

# Enrico Dalcanale

## List of Publications by Citations

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214  
papers

6,972  
citations

42  
h-index

73  
g-index

230  
ext. papers

7,452  
ext. citations

6.7  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
214	Selective oxidation of aldehydes to carboxylic acids with sodium chlorite-hydrogen peroxide. <i>Journal of Organic Chemistry</i> , <b>1986</b> , 51, 567-569	4.2	426
213	Host-guest complexation. 48. Octol building blocks for cavitands and carcerands. <i>Journal of Organic Chemistry</i> , <b>1989</b> , 54, 1305-1312	4.2	408
212	Metal-Induced Self-Assembly of Cavitand-Based Cage Molecules. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 613-615		216
211	Vases and kites as cavitands. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 5707-5714	16.4	211
210	Self-assembly and anion encapsulation properties of cavitand-based coordination cages. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 7539-52	16.4	182
209	Real-time monitoring of sub-ppb concentrations of aromatic volatiles with a MEMS-enabled miniaturized gas-chromatograph. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 141, 322-328	8.5	158
208	Cavitand-based nanoscale coordination cages. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 6516-17.4	16.4	141
207	Cavitands as versatile molecular receptors. <i>Journal of Organic Chemistry</i> , <b>1992</b> , 57, 4608-4612	4.2	141
206	Anion binding to resorcinarene-based cavitands: the importance of C-H...anion interactions. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 788-92	16.4	121
205	Molecular recognition at the gas-solid interface: a powerful tool for chemical sensing. <i>Chemical Society Reviews</i> , <b>2007</b> , 36, 695-706	58.5	119
204	Host-guest driven self-assembly of linear and star supramolecular polymers. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4504-8	16.4	106
203	Cavitands at Work: From Molecular Recognition to Supramolecular Sensors. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 451-462	3.2	106
202	Structurally new macrocycles from the resorcinol-aldehyde condensation. Configurational and conformational analyses by means of dynamic NMR, NOE, and T1 experiments. <i>Journal of Organic Chemistry</i> , <b>1988</b> , 53, 5475-5479	4.2	101
201	Supramolecular sensing with phosphonate cavitands. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 399-411	24.3	98
200	Magnetic behaviour of TbPc2 single-molecule magnets chemically grafted on silicon surface. <i>Nature Communications</i> , <b>2014</b> , 5, 4582	17.4	91
199	Design and self-assembly of wide and robust coordination cages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 4911-5	11.5	85
198	Biochemical sensing with macrocyclic receptors. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 7006-7026	58.5	80

197	Single-molecule-magnet carbon-nanotube hybrids. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 746-50	16.4	78
196	Dynamic materials through metal-directed and solvent-driven self-assembly of cavitands. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 1384-7	16.4	78
195	Supramolecular sensing with phosphonate cavitands. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 5772-9	4.8	71
194	New bowl-shaped columnar liquid crystals. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1990</b> , 163		71
193	Metallinduzierte Selbstorganisation von Cavitanden zu Käfigmolekülen. <i>Angewandte Chemie</i> , <b>1997</b> , 109, 665-667	3.6	69
192	Dynamic and structural NMR studies of cavitand-based coordination cages. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 7025-32	16.4	69
191	Surface-confined single molecules: assembly and disassembly of nanosize coordination cages on gold (111). <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 2199-206	4.8	69
190	Conformational behavior of pyrazine-bridged and mixed-bridged cavitands: a general model for solvent effects on thermal "vase-kite" switching. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4775-84	4.8	68
189	Host-guest complexation in the gas phase by desorption chemical ionization mass spectrometry. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 445-447	16.4	64
188	Highly selective monomethylation of primary amines through host-guest product sequestration. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 2452-3	16.4	63
187	Selective complexation of neutral molecules in organic solvents. Host-guest complexes and cavitates between cavitands and aromatic compounds. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1989</b> , 500-502		63
186	Fully reversible guest exchange in tetrakisphosphonate cavitand complexes probed by fluorescence spectroscopy. <i>Chemical Communications</i> , <b>2008</b> , 1638-40	5.8	58
185	Cavitand-functionalized SWCNTs for N-methylammonium detection. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 6540-3	16.4	56
184	Molecular recognition on a cavitand-functionalized silicon surface. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7447-55	16.4	56
183	Exclusive recognition of sarcosine in water and urine by a cavitand-functionalized silicon surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 2263-8	11.5	54
182	The Origin of Selectivity in the Complexation of N-Methyl Amino Acids by Tetrakisphosphonate Cavitands. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8569-80	16.4	50
181	Highly selective chemical vapor sensing by molecular recognition: specific detection of C1-C4 alcohols with a fluorescent phosphonate cavitand. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4654-7	16.4	49
180	Cavitands as selective materials for QMB sensors for nitrobenzene and other aromatic vapours. <i>Sensors and Actuators B: Chemical</i> , <b>1993</b> , 13, 302-304	8.5	49

179	Innovative cavitand-based sol-gel coatings for the environmental monitoring of benzene and chlorobenzenes via solid-phase microextraction. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 6423-30	7.8	48
178	A supramolecular approach to sub-ppb aromatic VOC detection in air. <i>Chemical Communications</i> , <b>2007</b> , 2790-2	5.8	48
177	Rational design of cavitand receptors for mass sensors. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 12068-9	16.4	47
176	Cucurbit[7]uril-Dimethyllysine Recognition in a Model Protein. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7126-7130	16.4	46
175	Potential-Driven Conductivity of Polypyrroles, Poly-N-Alkylpyrroles, and Polythiophenes: Role of the Pyrrole NH Moiety in the Doping-Charge Dependence of Conductivity. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 4642-4650	9.6	43
174	Enlarged cavitand-based coordination cages. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 527-530	2	43
173	Nuclear magnetic resonance elucidation of ring-inversion processes in macrocyclic octaols. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1990</b> , 2075		43
172	Supramolecular Sensors for the Detection of Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 2377-2380	16.4	42
171	Supramolecular surface plasmon resonance (SPR) sensors for organophosphorus vapor detection. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1809		40
170	Host-guest chemistry in the gas phase and at the gas-solid interface: Fundamental aspects and practical applications. <i>Pure and Applied Chemistry</i> , <b>1995</b> , 67, 1075-1084	2.1	40
169	Synthesis and Configurational Analysis of a Novel Class of Cavitands Containing Four Dioxaphosphocin Moieties. <i>Journal of Organic Chemistry</i> , <b>1995</b> , 60, 235-242	4.2	40
168	Cavitand-grafted silicon microcantilevers as a universal probe for illicit and designer drugs in water. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9183-8	16.4	39
167	Host-guest-driven copolymerization of tetraphosphonate cavitands. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 14313-21	4.8	38
166	Measuring H-bonding in supramolecular complexes by gas phase ion-molecule reactions. <i>Chemical Communications</i> , <b>2007</b> , 3865-7	5.8	38
165	Grafting cavitands on the Si(100) surface. <i>Langmuir</i> , <b>2006</b> , 22, 11126-33	4	38
164	Inclusion of methano[60]fullerene derivatives in cavitand-based coordination cages. <i>Tetrahedron</i> , <b>2006</b> , 62, 2008-2015	2.4	38
163	Metal-directed self-assembly of cavitand frameworks. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 2617-24	4.2	37
162	New columnar liquid crystals Correlation between molecular structure and mesomorphic behaviour. <i>Liquid Crystals</i> , <b>1990</b> , 8, 639-649	2.3	37

161	Cavitand-functionalized porous silicon as an active surface for organophosphorus vapor detection. <i>Langmuir</i> , <b>2012</b> , 28, 1782-9	4	36
160	Switching from separated to contact ion-pair binding modes with diastereomeric calix[4]pyrrole bis-phosphonate receptors. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 13121-32	16.4	36
159	Sensitivity-selectivity balance in mass sensors: the case of metalloporphyrins. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 1281		36
158	Triptycene-Roofed Quinoxaline Cavitands for the Supramolecular Detection of BTEX in Air. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 3312-3319	4.8	35
157	Nanomechanical recognition of N-methylammonium salts. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2392-8	16.4	35
156	Supramolecular control of single-crystal-to-single-crystal transformation through selective guest exchange. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3064-8	4.8	35
155	Direct Observation of Surface-Controlled Self-Assembly of Coordination Cages by Using AFM as a Molecular Ruler. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 1892-1896	16.4	35
154	An electrochemiluminescence-supramolecular approach to sarcosine detection for early diagnosis of prostate cancer. <i>Faraday Discussions</i> , <b>2015</b> , 185, 299-309	3.6	34
153	Molecular recognition in the gas phase. <i>Pure and Applied Chemistry</i> , <b>1993</b> , 65, 1507-1512	2.1	34
152	Selective detection of organic compounds by means of cavitand-coated QCM transducers. <i>Sensors and Actuators B: Chemical</i> , <b>1995</b> , 24, 39-42	8.5	34
151	Hierarchical self-assembly on silicon. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4781-9	16.4	33
150	Self-assembly of nanosize coordination cages on si(100) surfaces. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 6891-8	4.8	33
149	Cavitands as superior sorbents for benzene detection at trace level. <i>New Journal of Chemistry</i> , <b>2003</b> , 27, 502-509	3.6	33
148	Design and self-assembly of ditopic and tetratopic cavitand complexes. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3136-48	4.8	33
147	Gas-Phase Ion-Molecule Reactions between a Series of Protonated Diastereomeric Cavitands and Neutral Amines Studied by ESI-FTICRMS: Gas-Phase Inclusion Complex Formation. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 10090-10100	16.4	33
146	Environmental Gas Sensing with Cavitands. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1010-1019	4.8	32
145	Functionalization of PEGylated Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles with tetraphosphonate cavitand for biomedical application. <i>Nanoscale</i> , <b>2013</b> , 5, 11438-46	7.7	32
144	Resorcinarene-based cavitands as building blocks for crystal engineering. <i>CrystEngComm</i> , <b>2016</b> , 18, 5788-5802	3.5	31

143	Host-Guest Driven Self-Assembly of Linear and Star Supramolecular Polymers. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 4580-4584	3.6	31
142	Optical sensing of the selective interaction of aromatic vapors with cavitands. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 97, 211-220	8.5	31
141	Thermodynamics of host-guest interactions between methylpyridinium salts and phosphonate cavitands. <i>Supramolecular Chemistry</i> , <b>2010</b> , 22, 768-775	1.8	30
140	Chemical sensing with cavitands: influence of cavity shape and dimensions on the detection of solvent vapors. <i>Sensors and Actuators B: Chemical</i> , <b>1996</b> , 35, 154-157	8.5	30
139	Conformationally blocked quinoxaline cavitand as solid-phase microextraction coating for the selective detection of BTEX in air. <i>Analytica Chimica Acta</i> , <b>2016</b> , 905, 79-84	6.6	29
138	CO <sub>2</sub> capture by multivalent amino-functionalized calix[4]arenes: self-assembly, absorption, and QCM detection studies. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 3720-32	4.2	29
137	Formation of tetrameric water clusters driven by a cavitand template. <i>Chemical Communications</i> , <b>2010</b> , 46, 88-90	5.8	29
136	Host-guest complexation in the gas phase. Investigation of the mechanism of interaction between cavitands and neutral guest molecules. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1995</b> , 1069-1076		29
135	Removal of organic pollutants from water via molecular inclusion within a cavitand. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>1992</b> , 13, 87-92		29
134	Polyethylene vitrimers via silyl ether exchange reaction. <i>Polymer</i> , <b>2020</b> , 199, 122567	3.9	29
133	Ion-pair complexation with a cavitand receptor. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 7813-9	4.8	28
132	Thickness Dependence of the Optical Anisotropy for Porphyrin Octaester Langmuir-Schaefer Films. <i>Langmuir</i> , <b>2002</b> , 18, 6881-6886	4	28
131	Synthesis and configurational analysis of phosphorus bridged cavitands. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 1685-1688	2	28
130	Proacetylenic reactivity of a push-pull buta-1,2,3-triene: new chromophores and supramolecular systems. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1185-90	4.5	27
129	Vacuum-Evaporated Cavitand Sensors: Dissecting Specific from Nonspecific Interactions in Ethanol Detection. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6535-6542	9.6	27
128	Reprocessable vinylous urethane cross-linked polyethylene via reactive extrusion. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 5534-5542	4.9	27
127	Cavitand-based solid-phase microextraction coating for the selective detection of nitroaromatic explosives in air and soil. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 10646-52	7.8	26
126	Diastereoselective formation of host-guest complexes between a series of phosphate-bridged cavitands and alkyl- and arylammonium ions studied by liquid secondary-ion mass spectrometry. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 2034-42	4.8	26

125	Synthesis and Mesogenic Properties of Porphyrin Octaesters. <i>European Journal of Organic Chemistry</i> , <b>1999</b> , 1999, 1527-1539	3.2	26
124	Supramolecular interactions on mass sensitive sensors in gas phases and liquids. <i>Sensors and Actuators B: Chemical</i> , <b>1996</b> , 34, 305-311	8.5	26
123	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2006</b> , 55, 828-834	5.2	25
122	Polymer Blending through Host-Guest Interactions. <i>Macromolecules</i> , <b>2014</b> , 47, 632-638	5.5	24
121	MOS-based artificial olfactory system for the assessment of egg products freshness. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 125, 40-47	8.5	24
120	Synthesis and Coordination Chemistry of Lower Rim Cavitand Ligands. <i>European Journal of Organic Chemistry</i> , <b>2001</b> , 2001, 2311-2320	3.2	24
119	In Search of the Ultimate Benzene Sensor: The EtQxBox Solution. <i>ACS Sensors</i> , <b>2017</b> , 2, 590-598	9.2	23
118	Tuning of a Vertical Spin Valve with a Monolayer of Single Molecule Magnets. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703600	15.6	23
117	Self-complementary phosphonate cavitands. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 3923-6	4.2	23
116	Anionen bindende Resorcinaren-Cavitanden: die Bedeutung von C-H...Anion-Wechselwirkungen. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 800-804	3.6	23
115	New trisubstituted cyclopentadienyl ligands: synthesis, characterisation and catalytic properties of mono and dinuclear cobalt, rhodium, iron and ruthenium complexes. <i>Journal of Organometallic Chemistry</i> , <b>2001</b> , 619, 179-193	2.3	23
114	Deuterium NMR investigation of a new class of macrocyclic columnar liquid crystal. <i>Liquid Crystals</i> , <b>1991</b> , 9, 277-284	2.3	23
113	Cavitands Endow All-Dielectric Beads With Selectivity for Plasmon-Free Enhanced Raman Detection of NEMethylated Lysine. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 14944-51	9.5	22
112	Strain Field Self-Diagnostic Poly(dimethylsiloxane) Elastomers. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 7450-7457	5.7	22
111	Cavitand-Based Coordination Cages: Achievements and Current Challenges. <i>Israel Journal of Chemistry</i> , <b>2011</b> , 51, 781-797	3.4	22
110	Molecular recognition of halogen-tagged aromatic VOCs at the air-silicon interface. <i>Chemical Communications</i> , <b>2010</b> , 46, 288-90	5.8	21
109	Synthesis and configurational analysis of phosphonate cavitands. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1998</b> , 671-678		21
108	Electrochemically controlled formation/dissociation of phosphonate-cavitand/methylpyridinium complexes. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8964-71	4.8	21

107	Cavitand-coated PZT resonant piezo-layer sensors: properties, structure, and comparison with QCM sensors at different temperatures under exposure to organic vapors. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 103, 240-246	8.5	21
106	Investigation of the origin of selectivity in cavitand-based supramolecular sensors. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 5388-95	4.8	21
105	A new, conformationally mobile macrocyclic core for bowl-shaped columnar liquid crystals. <i>Liquid Crystals</i> , <b>1992</b> , 11, 93-100	2.3	21
104	Probing lysine mono-methylation in histone H3 tail peptides with an abiotic receptor coupled to a non-plasmonic resonator. <i>Nanoscale</i> , <b>2017</b> , 9, 8639-8646	7.7	20
103	Rapid and Simultaneous Analysis of Xanthines and Polyphenols as Bitter Taste Markers in Bakery Products by FT-NIR Spectroscopy. <i>Food Analytical Methods</i> , <b>2013</b> , 6, 17-27	3.4	20
102	Solvoconductivity of Polyconjugated Polymers: The Roles of Polymer Oxidation Degree and Solvent Electrical Permittivity. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4768-4774	9.6	20
101	Molecular Reorganization in Langmuir-Blodgett Films of Mesogenic Zn Porphyrin Octaesters. <i>Langmuir</i> , <b>2000</b> , 16, 7726-7730	4	19
100	Dynamic Cross-Linking of Polyethylene via Sextuple Hydrogen Bonding Array. <i>Macromolecules</i> , <b>2018</b> , 51, 7680-7691	5.5	19
99	Sensing vase-to-kite switching of cavitands by sum-frequency vibrational spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 12610-1	16.4	18
98	Dynamic Materials through Metal-Directed and Solvent-Driven Self-Assembly of Cavitands. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 1422-1425	3.6	18
97	A hierarchical classification scheme for an Electronic Nose. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 69, 359-365	8.5	18
96	Synthesis and Configurational Analysis of Mixed-bridged Phosphate Cavitands. <i>Supramolecular Chemistry</i> , <b>1998</b> , 9, 305-316	1.8	18
95	Langmuir-Blodgett films of mesogenic porphyrin derivatives. <i>Thin Solid Films</i> , <b>1996</b> , 284-285, 204-207	2.2	18
94	Multifunctional magnetic nanoparticles for enhanced intracellular drug transport. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 4134-4145	7.3	17
93	Self-assembly of a cavitand-based heteronuclear coordination cage. <i>Tetrahedron</i> , <b>2009</b> , 65, 7289-7295	2.4	17
92	A fluorescent probe for ecstasy. <i>Chemical Communications</i> , <b>2015</b> , 51, 12799-802	5.8	16
91	Hierarchical Route for the Fabrication of Cavitand-Modified Nanostructured ZnO Fibers for Volatile Organic Compound Detection. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 12611-12617	3.8	16
90	Cucurbit[7]uril-Dimethyllysine Recognition in a Model Protein. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7244-7248	3.6	15



89	Supramolecular sensing of short chain alcohols with mixed-bridged thio-phosphonate cavitands. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 179, 74-80	8.5	15
88	Production of novel microporous porphyrin materials with superior sensing capabilities. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 5647		15
87	Synthesis of Partially Bridged Phosphonate and Thiophosphonate Resorcinarenes. <i>Supramolecular Chemistry</i> , <b>2008</b> , 20, 29-34	1.8	14
86	ESI-FTICR mass spectrometric study of alcohol complexation properties of mono- and diphosphonate-bridged cavitands. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2006</b> , 17, 213-215		14
85	Molecular Recognition with Ditopic Cavitand Re Complexes. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 2629-2642	3.2	12
84	Hydrogen bonding in phosphonate cavitands: investigation of host-guest complexes with ammonium salts. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2010</b> , 21, 440-50	3.5	12
83	Palladium-catalyzed norbornene-carbon monoxide co-oligomerization initiated by aryl groups and terminated by double bond formation. <i>Journal of Organometallic Chemistry</i> , <b>1992</b> , 437, 375-388	2.3	12
82	Selective discrimination and classification of G-quadruplex structures with a host-guest sensing array. <i>Nature Chemistry</i> , <b>2021</b> , 13, 488-495	17.6	12
81	Adsorptive-Stripping Voltammetry at PEDOT-Modified Electrodes. Determination of Epicatechin. <i>Food Analytical Methods</i> , <b>2014</b> , 7, 754-760	3.4	11
80	Tetraphosphonate cavitands: interplay between metal coordination and H-bonding in the formation of dimeric capsules. <i>CrystEngComm</i> , <b>2010</b> , 12, 2057	3.3	11
79	Damage-Reporting Carbon Fiber Epoxy Composites. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 2990-2997	4.3	10
78	Iodinated Bis(phthalocyaninato)terbium(III) Complexes: Versatile Platforms for Functionalization of Single-Molecule Magnets through Sonogashira Reaction. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 7036-7042	3.2	10
77	Guest-controlled aggregation of cavitand gold nanoparticles and N-methyl pyridinium-terminated PEG. <i>Chemical Communications</i> , <b>2011</b> , 47, 6596-8	5.8	10
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75	Mechanics of responsive polymers via conformationally switchable molecules. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2018</b> , 113, 65-81	5	8
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29	Metal ion complexation by tetrakisphosphonate cavitands: The influence of the ionic radius. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 470, 250-253	2.7	2
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25	Direct Observation of Surface-Controlled Self-Assembly of Coordination Cages by Using AFM as a Molecular Ruler We acknowledge the Nanolink Program of the MESA(+) Research Institute (University of Twente), the CNR Nanotechnology Programme, and MURST (Project Molecular Nanoelectronics) for financial support of this work. A special thanks goes to Dr. Maik Liebau (University of Twente) for the preparation of the microcontact-printed substrates and Dr. Frank Geurts (AKZO NOBEL, Central Research Arnhem, NL) for <i>L. Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 1892-1896	16.4	2
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