

Christoph A Schalley

List of Publications by Year in descending order

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268
papers

13,627
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23567

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102
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301
all docs

301
docs citations

301
times ranked

10717
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivalency as a Chemical Organization and Action Principle. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10472-10498.	13.8	854
2	Experimental evidence for the functional relevance of anion-π interactions. <i>Nature Chemistry</i> , 2010, 2, 533-538.	13.6	434
3	On the Way to Rotaxane-Based Molecular Motors: Studies in Molecular Mobility and Topological Chirality. <i>Accounts of Chemical Research</i> , 2001, 34, 465-476.	15.6	398
4	Integrative self-sorting: a versatile strategy for the construction of complex supramolecular architecture. <i>Chemical Society Reviews</i> , 2015, 44, 779-789.	38.1	350
5	Molecular recognition and supramolecular chemistry in the gas phase. <i>Mass Spectrometry Reviews</i> , 2001, 20, 253-309.	5.4	280
6	Supramolecular chemistry goes gas phase: the mass spectrometric examination of noncovalent interactions in host-guest chemistry and molecular recognition. <i>International Journal of Mass Spectrometry</i> , 2000, 194, 11-39.	1.5	275
7	Exploring Macrocycles in Functional Supramolecular Gels: From Stimuli Responsiveness to Systems Chemistry. <i>Accounts of Chemical Research</i> , 2014, 47, 2222-2233.	15.6	267
8	Integrative Self-Sorting: Construction of a Cascade-Stoppered Hetero[3]rotaxane. <i>Journal of the American Chemical Society</i> , 2008, 130, 13852-13853.	13.7	238
9	Monitoring Self-Sorting by Electrospray Ionization Mass Spectrometry: Formation Intermediates and Error-Correction during the Self-Assembly of Multiply Threaded Pseudorotaxanes. <i>Journal of the American Chemical Society</i> , 2010, 132, 2309-2320.	13.7	197
10	Assessing cooperativity in supramolecular systems. <i>Chemical Society Reviews</i> , 2017, 46, 2622-2637.	38.1	197
11	Mass spectrometric approaches to the reactivity of transient neutrals. <i>Chemical Society Reviews</i> , 1998, 27, 91.	38.1	190
12	Investigating Molecular Recognition by Mass Spectrometry: Characterization of Calixarene-Based Self-Assembling Capsule Hosts with Charged Guests. <i>Journal of the American Chemical Society</i> , 1999, 121, 4568-4579.	13.7	184
13	Integrative self-sorting is a programming language for high level self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10425-10429.	7.1	169
14	Approaching Supramolecular Functionality. <i>Chemistry - A European Journal</i> , 2004, 10, 1072-1080.	3.3	160
15	Giant Cyclo[n]thiophenes with Extended π-Conjugation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6632-6635.	13.8	141
16	Structural water as an essential comonomer in supramolecular polymerization. <i>Science Advances</i> , 2017, 3, eaao0900.	10.3	139
17	Nickel(ii) and iron(iii) selective off-on-type fluorescence probes based on perylene tetracarboxylic diimide. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1017.	2.8	135
18	Mass Spectrometric Characterization and Gas-Phase Chemistry of Self-Assembling Supramolecular Squares and Triangles. <i>Chemistry - A European Journal</i> , 2002, 8, 3538.	3.3	133

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19	Anion Binding to Resorcinarene-Based Cavitands: The Importance of C-H...Anion Interactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 788-792.	13.8	132
20	Systems chemistry: logic gates based on the stimuli-responsive gel-sol transition of a crown ether-functionalized bis(urea) gelator. <i>Chemical Science</i> , 2012, 3, 2073.	7.4	127
21	Supramolecular Polymers as Surface Coatings: Rapid Fabrication of Healable Superhydrophobic and Slippery Surfaces. <i>Advanced Materials</i> , 2014, 26, 7358-7364.	21.0	126
22	Generation of a Dynamic System of Three-Dimensional Tetrahedral Polycatenanes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5749-5752.	13.8	124
23	Metallo-Supramolecular Self-Assembly: the Case of Triangle-Square Equilibria. <i>Inorganic Chemistry</i> , 2008, 47, 7588-7598.	4.0	123
24	Helicate, Macrocycle, or Catenate: Dynamic Topological Control over Subcomponent Self-Assembly. <i>Chemistry - A European Journal</i> , 2006, 12, 4069-4076.	3.3	122
25	Flying Capsules: Mass Spectrometric Detection of Pyrogallarene and Resorcinarene Hexamers. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5214-5218.	13.8	117
26	Hierarchical Assembly of Helicate-Type Dinuclear Titanium(IV) Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 10371-10387.	13.7	113
27	Rotaxane or Pseudorotaxane? Effects of Small Structural Variations on the Deslipping Kinetics of Rotaxanes with Stopper Groups of Intermediate Size. <i>European Journal of Organic Chemistry</i> , 2001, 2877.	2.4	111
28	Self-assembling resorcinarene capsules: solid and gas phase studies on encapsulation of small alkyl ammonium cations. <i>New Journal of Chemistry</i> , 2003, 27, 88-97.	2.8	111
29	A neutralization-reionization mass spectrometric study of alkyl hydroperoxide cation radicals and four distinguishable [C ₃ H ₃ O ₂] ⁺ isomers. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1996, 153, 173-199.	1.8	103
30	Encapsulation of Ion-Molecule Complexes: Second-Sphere Supramolecular Chemistry. <i>Journal of the American Chemical Society</i> , 1999, 121, 7455-7456.	13.7	101
31	Mass spectrometric studies of non-covalent compounds: why supramolecular chemistry in the gas phase?. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2825.	2.8	100
32	[N...N] Halogen-Bonded Dimeric Capsules from Tetrakis(3-pyridyl)ethylene Cavitands. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14033-14036.	13.8	100
33	Chelate Cooperativity and Spacer Length Effects on the Assembly Thermodynamics and Kinetics of Divalent Pseudorotaxanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 1860-1868.	13.7	99
34	Flexible Toolkit: A Modular Approach to Self-Assembling Capsules. <i>Journal of the American Chemical Society</i> , 2001, 123, 11519-11533.	13.7	96
35	Unusually stable magic number clusters of serine with a surprising preference for homochirality. <i>International Journal of Mass Spectrometry</i> , 2002, 221, 9-19.	1.5	95
36	Mass spectrometry as a tool to probe the gas-phase reactivity of neutral molecules. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 172, 181-208.	1.8	93

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37	Halogen-Bonded Supramolecular Capsules in the Solid State, in Solution, and in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1152-1157.	13.8	92
38	Pseudorotaxanes with Self-Sorted Sequence and Stereochemical Orientation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7437-7441.	13.8	89
39	Nano-sized 12L6 Molecular Capsules Based on the [Nâ€¦â€¦â€¦I+â€¦â€¦â€¦N] Halogen Bond. <i>CheM</i> , 2017, 3, 861-869.	13.8	86
40	Synthesis and Characterization of a Unimolecular Capsule. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1640-1644.	13.8	84
41	Novel template effect for the preparation of [2]rotaxanes with functionalised centre pieces Electronic supplementary information (ESI) available: Experimental section and 1H NMR titration curves. See http://www.rsc.org/suppdata/cc/b2/b208361b/ . <i>Chemical Communications</i> , 2002, , 2628-2629.	4.1	82
42	Secondary Isotope Effects on the Deslipping Reaction of Rotaxanes: High-Precision Measurement of Steric Size. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2258-2260.	13.8	80
43	Oligothiophene-Based Catenanes: Synthesis and Electronic Properties of a Novel Conjugated Topological Structure. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 363-368.	13.8	79
44	Self-Sorting of Water-Soluble Cucurbituril Pseudorotaxanes. <i>Chemistry - A European Journal</i> , 2011, 17, 2344-2348.	3.3	79
45	Controlling the rate of shuttling motions in [2]rotaxanes by electrostatic interactions: a cation as solvent-tunable brake. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2691.	2.8	77
46	On the formation of the carbon dioxide anion radical CO ₂ ^{-•} in the gas phase. <i>International Journal of Mass Spectrometry</i> , 1999, 185-187, 25-35.	1.5	74
47	Characterization of Self-Assembling Encapsulation Complexes in the Gas Phase and Solution. <i>Journal of the American Chemical Society</i> , 1999, 121, 2133-2138.	13.7	72
48	Weak interactions between resorcinarenes and diquaternary alkyl ammonium cations. <i>New Journal of Chemistry</i> , 2005, 29, 116-127.	2.8	70
49	Analysis and Improvement of an Anion-Templated Rotaxane Synthesis. <i>Helvetica Chimica Acta</i> , 2002, 85, 1578-1596.	1.6	68
50	Catenation and encapsulation induce distinct reconstitutions within a dynamic library of mixed-ligand Zn ₄ L ₆ cages. <i>Chemical Science</i> , 2016, 7, 2614-2620.	7.4	67
51	Second-Order Templation: Ordered Deposition of Supramolecular Squares on a Chloride-Covered Cu(100) Surface. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1291-1294.	13.8	66
52	Theory and Experiment in Concert: Templated Synthesis of Amide Rotaxanes, Catenanes, and Knots. <i>Chemistry - A European Journal</i> , 2004, 10, 4777-4789.	3.3	62
53	Gas-Phase Experiments Aimed at Probing the Existence of the Elusive Water Oxide Molecule. <i>Chemistry - A European Journal</i> , 1996, 2, 1235-1242.	3.3	61
54	Borromean Rings: A One-Pot Synthesis. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4399-4401.	13.8	61

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55	Synthesis of Chiral Self-Assembling Rhombs and Their Characterization in Solution, in the Gas Phase, and at the Liquid-Solid Interface. <i>Journal of the American Chemical Society</i> , 2005, 127, 17672-17685.	13.7	61
56	Mixed-Metal (Platinum, Palladium), Mixed-Pyrimidine (Uracil, Cytosine) Self-Assembling Metallacalix[n]arenes: Dynamic Combinatorial Chemistry with Nucleobases and Metal Species. <i>Chemistry - A European Journal</i> , 2007, 13, 6019-6039.	3.3	61
57	Synthesis of Axially Chiral 4,4'-Bipyridines and Their Remarkably Selective Self-Assembly into Chiral Metallo-Supramolecular Squares. <i>Chemistry - A European Journal</i> , 2008, 14, 3855-3859.	3.3	59
58	Tetrathiafulvalene - a redox-switchable building block to control motion in mechanically interlocked molecules. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2163-2185.	2.2	59
59	Deslipping of Ester Rotaxanes: A Cooperative Interplay of Hydrogen Bonding with Rotational Barriers. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 4819-4829.	2.4	58
60	Gas-phase chemistry of molecular containers. <i>Chemical Society Reviews</i> , 2015, 44, 515-531.	38.1	57
61	A Self-Sorting Scheme Based on Tetra-Urea Calix[4]arenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3867-3871.	13.8	56
62	Gating the photochromism of an azobenzene by strong host-guest interactions in a divalent pseudo[2]rotaxane. <i>Chemical Communications</i> , 2015, 51, 9777-9780.	4.1	56
63	[4]Pseudorotaxanes with Remarkable Self-Sorting Selectivities. <i>Organic Letters</i> , 2011, 13, 4502-4505.	4.6	55
64	Rational Design of Tightly Closed Coordination Tetrahedra that are Stable in the Solid State, in Solution, and in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 480-484.	13.8	54
65	Self-assembly of heterodinuclear triple-stranded helicates: control by coordination number and charge. <i>Chemical Communications</i> , 2009, , 1195.	4.1	54
66	Highly dynamic motion of crown ethers along oligolysine peptide chains. <i>Nature Chemistry</i> , 2009, 1, 573-577.	13.6	53
67	Naphthocage: A Flexible yet Extremely Strong Binder for Singly Charged Organic Cations. <i>Journal of the American Chemical Society</i> , 2019, 141, 4468-4473.	13.7	53
68	Gas-Phase Host-Guest Chemistry of Dendritic Viologens and Molecular Tweezers: A Remarkably Strong Effect on Dication Stability. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 477-480.	13.8	52
69	Hydrolysis of a Basic Bismuth Nitrate - Formation and Stability of Novel Bismuth Oxido Clusters. <i>Chemistry - A European Journal</i> , 2011, 17, 6985-6990.	3.3	52
70	Coupled Molecular Switching Processes in Ordered Mono- and Multilayers of Stimulus-Responsive Rotaxanes on Gold Surfaces. <i>Journal of the American Chemical Society</i> , 2015, 137, 4382-4390.	13.7	51
71	Tetra- and Octalactam Macrocycles and Catenanes with Exocyclic Metal Coordination Sites: Versatile Building Blocks for Supramolecular Chemistry. <i>Chemistry - A European Journal</i> , 2003, 9, 1332-1347.	3.3	50
72	Monitoring apple flavor by use of quartz microbalances. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 611-614.	3.7	49

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73	Stimuli-induced folding cascade of a linear oligomeric guest chain programmed through cucurbit[n]uril self-sorting (n = 6, 7, 8). <i>Chemical Science</i> , 2014, 5, 2560-2567.	7.4	49
74	Structural Examination of Supramolecular Architectures by Electrospray Ionization Mass Spectrometry. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1325-1331.	2.4	48
75	Designer Dendrimers: Branched Oligosulfonimides with Controllable Molecular Architectures. <i>Journal of the American Chemical Society</i> , 2006, 128, 8964-8974.	13.7	48
76	Enzyme-responsive pillar[5]arene-based polymer-substituted amphiphiles: synthesis, self-assembly in water, and application in controlled drug release. <i>Chemical Communications</i> , 2015, 51, 14901-14904.	4.1	48
77	A Study of the Gas-Phase Reactivity of Neutral Alkoxy Radicals by Mass Spectrometry: C-Cleavages and Barton-type Hydrogen Migrations. <i>Chemistry - A European Journal</i> , 1997, 3, 1866-1883.	3.3	47
78	Surprising solvent-induced structural rearrangements in large [N ⁺ ...N] halogen-bonded supramolecular capsules: an ion mobility-mass spectrometry study. <i>Chemical Science</i> , 2018, 9, 8343-8351.	7.4	47
79	Synthesis of 5-Acetyloxazoles and 1,2-Diketones from Alkoxy-ketoenamides and Their Subsequent Transformations. <i>Chemistry - A European Journal</i> , 2011, 17, 7480-7491.	3.3	46
80	Ion-Pair Recognition of Tetramethylammonium Salts by Halogenated Resorcinarenes. <i>Chemistry - A European Journal</i> , 2012, 18, 5552-5557.	3.3	46
81	Chiroptical inversion of a planar chiral redox-switchable rotaxane. <i>Chemical Science</i> , 2019, 10, 10003-10009.	7.4	46
82	Imine-based [2]catenanes in water. <i>Chemical Science</i> , 2018, 9, 1317-1322.	7.4	45
83	Self-assembling squares with amino acid-decorated bipyridines: heterochiral self-sorting of dynamically interconverting diastereomers. <i>Chemical Communications</i> , 2008, , 4789.	4.1	43
84	Thermodynamically controlled self-sorting of hetero-bimetallic metallo-supramolecular macrocycles: what a difference a methylene group makes!. <i>Chemical Communications</i> , 2011, 47, 1830-1832.	4.1	43
85	Lower critical solution temperature (LCST) phase behaviour of an ionic liquid and its control by supramolecular host-guest interactions. <i>Chemical Communications</i> , 2016, 52, 7970-7973.	4.1	43
86	Configurational Isomerism in Polyoxovanadates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2972-2975.	13.8	43
87	Ion-Mobility Mass Spectrometry for the Rapid Determination of the Topology of Interlocked and Knotted Molecules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11324-11328.	13.8	43
88	A porous fluorinated organic [4+4] imine cage showing CO ₂ and H ₂ adsorption. <i>Chemical Communications</i> , 2020, 56, 4761-4764.	4.1	43
89	Chasing Weak Forces: Hierarchically Assembled Helicates as a Probe for the Evaluation of the Energetics of Weak Interactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 16959-16966.	13.7	42
90	Characterization of Self-Assembled Metallodendrimers in Solution, in the Gas Phase, and at Air/Solid Interfaces. <i>Small</i> , 2008, 4, 1823-1834.	10.0	41

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91	A light-fuelled nanoratchet shifts a coupled chemical equilibrium. <i>Nature Nanotechnology</i> , 2022, 17, 159-165.	31.5	41
92	Gas-Phase Ion Chemistry of Dimethyl Peroxide with the Bare Transition-Metal Cations Cr ⁺ , Mn ⁺ , Fe ⁺ , and Co ⁺ . <i>Journal of the American Chemical Society</i> , 1995, 117, 7711-7718.	13.7	40
93	How useful is mass spectrometry for the characterization of dendrimers?. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 138-148.	1.5	40
94	A Synthetic Approach Towards Interlocked π -Conjugated Macrocycles. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1940-1948.	2.4	39
95	Under Diffusion Control: from Structuring Matter to Directional Motion. <i>Advanced Materials</i> , 2018, 30, e1707029.	21.0	39
96	Electrochemically switchable rotaxanes: recent strides in new directions. <i>Chemical Science</i> , 2019, 10, 9626-9639.	7.4	39
97	Reactivity of self-assembled supramolecular complexes in the gas phase: A supramolecular neighbor group effect. <i>International Journal of Mass Spectrometry</i> , 2006, 255-256, 185-194.	1.5	38
98	From {Bi ₂₂ O ₂₆ } to Chiral Ligand-Protected {Bi ₃₈ O ₄₅ }-Based Bismuth Oxido Clusters. <i>Chemistry - A European Journal</i> , 2011, 17, 14805-14810.	3.3	38
99	Equipping metallo-supramolecular macrocycles with functional groups: assemblies of pyridine-substituted urea ligands. <i>Dalton Transactions</i> , 2012, 41, 8410.	3.3	38
100	Multivalent Crown Ether Receptors Enable Allosteric Regulation of Anion Exchange in an Fe ₄ L ₆ Tetrahedron. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14121-14124.	13.8	38
101	Sekundäre Isotopeneffekte bei der Rotaxanabildung: hochpräzise Messung des sterischen Anspruchs. <i>Angewandte Chemie</i> , 2003, 115, 2360-2363.	2.0	37
102	Fibrous Networks with Incorporated Macrocycles: A Chiral Stimuli-Responsive Supramolecular Supergelator and Its Application to Biocatalysis in Organic Media. <i>Chemistry - A European Journal</i> , 2013, 19, 10150-10159.	3.3	37
103	Supramolecular reactivity in the gas phase: investigating the intrinsic properties of non-covalent complexes. <i>Chemical Society Reviews</i> , 2014, 43, 1800.	38.1	37
104	A Combined ESI- and MALDI-MS(/MS) Study of Peripherally Persulfonylated Dendrimers: False Negative Results by MALDI-MS and Analysis of Defects. <i>Chemistry - A European Journal</i> , 2005, 11, 5625-5636.	3.3	35
105	Redox-controlled self-inclusion of a lasso-type pseudo[1]rotaxane. <i>Chemical Communications</i> , 2017, 53, 9218-9221.	4.1	35
106	Accordion-Like Motion in Electrochemically Switchable Crown Ether/Ammonium Oligorotaxanes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3496-3500.	13.8	35
107	Redox-Responsive Host-Guest Chemistry of a Flexible Cage with Naphthalene Walls. <i>Journal of the American Chemical Society</i> , 2020, 142, 3306-3310.	13.7	35
108	Gas-Phase Reactions of Aliphatic Alcohols with Bare FeO ⁺ . <i>Helvetica Chimica Acta</i> , 1996, 79, 123-132.	1.6	34

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109	A Combined Neutralization-Reionization Mass Spectrometric and Theoretical Study of Oxyallyl and Other Elusive [C ₃ , H ₄ , O] Neutrals. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 987-1009.	2.4	34
110	Of Molecular Gyroscopes, Matroshka Dolls, and Other "Nano" Toys. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1513-1515.	13.8	34
111	A double intramolecular cage contraction within a self-assembled metallo-supramolecular bowl. <i>Chemical Communications</i> , 2009, , 785.	4.1	34
112	Gas-phase H/D-exchange reactions on resorcinarene and pyrogallarene capsules: Proton transport through a one-dimensional Grothuss mechanism. <i>Chemical Science</i> , 2011, 2, 615-624.	7.4	34
113	Catalysis of "outer-phase" oxygen atom exchange reactions by encapsulated "inner-phase" water in {V ₁₅ Sb ₆ }-type polyoxovanadates. <i>Chemical Science</i> , 2016, 7, 2684-2694.	7.4	34
114	Recent Advances on Supramolecular Gels: From Stimuli-Responsive Gels to Co-Assembled and Self-Sorted Systems. <i>Organic Materials</i> , 2021, 03, 025-040.	2.0	34
115	A Divalent Pentastable Redox-Switchable Donor-Acceptor Rotaxane. <i>Chemistry - A European Journal</i> , 2017, 23, 2960-2967.	3.3	33
116	CH ₂ -O Hydrogen Bonds in "Clicked" Diketopiperazine-Based Amide Rotaxanes. <i>Organic Letters</i> , 2011, 13, 4838-4841.	4.6	32
117	Deposition of Ordered Layers of Tetralactam Macrocycles and Ether Rotaxanes on Pyridine-Terminated Self-Assembled Monolayers on Gold. <i>Journal of the American Chemical Society</i> , 2012, 134, 16289-16297.	13.7	31
118	Evidence of click and coordination reactions on a self-assembled monolayer by synchrotron radiation based XPS and NEXAFS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012, 185, 85-89.	1.7	31
119	Bimolecular Gas-Phase Reactions of d-Block Transition-Metal Cations With Dimethyl Peroxide: Trends Across the Periodic Table. <i>Chemistry - A European Journal</i> , 1995, 1, 608-613.	3.3	30
120	Dicatechol cis-dioxomolybdenum(vi): a building block for a lithium cation templated monomer-dimer equilibrium. <i>Dalton Transactions</i> , 2006, , 4395-4400.	3.3	30
121	Tandem mass spectrometry for the analysis of self-sorted pseudorotaxanes: the effects of Coulomb interactions. <i>Journal of Mass Spectrometry</i> , 2010, 45, 788-798.	1.6	30
122	Successive coordination of palladium(II)-ions and terpyridine-ligands to a pyridyl-terminated self-assembled monolayer on gold. <i>Surface Science</i> , 2012, 606, 367-377.	1.9	30
123	Formation and Transmetalation Mechanisms of Homo- and Heterometallic (Fe/Zn) Trinuclear Triple-Stranded Side-by-Side Helicates. <i>Inorganic Chemistry</i> , 2015, 54, 4231-4242.	4.0	30
124	Covalent Assistance in Metal-Mediated [4 + 2] Cycloadditions of Butadiene and Acetylene in the Gas Phase. <i>Organometallics</i> , 1997, 16, 986-994.	2.3	29
125	Reappraisal of the spin-forbidden unimolecular decay of the methoxy cation. <i>Chemical Communications</i> , 1998, , 531-533.	4.1	29
126	Mass spectrometry as a tool in dendrimer chemistry: from self-assembling dendrimers to dendrimer gas-phase host-guest chemistry. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 479-490.	1.9	29

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127	Halogenverbrückte supramolekulare Kapseln im Festkörper, in Lösung und in der Gasphase. <i>Angewandte Chemie</i> , 2017, 129, 1172-1177.	2.0	29
128	Strong Emission Enhancement in pH-Responsive 2:2 Cucurbit[8]uril Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 3257-3261.	3.3	29
129	Distinguishing the topology of macrocyclic compounds and catenanes. <i>International Journal of Mass Spectrometry</i> , 2003, 228, 373-388.	1.5	28
130	Determination of the ripening state of Emmental cheese via quartz microbalances. <i>Sensors and Actuators B: Chemical</i> , 2003, 95, 6-19.	7.8	28
131	Host-Guest Chemistry of Self-Assembling Supramolecular Capsules in the Gas Phase. <i>Supramolecular Chemistry</i> , 2008, 20, 117-128.	1.2	28
132	Light Harvesting in Multichromophoric Rotaxanes. <i>Chemistry - A European Journal</i> , 2012, 18, 1528-1535.	3.3	28
133	The versatility of click-reactions: molecular recognition at interfaces. <i>RSC Advances</i> , 2014, 4, 17694-17702.	3.6	28
134	Iron(I)-Mediated Activation of C-C and C-H Bonds of cis- and trans-1-Acetyl-2-methylcyclopropanes in the Gas Phase: Competition between Ring Cleavage and α -CC-Bond Insertion Reactions. <i>Journal of the American Chemical Society</i> , 1994, 116, 11089-11097.	13.7	27
135	Dynamic Motion in Crown Ether Dendrimer Complexes: A Spacewalk on the Molecular Scale. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7246-7250.	13.8	27
136	Quartz Microbalance Sensor for the Detection of Acrylamide. <i>Sensors</i> , 2004, 4, 136-146.	3.8	26
137	Mass spectrometric evidence for catenanes and rotaxanes from negative-ESI FT-ICR tandem-MS-experiments. <i>International Journal of Mass Spectrometry</i> , 2004, 232, 249-258.	1.5	26
138	Formation of 2D supramolecular architectures at electrochemical solid/liquid interfaces. <i>Electrochimica Acta</i> , 2005, 50, 4257-4268.	5.2	26
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