Enrico Dalcanale

List of Publications by Year
in descending order

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211 papers	8,163 citations	50244 46 h-index	62565 80 g-index
230 all docs	230 docs citations	230 times ranked	6046 citing authors

#	Article	IF	Citations
1	Reusable Cavitandâ€Based Electrospun Membranes for the Removal of Polycyclic Aromatic Hydrocarbons from Water. Small, 2022, 18, e2104946.	5.2	8
2	Encapsulation of Trimethine Cyanine in Cucurbit[8]uril: Solution versus Solidâ€State Inclusion Behavior. Chemistry - A European Journal, 2022, , .	1.7	4
3	Ultra-sensitive solid-phase Microextractionâ€“Gas Chromatographyâ€“Mass spectrometry determination of polycyclic aromatic hydrocarbons in snow samples using a deep cavity BenzoQxCavitand. Chemosphere, 2022, 303, 135144.	4.2	5
4	Tuning the conformational flexibility of quinoxaline cavitands for complexation at the gasâ€“solid interface. Chemical Communications, 2022, 58, 7554-7557.	2.2	4
5	Cavitand Decorated Silica as a Selective Preconcentrator for BTEX Sensing in Air. Nanomaterials, 2022, 12, 2204.	1.9	1
6	Multidentate, Vâ€Shaped Pyridine Building Blocks as Tectons for Crystal Engineering. Chemistry - A European Journal, 2021, 27, 4660-4669.	1.7	2
7	The Role of Chain Length in Cucurbit[8]uril Complexation of Methyl Alkyl Viologens. European Journal of Organic Chemistry, 2021, 2021, 1547-1552.	1.2	4
8	Selective discrimination and classification of G-quadruplex structures with a hostâ€“guest sensing array. Nature Chemistry, 2021, 13, 488-495.	6.6	48
9	Methyl Hexadecyl Viologen Inclusion in Cucurbit[8]uril: Coexistence of Three Hostâ€“Guest Complexes with Different Stoichiometry in a Highly Hydrated Crystal. Crystal Growth and Design, 2021, 21, 3650-3655.	1.4	6
10	Synthesis of quinoxaline cavitand baskets. Supramolecular Chemistry, 2021, 33, 97-106.	1.5	4
11	Hierarchical self-assembly and controlled disassembly of a cavitand-based hostâ€“guest supramolecular polymer. Polymer Chemistry, 2021, 12, 389-401.	1.9	3
12	Combined Approach of Mechanochemistry and Electron Crystallography for the Discovery of 1D and 2D Coordination Polymers. Crystal Growth and Design, 2021, 21, 6660-6664.	1.4	5
13	Mechanicallyâ€Driven Vaseâ€“Kite Conformational Switch in Cavitand Crossâ€Linked Polyurethanes. ChemistryOpen, 2020, 9, 261-268.	0.9	9
14	Polyethylene vitrimers via silyl ether exchange reaction. Polymer, 2020, 199, 122567.	1.8	57
15	Hyphenation of a MEMS based pre-concentrator and GC-IMS. Talanta, 2019, 191, 141-148.	2.9	9
16	Solvent-responsive cavitand lanthanum complex. Dalton Transactions, 2019, 48, 13732-13739.	1.6	2
17	Damage-Reporting Carbon Fiber Epoxy Composites. ACS Applied Polymer Materials, 2019, 1, 2990-2997.	2.0	21
18	Velcrand Functionalized Polyethylene. Molecules, 2019, 24, 902.	1.7	2

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19	Physically cross-linked polyethylene via reactive extrusion. Polymer Chemistry, 2019, 10, 1741-1750.	1.9	12
20	Reprocessable vinylogous urethane cross-linked polyethylene via reactive extrusion. Polymer Chemistry, 2019, 10, 5534-5542.	1.9	56
21	Strain-reporting pyrene-grafted polyethylene. European Polymer Journal, 2019, 111, 69-73.	2.6	7
22	A new, deep quinoxaline-based cavitand receptor for the complexation of benzene. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 103-108.	0.2	0
23	Cucurbit[7]urilâ€Dimethyllysine Recognition in a Model Protein. Angewandte Chemie, 2018, 130, 7244-7248.	1.6	15
24	Cucurbit[7]urilâ€Dimethyllysine Recognition in a Model Protein. Angewandte Chemie - International Edition, 2018, 57, 7126-7130.	7.2	56
25	Mechanics of responsive polymers via conformationally switchable molecules. Journal of the Mechanics and Physics of Solids, 2018, 113, 65-81.	2.3	10
26	Frontispiece: Environmental Gas Sensing with Cavitands. Chemistry - A European Journal, 2018, 24, .	1.7	0
27	Inherently chiral phosphonate cavitands as enantioselective receptors for mono-methylated L-amino acids. Supramolecular Chemistry, 2018, 30, 600-609.	1.5	6
28	Environmental Gas Sensing with Cavitands. Chemistry - A European Journal, 2018, 24, 1010-1019.	1.7	42
29	Selfâ€Assembly of TbPc₂ Singleâ€Molecule Magnets on Surface through Multiple Hydrogen Bonding. Small, 2018, 14, 1702572.	5.2	17
30	Probing the Structural Determinants of Amino Acid Recognition: X-Ray Studies of Crystalline Ditopic Host-Guest Complexes of the Positively Charged Amino Acids, Arg, Lys, and His with a Cavitand Molecule. Molecules, 2018, 23, 3368.	1.7	7
31	Fluorinated Tetraphosphonate Cavitands. Molecules, 2018, 23, 2670.	1.7	3
32	Dynamic Cross-Linking of Polyethylene via Sextuple Hydrogen Bonding Array. Macromolecules, 2018, 51, 7680-7691.	2.2	37
33	Biochemical sensing with macrocyclic receptors. Chemical Society Reviews, 2018, 47, 7006-7026.	18.7	136
34	pH-Driven Conformational Switching of Quinoxaline Cavitands in Polymer Matrices. Synlett, 2018, 29, 2503-2508.	1.0	8
35	Assessment of EtQxBox complexation in solution by steady-state and time-resolved fluorescence spectroscopy. RSC Advances, 2018, 8, 16314-16318.	1.7	3
36	Sensing of halogenated aromatic hydrocarbons in water with a cavitand coated piezoelectric device. Sensors and Actuators B: Chemical, 2018, 276, 340-348.	4.0	10

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37	Cavitand-Decorated Silicon Columnar Nanostructures for the Surface Recognition of Volatile Nitroaromatic Compounds. ACS Omega, 2018, 3, 9172-9181.	1.6	7
38	Metal ion complexation by tetraphosphonate cavitands: The influence of the ionic radius. Inorganica Chimica Acta, 2018, 470, 250-253.	1.2	4
39	Formation of TbPc₂ Single-Molecule Magnetsâ€™ Covalent 1D Structures via Acyclic Diene Metathesis. ACS Omega, 2017, 2, 517-521.	1.6	4
40	Probing lysine mono-methylation in histone H3 tail peptides with an abiotic receptor coupled to a non-plasmonic resonator. Nanoscale, 2017, 9, 8639-8646.	2.8	24
41	Enantiospecific recognition of 2-butanol by an inherently chiral cavitand in the solid state. CrystEngComm, 2017, 19, 3355-3361.	1.3	2
42	In Search of the Ultimate Benzene Sensor: The EtQxBox Solution. ACS Sensors, 2017, 2, 590-598.	4.0	29
43	Tuning of a Vertical Spin Valve with a Monolayer of Single Molecule Magnets. Advanced Functional Materials, 2017, 27, 1703600.	7.8	34
44	Strain Field Self-Diagnostic Poly(dimethylsiloxane) Elastomers. Chemistry of Materials, 2017, 29, 7450-7457.	3.2	27
45	Cavitands. , 2017, , 87-115.		1
46	Redox Switchable Thianthrene Cavitands. Synthesis, 2016, 49, 358-364.	1.2	3
47	Triptycene-Roofed Quinoxaline Cavitands for the Supramolecular Detection of BTEX in Air. Chemistry - A European Journal, 2016, 22, 3189-3189.	1.7	0
48	Hierarchical Route for the Fabrication of Cavitand-Modified Nanostructured ZnO Fibers for Volatile Organic Compound Detection. Journal of Physical Chemistry C, 2016, 120, 12611-12617.	1.5	19
49	Electrochemical decompatibilisation leads to morphology rearrangements in hostâ€“guest polymer blend films. Soft Matter, 2016, 12, 5353-5358.	1.2	3
50	Probing Molecular Recognition at the Solidâ€“Gas Interface by Sum-Frequency Vibrational Spectroscopy. Journal of Physical Chemistry Letters, 2016, 7, 3022-3026.	2.1	5
51	Diphosphonate cavitands as molecular cups forl-lactic acid. CrystEngComm, 2016, 18, 4958-4963.	1.3	5
52	Triptyceneâ€Roofed Quinoxaline Cavitands for the Supramolecular Detection of BTEX in Air. Chemistry - A European Journal, 2016, 22, 3312-3319.	1.7	42
53	Orthogonal Sensing of Small Molecules Using a Modular Nanoparticleâ€Based Assay. ChemNanoMat, 2016, 2, 489-493.	1.5	5
54	The Origin of Selectivity in the Complexation of N-Methyl Amino Acids by Tetraphosphonate Cavitands. Journal of the American Chemical Society, 2016, 138, 8569-8580.	6.6	60

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55	Resorcinarene-based cavitands as building blocks for crystal engineering. CrystEngComm, 2016, 18, 5788-5802.	1.3	37
56	Cavitands Endow All-Dielectric Beads With Selectivity for Plasmon-Free Enhanced Raman Detection of N_{Îµ}-Methylated Lysine. ACS Applied Materials & Interfaces, 2016, 8, 14944-14951.	4.0	24
57	Conformationally blocked quinoxaline cavitand as solid-phase microextraction coating for the selective detection of BTEX in air. Analytica Chimica Acta, 2016, 905, 79-84.	2.6	35
58	Iodinated Bis(phthalocyaninato)terbium(III) Complexes: Versatile Platforms for Functionalization of Singleâ€Molecule Magnets through Sonogashira Reaction. European Journal of Organic Chemistry, 2015, 2015, 7036-7042.	1.2	11
59	The Effect of Number and Position of P=O/P=S Bridging Units on Cavitand Selectivity toward Methyl Ammonium Salts. Molecules, 2015, 20, 4460-4472.	1.7	4
60	pH-responsive hostâ€“guest polymerization and blending. RSC Advances, 2015, 5, 11334-11342.	1.7	6
61	A fluorescent probe for ecstasy. Chemical Communications, 2015, 51, 12799-12802.	2.2	18
62	An electrochemiluminescence-supramolecular approach to sarcosine detection for early diagnosis of prostate cancer. Faraday Discussions, 2015, 185, 299-309.	1.6	45
63	Multifunctional magnetic nanoparticles for enhanced intracellular drug transport. Journal of Materials Chemistry B, 2015, 3, 4134-4145.	2.9	20
64	A Rotaxaneâ€Like Supramolecular Assembly Featuring Orthogonal Recognition Modes. Asian Journal of Organic Chemistry, 2015, 4, 204-207.	1.3	0
65	In situ metalation of free base phthalocyanine covalently bonded to silicon surfaces. Beilstein Journal of Nanotechnology, 2014, 5, 2222-2229.	1.5	9
66	Hierarchical Selfâ€Assembly of Luminescent Eu^{III} Complexes on Silicon. European Journal of Inorganic Chemistry, 2014, 2014, 2687-2694.	1.0	6
67	Selectivity assessment in hostâ€“guest complexes from single-crystal X-ray diffraction data: the cavitandâ€“alcohol case. CrystEngComm, 2014, 16, 10987-10996.	1.3	5
68	Adsorptive-Stripping Voltammetry at PEDOT-Modified Electrodes. Determination of Epicatechin. Food Analytical Methods, 2014, 7, 754-760.	1.3	17
69	Design and synthesis of a cavitand pillar for MOFs. Supramolecular Chemistry, 2014, 26, 151-156.	1.5	3
70	Probing Cavitandâ€“Organosilane Hybrid Bilayers via Sum-Frequency Vibrational Spectroscopy. Langmuir, 2014, 30, 12843-12849.	1.6	3
71	Cavitand-Based Solid-Phase Microextraction Coating for the Selective Detection of Nitroaromatic Explosives in Air and Soil. Analytical Chemistry, 2014, 86, 10646-10652.	3.2	28
72	Polymer Blending through Hostâ€“Guest Interactions. Macromolecules, 2014, 47, 632-638.	2.2	28

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73	Magnetic behaviour of TbPc2 single-molecule magnets chemically grafted on silicon surface. Nature Communications, 2014, 5, 4582.	5.8	115
74	Cavitandâ€Grafted Silicon Microcantilevers as a Universal Probe for Illicit and Designer Drugs in Water. Angewandte Chemie - International Edition, 2014, 53, 9183-9188.	7.2	49
75	Detection of Olfactory Traces by Orthogonal Gas Identification Technologies - DOGGIES. , 2014, , .		2
76	A New Sensitive and Fast Detection System for Amphetamine Type Stimulants (ATS), Based on Gas-Chromatography (GC) and Hollow Fiber Infrared Absorption Spectroscopy (HF-IRAS). Lecture Notes in Electrical Engineering, 2014, , 177-182.	0.3	0
77	Functionalization of PEGylated Fe3O4 magnetic nanoparticles with tetraphosphonate cavitand for biomedical application. Nanoscale, 2013, 5, 11438.	2.8	34
78	Supramolecular sensing of short chain alcohols with mixed-bridged thio-phosphonate cavitands. Sensors and Actuators B: Chemical, 2013, 179, 74-80.	4.0	16
79	Supramolecular Sensing with Phosphonate Cavitands. Accounts of Chemical Research, 2013, 46, 399-411.	7.6	110
80	Surface ionization detection of amine containing drugs. Sensors and Actuators B: Chemical, 2013, 185, 771-776.	4.0	8
81	Rapid and Simultaneous Analysis of Xanthines and Polyphenols as Bitter Taste Markers in Bakery Products by FT-NIR Spectroscopy. Food Analytical Methods, 2013, 6, 17-27.	1.3	24
82	Rapid screening and identification of illicit drugs by IR absorption spectroscopy and gas chromatography. Proceedings of SPIE, 2013, , .	0.8	12
83	Detection of amphetamine precursors with quinoxaline-bridged cavitands. Supramolecular Chemistry, 2013, 25, 682-687.	1.5	10
84	Calixarenes-Based Supramolecular Polymers. , 2013, , 1-17.		1
85	Cavitand-Functionalized SWCNTs for N-Methylammonium Detection. Journal of the American Chemical Society, 2012, 134, 6540-6543.	6.6	63
86	Exclusive recognition of sarcosine in water and urine by a cavitand-functionalized silicon surface. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2263-2268.	3.3	61
87	Nanomechanical Recognition of N-Methylammonium Salts. Journal of the American Chemical Society, 2012, 134, 2392-2398.	6.6	36
88	Production of novel microporous porphyrin materials with superior sensing capabilities. Journal of Materials Chemistry, 2012, 22, 5647.	6.7	16
89	Cavitand-Functionalized Porous Silicon as an Active Surface for Organophosphorus Vapor Detection. Langmuir, 2012, 28, 1782-1789.	1.6	36
90	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

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91	Proacetylenic Reactivity of a Pushâ€"Pull Butaâ€1,2,3â€triene: New Chromophores and Supramolecular Systems. Chemistry - an Asian Journal, 2012, 7, 1185-1190.	1.7	28
92	CO2Capture by Multivalent Amino-Functionalized Calix[4]arenes: Self-Assembly, Absorption, and QCM Detection Studies. Journal of Organic Chemistry, 2011, 76, 3720-3732.	1.7	32
93	Guest-controlled aggregation of cavitand gold nanoparticles and N-methyl pyridinium-terminated PEG. Chemical Communications, 2011, 47, 6596.	2.2	10
94	Cavitandâ€Based Coordination Cages: Achievements and Current Challenges. Israel Journal of Chemistry, 2011, 51, 781-797.	1.0	24
95	Molecular Recognition with Ditopic Cavitand Re Complexes. European Journal of Organic Chemistry, 2011, 2011, 2629-2642.	1.2	12
96	Highly Selective Chemical Vapor Sensing by Molecular Recognition: Specific Detection of C₁â€"C₄ Alcohols with a Fluorescent Phosphonate Cavitand. Angewandte Chemie - International Edition, 2011, 50, 4654-4657.	7.2	54
97	Supramolecular Control of Singleâ€Crystalâ€toâ€Singleâ€Crystal Transformation through Selective Guest Exchange. Chemistry - A European Journal, 2011, 17, 3064-3068.	1.7	39
98	Hydrogen bonding in phosphonate cavitands: Investigation of host-guest complexes with ammonium salts. Journal of the American Society for Mass Spectrometry, 2010, 21, 440-450.	1.2	14
99	Ionâ€Pair Complexation with a Cavitand Receptor. Chemistry - A European Journal, 2010, 16, 7813-7819.	1.7	28
100	Hostâ€"Guestâ€Driven Copolymerization of Tetraphosphonate Cavitands. Chemistry - A European Journal, 2010, 16, 14313-14321.	1.7	44
101	Interplay Between Cyclization and Polymerization in Ditopic Cavitand Monomers. Australian Journal of Chemistry, 2010, 63, 646.	0.5	3
102	Thermodynamics of hostâ€"guest interactions between methylpyridinium salts and phosphonate cavitands. Supramolecular Chemistry, 2010, 22, 768-775.	1.5	33
103	Formation of tetrameric waterclusters driven by a cavitand template. Chemical Communications, 2010, 46, 88-90.	2.2	32
104	Tetraphosphonate cavitands: interplay between metal coordination and H-bonding in the formation of dimeric capsules. CrystEngComm, 2010, 12, 2057.	1.3	13
105	Molecular recognition of halogen-tagged aromatic VOCs at the airâ€"silicon interface. Chemical Communications, 2010, 46, 288-290.	2.2	23
106	Hierarchical Self-Assembly on Silicon. Journal of the American Chemical Society, 2010, 132, 4781-4789.	6.6	36
107	Singleâ€Moleculeâ€Magnet Carbonâ€Nanotube Hybrids. Angewandte Chemie - International Edition, 2009, 48, 746-750.	7.2	90
108	Real-time monitoring of sub-ppb concentrations of aromatic volatiles with a MEMS-enabled miniaturized gas-chromatograph. Sensors and Actuators B: Chemical, 2009, 141, 322-328.	4.0	190

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109	Self-assembly of a cavitand-based heteronuclear coordination cage. Tetrahedron, 2009, 65, 7289-7295.	1.0	19
110	Molecular Recognition on a Cavitand-Functionalized Silicon Surface. Journal of the American Chemical Society, 2009, 131, 7447-7455.	6.6	58
111	Self-Complementary Phosphonate Cavitands. Journal of Organic Chemistry, 2009, 74, 3923-3926.	1.7	24
112	Highly Selective Monomethylation of Primary Amines Through Hostâˆ'Guest Product Sequestration. Journal of the American Chemical Society, 2009, 131, 2452-2453.	6.6	69
113	Supramolecular Sensing with Phosphonate Cavitands. Chemistry - A European Journal, 2008, 14, 5772-5779.	1.7	74
114	Electrochemically Controlled Formation/Dissociation of Phosphonateâ€Cavitand/Methylpyridinium Complexes. Chemistry - A European Journal, 2008, 14, 8964-8971.	1.7	21
115	Anion Binding to Resorcinareneâ€Based Cavitands: The Importance of Cï£¿Hâ‹…â‹…â‹…Anion Interactions. Angewandte Chemie - International Edition, 2008, 47, 788-792.	7.2	132
116	Hostâ€"Guest Driven Selfâ€Assembly of Linear and Star Supramolecular Polymers. Angewandte Chemie - International Edition, 2008, 47, 4504-4508.	7.2	115
117	Vacuum-Evaporated Cavitand Sensors: Dissecting Specific from Nonspecific Interactions in Ethanol Detection. Chemistry of Materials, 2008, 20, 6535-6542.	3.2	29
118	Innovative Cavitand-Based Solâˆ'Gel Coatings for the Environmental Monitoring of Benzene and Chlorobenzenes via Solid-Phase Microextraction. Analytical Chemistry, 2008, 80, 6423-6430.	3.2	53
119	Fully reversible guest exchange in tetraphosphonate cavitand complexes probed by fluorescence spectroscopy. Chemical Communications, 2008, , 1638.	2.2	61
120	Synthesis of Partially Bridged Phosphonate and Thiophosphonate Resorcinarenes. Supramolecular Chemistry, 2008, 20, 29-34.	1.5	15
121	Introduction of Water-Solubilizing Groups at the Lower Rim of Tolylpyridine-Bridged Cavitands. Supramolecular Chemistry, 2007, 19, 67-74.	1.5	3
122	A supramolecular approach to sub-ppb aromatic VOC detection in air. Chemical Communications, 2007, , 2790.	2.2	49
123	Measuring H-bonding in supramolecular complexes by gas phase ionâ€"molecule reactions. Chemical Communications, 2007, , 3865.	2.2	41
124	Molecular recognition at the gasâ€"solid interface: a powerful tool for chemical sensing. Chemical Society Reviews, 2007, 36, 695-706.	18.7	133
125	Supramolecular surface plasmon resonance (SPR) sensors for organophosphorus vapor detection. Journal of Materials Chemistry, 2007, 17, 1809.	6.7	43
126	Self-Assembly of Nanosize Coordination Cages on Si(100) Surfaces. Chemistry - A European Journal, 2007, 13, 6891-6898.	1.7	36

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127	MOS-based artificial olfactory system for the assessment of egg products freshness. Sensors and Actuators B: Chemical, 2007, 125, 40-47.	4.0	27
128	Sensing Vase-to-Kite Switching of Cavitands by Sum-Frequency Vibrational Spectroscopy. Journal of the American Chemical Society, 2006, 128, 12610-12611.	6.6	23
129	Grafting Cavitands on the Si(100) Surface. Langmuir, 2006, 22, 11126-11133.	1.6	41
130	Metal-Directed Self-Assembly of Cavitand Frameworks. Journal of Organic Chemistry, 2006, 71, 2617-2624.	1.7	38
131	ESI-FTICR mass spectrometric study of alcohol complexation properties of mono- and diphosphonate-bridged cavitands. Journal of the American Society for Mass Spectrometry, 2006, 17, 213-221.	1.2	15
132	Inclusion of methano[60]fullerene derivatives in cavitand-based coordination cages. Tetrahedron, 2006, 62, 2008-2015.	1.0	41
133	In-Liquid Sensing of Chemical Compounds by QCM Sensors Coupled With High-Accuracy ACC Oscillator. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 828-834.	2.4	33
134	Conformational Behavior of Pyrazine-Bridged and Mixed-Bridged Cavitands: A General Model for Solvent Effects on Thermal â€œVaseâ€“Kiteâ€•Switching. Chemistry - A European Journal, 2006, 12, 4775-4784.	1.7	75
135	A palm-sized gas-chromatographic system for sub-ppb VOC detection in air quality monitoring applications. , 2006, , .		1
136	Design and Self-Assembly of Ditopic and Tetratopic Cavitand Complexes. Chemistry - A European Journal, 2005, 11, 3136-3148.	1.7	33
137	Dynamic and Structural NMR Studies of Cavitand-Based Coordination Cages. Journal of the American Chemical Society, 2005, 127, 7025-7032.	6.6	69
138	Proton Driven Vase-to-Kite Conformational Change in Cavitands at an Airâˆ'Water Interface Monitored by Surface SHG. Langmuir, 2005, 21, 7066-7070.	1.6	9
139	Self-Assembled Metallo-Capsules Based on Cavitands. , 2004, , 1-11.		0
140	Cavitand-coated PZT resonant piezo-layer sensors: properties, structure, and comparison with QCM sensors at different temperatures under exposure to organic vapors. Sensors and Actuators B: Chemical, 2004, 103, 240-246.	4.0	22
141	Cavitands at Work: From Molecular Recognition to Supramolecular Sensors. European Journal of Organic Chemistry, 2004, 2004, 451-462.	1.2	116
142	Design and Preparation of Mesogenic Cavitands.. ChemInform, 2004, 35, no.	0.1	0
143	Surface-Confined Single Molecules: Assembly and Disassembly of Nanosize Coordination Cages on Gold (111). Chemistry - A European Journal, 2004, 10, 2199-2206.	1.7	74
144	Optical sensing of the selective interaction of aromatic vapors with cavitands. Sensors and Actuators B: Chemical, 2004, 97, 211-220.	4.0	32

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145	Sensitivity-selectivity balance in mass sensors: the case of metalloporphyrins. Journal of Materials Chemistry, 2004, 14, 1281.	6.7	41
146	Cavitand-Based Nanoscale Coordination Cages. Journal of the American Chemical Society, 2004, 126, 6516-6517.	6.6	143
147	Design and Preparation of Mesogenic Cavitands. Collection of Czechoslovak Chemical Communications, 2004, 69, 1362-1380.	1.0	7
148	COMPARATIVE EXPERIMENTS ON CAVITAND-COATED PZT RESONANT PIEZO-LAYER AND QCM SENSORS EXPOSED TO ORGANIC VAPORS. , 2004, , .		3
149	Influence of Cavity Depth on the Responses of SPR Sensors Coated with Self-Assembled Monolayers of Cavitands. Sensor Letters, 2004, 2, 186-193.	0.4	10
150	Cavitands as superior sorbents for benzene detection at trace levelElectronic supplementary information (ESI) available: synthetic procedures for the preparation of cavitands 2, 3; 29Si and 13C CP/MAS NMR spectra of MeCav and QxCav coated silica; desorption pattern of BTX observed for Tenax TAÂ® at 50â€‰Â°C; GC traces obtained from the desorption at 75â€‰Â°C of the BTX mixture trapped on AXCav trap and Carbotrap 100Â®. See http://www.rsc.org/suppdata/nj/b2/b210942e/. New Journal of Chemistry, 2003, 27, 502-509.	1.4	36
151	Dynamic Materials through Metal-Directed and Solvent-Driven Self-Assembly of Cavitands. Angewandte Chemie, 2003, 115, 1422-1425.	1.6	18
152	Investigation of the Origin of Selectivity in Cavitand-Based Supramolecular Sensors. Chemistry - A European Journal, 2003, 9, 5388-5395.	1.7	24
153	Dynamic Materials through Metal-Directed and Solvent-Driven Self-Assembly of Cavitands. Angewandte Chemie - International Edition, 2003, 42, 1384-1387.	7.2	81
154	Orientation of cavitands at air/water and air/solid interfaces studied by second harmonic generation. Chemical Physics Letters, 2003, 381, 322-328.	1.2	9
155	Potential-Driven Conductivity of Polypyrroles, Poly-N-Alkylpyrroles, and Polythiophenes:â€‰ Role of the Pyrrole NH Moiety in the Doping-Charge Dependence of Conductivity. Chemistry of Materials, 2003, 15, 4642-4650.	3.2	44
156	Rational Design of Cavitand Receptors for Mass Sensors. Journal of the American Chemical Society, 2003, 125, 12068-12069.	6.6	49
157	Effect of Thin Film Processing on Cavitand Selectivity. Langmuir, 2003, 19, 10454-10456.	1.6	8
158	Design and self-assembly of wide and robust coordination cages. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4911-4915.	3.3	91
159	Thickness Dependence of the Optical Anisotropy for Porphyrin Octaester Langmuirâˆ’Schaefer Filmsâ€. Langmuir, 2002, 18, 6881-6886.	1.6	34
160	Solvoconductivity of Polyconjugated Polymers:â€‰ The Roles of Polymer Oxidation Degree and Solvent Electrical Permittivity. Chemistry of Materials, 2002, 14, 4768-4774.	3.2	27
161	Cavitand-based supramolecular sensors for the detection of acetates. Journal of Supramolecular Chemistry, 2002, 2, 97-106.	0.4	7
162	Structure-dependent optical anisotropy of porphyrin Langmuirâ€“Schaefer films. Surface Science, 2002, 521, L645-L649.	0.8	5

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163	An approach for fabrication of junctions with Langmuirâ€"Blodgett films incorporated between molecular electrodes. Thin Solid Films, 2002, 405, 276-289.	0.8	9
164	Self-Assembly and Anion Encapsulation Properties of Cavitand-Based Coordination Cages. Journal of the American Chemical Society, 2001, 123, 7539-7552.	6.6	193
165	Enlarged cavitand-based coordination cages. Tetrahedron Letters, 2001, 42, 527-530.	0.7	50
166	Synthesis and Coordination Chemistry of Lower Rim Cavitand Ligands. European Journal of Organic Chemistry, 2001, 2001, 2311-2320.	1.2	30
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