370, 7-13.	1.2	95
36	Porphyrin tweezer receptors: Binding studies, conformational properties and applications. Coordination Chemistry Reviews, 2014, 258-259, 137-156.	9.5	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.	3.3	90
38	Squaramido-based receptors: Molecular recognition of carboxylate anions in highly competitive media. Tetrahedron Letters, 1998, 39, 1063-1066.	0.7	88
39	DABCO-Directed Self-Assembly of Bisporphyrins (DABCO=1,4-Diazabicyclo[2.2.2]octane). Chemistry - A European Journal, 2005, 11, 2196-2206.	1.7	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.	6.6	85
41	3-Picoline Mediated Self-Assembly of M(II)â€“Malonate Complexes (M = Ni/Co/Mn/Mg/Zn/Cu) Assisted by Various Weak Forces Involving Lone Pairâ˘Ï€, Ï€â€“Ï€, and AnionÂ·Â·Â·Ï€â€“Hole Interactions. Journal of Physical Chemistry B, 2014, 118, 14713-14726.	1.2	81
42	Quantification of Aromaticity in Oxocarbons: The Problem of the Fictitious â€œNonaromaticâ€•Reference System. Chemistry - A European Journal, 2002, 8, 433-438.	1.7	80
43	A squaramide fluorescent ensemble for monitoring sulfate in water. Chemical Communications, 2001, , 1456-1457.	2.2	77
44	A Synthetic Receptor for Choline and Carnitine. Journal of the American Chemical Society, 2002, 124, 14014-14016.	6.6	77
45	A theoretical study of aromaticity in squaramide and oxocarbons. Tetrahedron Letters, 2000, 41, 2001-2005.	0.7	74
46	Dual Binding Mode ofs-Triazine to Anions and Cations. Organic Letters, 2003, 5, 2227-2229.	2.4	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.	1.2	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.	1.2	74
49	Sodium and pH responsive hydrogel formation by the supramolecular system calix[4]pyrrole derivative/tetramethylammonium cation. Chemical Communications, 2011, 47, 2017.	2.2	74
50	Squaramido-Based Receptors:Â Design, Synthesis, and Application to the Recognition of Tetraalkylammonium Compounds. Journal of Organic Chemistry, 1996, 61, 9394-9401.	1.7	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.	1.1	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.	7.2	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.	6.6	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.	1.7	66
56	Thermal selectivity of intermolecular versus intramolecular reactions on surfaces. Nature Communications, 2016, 7, 11002.	5.8	66
57	Deep Cavitand Selfâ€Assembled on Au NPsâ€MWCNT as Highly Sensitive Benzene Sensing Interface. Advanced Functional Materials, 2015, 25, 4011-4020.	7.8	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.	2.4	64
59	Conformational Preferences and Self-Template Macrocyclization of Squaramide-Based Foldable Modules. Journal of Organic Chemistry, 2004, 69, 2302-2308.	1.7	63
60	Squaramide as a binding unit in molecular recognition. Chemical Physics Letters, 2000, 326, 247-254.	1.2	62
61	MP2 Study of synergistic effects between Xâ€“H/Ï€ (X = C,N,O) and Ï€â€“Ï€ interactions. Theoretical Chemistry Accounts, 2008, 120, 385-393.	0.5	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.	5.3	62
63	Molecular recognition: size and shape specificity in the binding of dicarboxylic acids. Journal of the American Chemical Society, 1987, 109, 3474-3475.	6.6	61
64	Optical Supramolecular Sensing of Creatinine. Journal of the American Chemical Society, 2020, 142, 4276-4284.	6.6	61
65	Solid-State Self-Assembly of a Calix[4]pyrroleâˆ’Resorcinarene Hybrid into a Hexameric Cage. Journal of the American Chemical Society, 2007, 129, 3820-3821.	6.6	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.	6.6	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.	6.6	59
68	Recognition and Sensing of Creatinine. Angewandte Chemie - International Edition, 2016, 55, 2435-2440.	7.2	58
69	New chiral auxiliary for asymmetric thermal reactions: high regio- and .beta.-stereoselectivity in asymmetric radical addition reactions to mixed fumarimides. Journal of the American Chemical Society, 1991, 113, 5918-5920.	6.6	57
70	A theoretical study of aromaticity in squaramide complexes with anions. Chemical Physics Letters, 2002, 351, 115-120.	1.2	57
71	Polyatomic Anion Assistance in the Assembly of [2]Pseudorotaxanes. Journal of the American Chemical Society, 2012, 134, 10733-10736.	6.6	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.	1.3	57

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73	Nature of Noncovalent Carbonâ€Bonding Interactions Derived from Experimental Chargeâ€Density Analysis. ChemPhysChem, 2015, 16, 2530-2533.	1.0	57
74	Energy Migration in a Selfâ€Assembled Nonameric Porphyrinic Molecular Box. Chemistry - A European Journal, 2008, 14, 4214-4224.	1.7	56
75	Lithium diffusion in single-walled carbon nanotubes: a theoretical study. Chemical Physics Letters, 2003, 374, 548-555.	1.2	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.	3.7	54
77	Chalcogen Bonding and Hydrophobic Effects Force Molecules into Small Spaces. Journal of the American Chemical Society, 2020, 142, 5876-5883.	6.6	54
78	Anions and Ï€-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.	3.7	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.	5.3	50
81	An Effective Fluorescent Sensor for Choline-Containing Phospholipids. Angewandte Chemie - International Edition, 1999, 38, 2208-2211.	7.2	49
82	MP2 Study of Cationâˆ’(Ï€)nâˆ’Ï€ Interactions (n= 1âˆ’4). Journal of Physical Chemistry A, 2006, 110, 9307-9309.	1.1	49
83	Crystallographic and Theoretical Evidence of Anionâ€“Ï€ and Hydrogenâ€Bonding Interactions in a Squaramideâ€“Nitrate Salt. European Journal of Organic Chemistry, 2008, 2008, 1864-1868.	1.2	49
84	Catalytic Hydrogenation of Norbornadiene by a Rhodium Complex in a Selfâ€Folding Cavitand. Angewandte Chemie - International Edition, 2010, 49, 7489-7492.	7.2	48
85	Complexation of Sc₃N@C₈₀ Endohedral Fullerene with Cyclic Zn-Bisporphyrins: Solid State and Solution Studies. Journal of Organic Chemistry, 2011, 76, 3258-3265.	1.7	48
86	A Theoretical Study of Anionâ€“Ï€ Interactions in Seven-Membered Rings. ChemPhysChem, 2007, 8, 1182-1187.	1.0	47
87	Intramolecular Azideâˆ’Alkyne Cycloaddition for the Fast Assembly of Structurally Diverse, Tricyclic 1,2,3-Triazoles. Organic Letters, 2008, 10, 1617-1619.	2.4	47
88	Selective Pairwise Encapsulation Using Directional Interactions. Journal of the American Chemical Society, 2010, 132, 2520-2521.	6.6	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.	6.6	45
90	Thermodynamic characterization of the squaramideâ€“carboxylate interaction in squaramide receptors. Tetrahedron Letters, 2001, 42, 4933-4936.	0.7	44

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91	The effect of complex stoichiometry in supramolecular chirality transfer to zinc bisporphyrin systems. Chemical Communications, 2008, , 5939.	2.2	44
92	Efficient hydrogen bonding recognition in water using aryl-extended calix[4]pyrrole receptors. Chemical Science, 2019, 10, 2413-2423.	3.7	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.	1.6	43
94	Evaluation of anion selectivity in protic media by squaramideâ€"Cresol Red ensembles. Tetrahedron Letters, 2004, 45, 3749-3752.	0.7	42
95	Cation-Ï€ vs anion-Ï€ interactions: a complete Ï€-orbital analysis. Chemical Physics Letters, 2004, 399, 220-225.	1.2	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.	1.9	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.	7.2	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.	3.7	42
100	Anion-Ï€ interactions in five-membered rings: a combined crystallographic and ab initio study. Chemical Physics Letters, 2003, 382, 534-540.	1.2	41
101	Boron triel bonding: a weak electrostatic interaction lacking electron-density descriptors. Physical Chemistry Chemical Physics, 2018, 20, 24192-24200.	1.3	40
102	Self-Assembly, Binding, and Dynamic Properties of Heterodimeric Porphyrin Macrocycles. Journal of Organic Chemistry, 2005, 70, 6616-6622.	1.7	39
103	The effect of molecular aggregates over the interfacial charge transfer processes on dye sensitized solar cells. Applied Physics Letters, 2008, 92, .	1.5	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.	2.4	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.	1.2	37
106	Reversible Light-Controlled Cargo Release in Hydrogen-Bonded Dimeric Capsules. Journal of Organic Chemistry, 2015, 80, 10866-10873.	1.7	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.	1.4	35
108	Ab initio investigations of lithium diffusion in single-walled carbon nanotubes. Chemical Physics, 2004, 297, 85-91.	0.9	34

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109	Supramolecular Capsules Derived from Calixpyrrole Scaffolds. Israel Journal of Chemistry, 2011, 51, 710-724.	1.0	34
110	Hydration of aromatic alkynes catalyzed by a self-assembled hexameric organic capsule. Catalysis Science and Technology, 2016, 6, 6031-6036.	2.1	34
111	New Chiral Auxiliaries for Enolate Alkylations. Angewandte Chemie International Edition in English, 1990, 29, 555-556.	4.4	33
112	Hybrid Cavitandâˆ'Resorcin[4]arene Receptor for the Selective Binding of Choline and Related Compounds in Protic Media. Organic Letters, 2006, 8, 3477-3480.	2.4	33
113	Diffusion-ordered spectroscopy (1H-DOSY) of Zn-porphyrin assemblies induced by coordination with DABCO. New Journal of Chemistry, 2008, 32, 2159.	1.4	33
114	Chlorideâ€Selective Electrodes Based on â€œTwoâ€Wallâ€•Arylâ€Extended Calix[4]Pyrroles: Combining Hydrogen Bonds and Anionâ€"Ï€ Interactions to Achieve Optimum Performance. Chemistry - A European Journal, 2015, 21, 448-454.	1.7	32
115	Moving systems of polar dimeric capsules out of thermal equilibrium by light irradiation. Chemical Communications, 2016, 52, 3046-3049.	2.2	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.	3.7	32
117	Molecular recognition: new shapes for asymmetric microenvironments. Journal of the American Chemical Society, 1987, 109, 4119-4120.	6.6	31
118	Efficient Macrocyclization of Preorganized Palindromic Oligosquaramides. Angewandte Chemie - International Edition, 2006, 45, 6844-6848.	7.2	31
119	A dissymmetric molecular capsule with polar interior and two mechanically locked hemispheres. Chemical Science, 2012, 3, 186-191.	3.7	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.	2.4	30
121	Synthesis, structural characterization and anion binding studies of palladium macrocycles with hydrogen-bonding ligands. Dalton Transactions, 2007, , 3516.	1.6	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.	1.7	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.	6.6	29
124	Multivalent recognition of bis- and tris-Zn-porphyrins by N-methylimidazole functionalized gold nanoparticles. Chemical Communications, 2003, , 1004-1005.	2.2	29
125	Evidence of anion-induced dimerization of a squaramide-based host in protic solvents. Chemical Communications, 2007, , 963-965.	2.2	29
126	MP2 study of anionâ€"Ï€ complexes of trifluoro-s-triazine with tetrahedral and octahedral anions. Chemical Physics Letters, 2007, 438, 104-108.	1.2	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.	2.4	29
128	Singleâ€Moleculeâ€Magnet Behavior in the Family of [Ln(OETAP)₂] Doubleâ€Decker Complexes (Ln=Lanthanide, OETAP=Octa(ethyl)tetraazaporphyrin). Chemistry - A European Journal, 2014, 20, 12817-12825.	1.7	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.	1.7	29
130	Supramolecular Inclusion Complexes of Two Cyclic Zinc Bisporphyrins with C₆₀ and C₇₀: Structural, Thermodynamic, and Photophysical Characterization. Chemistry - A European Journal, 2011, 17, 14564-14577.	1.7	28
131	The use of Moâ€…KÎ± 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.	0.5	28
132	Template-directed self-assembly of dynamic covalent capsules with polar interiors. Chemical Science, 2017, 8, 7746-7750.	3.7	28
133	Efficient Self-Sorting of a Racemic Tetra-Urea Calix[4]Pyrrole into a Single Heterodimeric Capsule. Organic Letters, 2010, 12, 1740-1743.	2.4	27
134	Regioisomeric Control Induced by DABCO Coordination to Rotatable Selfâ€Assembled Bisâ€•and Tetraporphyrin Î±,Î³â€Cyclic Octapeptide Dimers. Chemistry - A European Journal, 2011, 17, 1220-1229.	1.7	27
135	Selection and characterization of DNA aptamers against the steroid testosterone. Mikrochimica Acta, 2017, 184, 1631-1639.	2.5	27
136	Ionophore-Based Optical Sensor for Urine Creatinine Determination. ACS Sensors, 2019, 4, 421-426.	4.0	27
137	A mono-metallic Pd(<scp>ii</scp>)-cage featuring two different polar binding sites. Chemical Communications, 2019, 55, 604-607.	2.2	27
138	Convergent functional groups. 5. Ternary complexes in the molecular recognition of .beta.-arylethylamines. Journal of the American Chemical Society, 1988, 110, 923-927.	6.6	26
139	A Porphyrin Coordination Cage Assembled from Four Silver(I) Triazolylâ€Pyridine Complexes. Chemistry - A European Journal, 2015, 21, 15339-15348.	1.7	26
140	Quantification of CH-Ï€ Interactions Using Calix[4]pyrrole Receptors as Model Systems. Molecules, 2015, 20, 16672-16686.	1.7	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.	1.5	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.	1.7	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.	1.6	26
144	Ab initio investigations of lithium insertion in boron and nitrogen-doped single-walled carbon nanotubes. Chemical Physics Letters, 2005, 411, 256-261.	1.2	24

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145	Modern Strategies in Supramolecular Catalysis. Advances in Catalysis, 2011, 54, 63-126.	0.1	24
146	Guest Exchange Mechanisms in Monoâ€Metallic Pd^{II}/Pt^{II}â€Cages Based on a Tetraâ€Pyridyl Calix[4]pyrrole Ligand. Angewandte Chemie - International Edition, 2019, 58, 16105-16109.	7.2	24
147	Quantification of the hydrophobic effect using water-soluble super aryl-extended calix[4]pyrroles. Organic Chemistry Frontiers, 2019, 6, 1738-1748.	2.3	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.	2.2	22
150	Interaction Energies and Dynamics of Acidâˆ'Base Pairs Isolated in Cavitands. Journal of Organic Chemistry, 2008, 73, 6480-6488.	1.7	22
151	Anionâˆ'Ï€âˆ'Ï€ Interactions in a Dinuclear M2L2Metallocycle. Inorganic Chemistry, 2008, 47, 10190-10192.	1.9	22
152	Rigidified Cavitand Hosts in Water: Bent Guests, Shape Selectivity, and Encapsulation. Journal of the American Chemical Society, 2021, 143, 19517-19524.	6.6	22
153	Molecular recognition of cis-1,3,5-cyclohexane tricarboxylic acid. Tetrahedron Letters, 1994, 35, 3813-3816.	0.7	21
154	Squaramide-based receptors: Synthesis and application to the recognition of polyalkyl ammonium salts. Tetrahedron Letters, 1995, 36, 2523-2526.	0.7	21
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