Peter Schreiner

List of Publications by Year
in descending order

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506 papers	23,657 citations	12330 69 h-index	13771 129 g-index
577 all docs	577 docs citations	577 times ranked	14567 citing authors

#	Article	IF	Citations
1	Quantifying Solvophobic Effects in Organic Solvents Using a Hydrocarbon Molecular Balance. Journal of Organic Chemistry, 2022, 87, 1874-1878.	3.2	10
2	N-Alkoxyimidazolylidines (NOHCs): nucleophilic carbenes based on an oxidized imidazolium core. Chemical Communications, 2022, 58, 1538-1541.	4.1	1
3	Alkylphosphinites as Synthons for Stabilized Carbocations. Organic Letters, 2022, 24, 1460-1464.	4.6	7
4	Computational Chemistry as a Conceptual Game Changer: Understanding the Role of London Dispersion in Hexaphenylethane Derivatives (Gomberg Systems). Israel Journal of Chemistry, 2022, 62, .	2.3	12
5	Gauging the Steric Effects of Silyl Groups with a Molecular Balance. Journal of Organic Chemistry, 2022, 87, 4670-4679.	3.2	14
6	Hydroxy Mercapto Methylene: The Missing H₂CSO Isomer. Journal of Physical Chemistry Letters, 2022, 13, 3138-3142.	4.6	1
7	The Effects of Tetrapeptides Designed to Fit the Androgen Binding Site of ZIP9 on Myogenic and Osteogenic Cells. Biology, 2022, 11, 19.	2.8	3
8	Synthesis, electronic nature, and reactivity of selected silylene carbonyl complexes. Dalton Transactions, 2022, 51, 8249-8257.	3.3	9
9	Synthetic Doping of Diamondoids through Skeletal Editing. Organic Letters, 2022, 24, 4845-4849.	4.6	7
10	London Dispersion Favors Sterically Hindered Diarylthiourea Conformers in Solution. Angewandte Chemie - International Edition, 2022, 61, .	13.8	16
11	The Role of Packing, Dispersion, Electrostatics, and Solvation in Highâ€Affinity Complexes of Cucurbit[n]urils with Uncharged Polar Guests. Chemistry - A European Journal, 2022, 28, .	3.3	15
12	Machine Learning of Coupled Cluster (T)-Energy Corrections via Delta (Î”)-Learning. Journal of Chemical Theory and Computation, 2022, 18, 4846-4855.	5.3	11
13	London Dispersion Interactions Rather than Steric Hindrance Determine the Enantioselectivity of the Coreyâ€“Bakshiâ€“Shibata Reduction. Angewandte Chemie - International Edition, 2021, 60, 4823-4832.	13.8	57
14	Breaking the Symmetry of a Meso Compound by Isotopic Substitution: Synthesis and Stereochemical Assignment of Monodeuterated cis-Perhydroazulene. Organic Letters, 2021, 23, 113-117.	4.6	4
15	London Dispersion Interactions Rather than Steric Hindrance Determine the Enantioselectivity of the Coreyâ€“Bakshiâ€“Shibata Reduction. Angewandte Chemie, 2021, 133, 4873-4882.	2.0	10
16	Intramolecular London Dispersion Interactions Do Not Cancel in Solution. Journal of the American Chemical Society, 2021, 143, 41-45.	13.7	53
17	Spectroscopic characterization and photochemistry of the vinylsulfinyl radical. Physical Chemistry Chemical Physics, 2021, 23, 16307-16315.	2.8	4
18	New Ï€-stacking motifs for molecular semiconducting materials: bis(bis(8-quinolinyl)amide)metal(<scp>ii</scp>) complexes of Cr, Mn, Fe, and Zn. Materials Advances, 2021, 2, 2347-2357.	5.4	1

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19	Understanding dispersion interactions in molecular chemistry. Physical Chemistry Chemical Physics, 2021, 23, 8960-8961.	2.8	1
20	Site-Selective Acylation of Pyranosides with Oligopeptide Catalysts. Journal of Organic Chemistry, 2021, 86, 3907-3922.	3.2	8
21	The German Chemical Society's perspective on international collaboration with China. National Science Review, 2021, 8, nwab017.	9.5	0
22	Do Docking Sites Persist Upon Fluorination? The Diadamantyl Etherâ€Aromatics Challenge for Rotational Spectroscopy and Theory. Chemistry - A European Journal, 2021, 27, 6198-6203.	3.3	10
23	Characterization of the Simplest Thiolimine: The Higher Energy Tautomer of Thioformamide. Chemistry - A European Journal, 2021, 27, 6732-6739.	3.3	10
24	Ethynylhydroxycarbene (Hâ€“Câ‰¡Câ€“Cˆâ€“OH). Journal of the American Chemical Society, 2021, 143, 3741-3746.	15.7	5
25	Diamantanethiols on Metal Surfaces: Spatial Configurations, Bond Dissociations, and Polymerization. Journal of Physical Chemistry Letters, 2021, 12, 3468-3475.	4.6	7
26	Dispersionâ€Bound Isolated Dimers in the Gas Phase: Observation of the Shortest Intermolecular CHâ‹…â‹…â‹…Hâ€”C Distance via Stimulated Raman Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 11305-11309.	13.8	13
27	London Dispersion Helps Refine Steric A-Values: The Halogens. Journal of Organic Chemistry, 2021, 86, 7701-7713.	3.2	14
28	Dispersionsgebundene, isolierte Dimere in der Gasphase: Beobachtung des kÃ¼rzesten intermolekularen Câ€Hâ‹…â‹…â‹…Hâ€C Abstands mittels stimulierter Ramanâ€Spektroskopie. Angewandte Chemie, 2021, 133, 11405-11410.	2.0	0
29	Switching on H-Tunneling through Conformational Control. Journal of the American Chemical Society, 2021, 143, 8266-8271.	13.7	14
30	1,1,2â€Ethenetriol: The Enol of Glycolic Acid, a Highâ€Energy Prebiotic Molecule. Angewandte Chemie - International Edition, 2021, 60, 15313-15316.	13.8	9
31	Introducingâ€¦ Advisory Editors and New Author Profiles at Angewandte Chemie. Angewandte Chemie - International Edition, 2021, 60, 16720-16722.	13.8	4
32	Introducingâ€¦ Advisory Editors and New Author Profiles at Angewandte Chemie. Angewandte Chemie, 2021, 133, 16856-16858.	2.0	2
33	1,1,2â€Ethenetriol: The Enol of Glycolic Acid, a Highâ€Energy Prebiotic Molecule. Angewandte Chemie, 2021, 133, 15441-15444.	2.0	0
34	Hexaphenylditetrels â€“ When Longer Bonds Provide Higher Stability. Chemistry - A European Journal, 2021, 27, 13699-13702.	3.3	9
35	Aminohydroxymethylene (H2Nâ€“Cˆâ€“OH), the Simplest Aminooxycarbene. Journal of Physical Chemistry A, 2021, 125, 7023-7028.	2.5	7
36	Amorphous Molecular Materials for Directed Supercontinuum Generation. ChemPhotoChem, 2021, 5, 1033-1041.	3.0	11

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37	Identification of a prismatic P3N3 molecule formed from electron irradiated phosphine-nitrogen ices. Nature Communications, 2021, 12, 5467.	12.8	9
38	X-ray spectroscopic identification of strain and structure-based resonances in a series of saturated carbon-cage molecules: Adamantane, twistane, octahedrane, and cubane. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	2.1	3
39	Mitgliedschaft neu erleben. Nachrichten Aus Der Chemie, 2021, 69, 98-99.	0.0	0
40	Formation of phosphine imide (HNî€PH₃) and its phosphinous amide (H₂Nâ€“PH₂) isomer. Chemical Communications, 2021, 57, 4958-4961.	4.1	6
41	Amine-Functionalized Nanoporous Silica Monoliths for Heterogeneous Catalysis of the Knoevenagel Condensation in Flow. ACS Omega, 2021, 6, 425-437.	3.5	12
42	FORMATION OF PYRUVIC ACID AND 1,2-ETHENEDIOL IN INTERSTELLAR ANALOG ICES. , 2021, , .		0
43	Anleitung zur Digitalisierung. Nachrichten Aus Der Chemie, 2021, 69, 3-3.	0.0	0
44	London Dispersion Helps Refine Steric A-Values: Dispersion Energy Donor Scales. Journal of the American Chemical Society, 2021, 143, 20837-20848.	13.7	35
45	Amorphous Molecular Materials for Directed Supercontinuum Generation. ChemPhotoChem, 2021, 5, 1029.	3.0	2
46	Regioselective Synthesis of meta â€Tetraarylâ€Substituted Adamantane Derivatives and Evaluation of Their White Light Emission. European Journal of Organic Chemistry, 2021, 2021, 6806-6810.	2.4	1
47	Vibrational signatures of diamondoid dimers with large intramolecular London dispersion interactions. Carbon, 2020, 157, 201-207.	10.3	4
48	1,1â€Ethendiol â€“ Das lange Zeit schwer fassbare Enol der EssigsÃure. Angewandte Chemie, 2020, 132, 5625-5628.	2.0	6
49	In Situ Switching of Site-Selectivity with Light in the Acetylation of Sugars with Azopeptide Catalysts. Journal of Organic Chemistry, 2020, 85, 1835-1846.	3.2	16
50	1,1â€Ethenediol: The Long Elusive Enol of Acetic Acid. Angewandte Chemie - International Edition, 2020, 59, 5577-5580.	13.8	20
51	Catalytic enantiocontrol over a non-classical carbocation. Nature Chemistry, 2020, 12, 1174-1179.	13.6	42
52	Preparation and characterization of the enol of acetamide: 1-aminoethenol, a high-energy prebiotic molecule. Chemical Science, 2020, 11, 12358-12363.	7.4	13
53	Quantum Mechanical Tunneling Is Essential to Understanding Chemical Reactivity. Trends in Chemistry, 2020, 2, 980-989.	8.5	57
54	The elusive cyclotriphosphazene molecule and its Dewar benzeneâ€“type valence isomer (P ₃) Tj ETQq0 0 0 rgBT /Overlock	10.3	22

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55	Chemical Probes for Blocking of Influenza A M2 Wild-type and S31N Channels. ACS Chemical Biology, 2020, 15, 2331-2337.	3.4	18
56	Interstellar Formation of Biorelevant Pyruvic Acid (CH3COCOOH). CheM, 2020, 6, 3385-3395.	11.7	27
57	Synthesis and antiproliferative activity of hindered, chiral 1,2-diaminodiamantane platinum(<scp>ii</scp>) complexes. Dalton Transactions, 2020, 49, 14009-14016.	3.3	10
58	Spectroscopic identification of the â€¢SSNO isomers. Journal of Chemical Physics, 2020, 153, 094303.	3.0	3
59	Identification and Reactivity of s-cis,s-cis-Dihydroxycarbene, a New [CH₂O₂] Intermediate. Journal of the American Chemical Society, 2020, 142, 19457-19461.	13.7	5
60	London Dispersion and Hydrogenâ€Bonding Interactions in Bulky Molecules: The Case of Diadamantyl Ether Complexes. Chemistry - A European Journal, 2020, 26, 10817-10825.	3.3	17
61	Direct Exploitation of the Ethynyl Moiety in Calcium Carbide Through Sealed Ball Milling. European Journal of Organic Chemistry, 2020, 2020, 4339-4346.	2.4	13
62	Determination of the Absolute Configurations of Chiral Alkanes â€“ An Analysis of the Available Tools. European Journal of Organic Chemistry, 2020, 2020, 6328-6339.	2.4	15
63	Photochemistry of HNSO₂ in cryogenic matrices: spectroscopic identification of the intermediates and mechanism. Physical Chemistry Chemical Physics, 2020, 22, 7975-7983.	2.8	6
64	From Scientists to Scientistsâ€”Moving Angewandte into the Future. Angewandte Chemie, 2020, 132, 12648-12649.	2.0	4
65	From Scientists to Scientistsâ€”Moving Angewandte into the Future. Angewandte Chemie - International Edition, 2020, 59, 12548-12549.	13.8	15
66	50 Jahre Mitgliedschaft in der CG/GDCh â€“ Wir gratulieren!. Nachrichten Aus Der Chemie, 2020, 68, 98-100.	0.0	0
67	Sprechen wir miteinander. Nachrichten Aus Der Chemie, 2020, 68, 3-3.	0.0	0
68	Capture and Reactivity of an Elusive Carbonâ€“Sulfur Centered Biradical. Journal of Physical Chemistry A, 2020, 124, 2014-2018.	2.5	3
69	Synthesis and Conformational Analysis of Parent Perhydroazulenes Reveal an Energetically Preferred cis Ring Fusion. Journal of Organic Chemistry, 2020, 85, 4441-4447.	3.2	9
70	Incorporating Diamondoids as Electrolyte Additive in the Sodium Metal Anode to Mitigate Dendrite Growth. ChemSusChem, 2020, 13, 2661-2670.	6.8	30
71	TEMPO-functionalized mesoporous silica particles as heterogeneous oxidation catalysts in flow. Journal of Materials Chemistry A, 2020, 8, 4107-4117.	10.3	27
72	Absolute Configuration of trans-Perhydroazulene. Organic Letters, 2020, 22, 3895-3899.	4.6	7

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73	Isolation and Characterization of the Free Phenylphosphinidene Chalcogenides C₆H₅P=O and C₆H₅P=S, the Phosphorous Analogues of Nitrosobenzene and Thionitrosobenzene. Angewandte Chemie - International Edition, 2020, 59, 12445-12449.	13.8	16
74	A siliconâ€“carbonyl complex stable at room temperature. Nature Chemistry, 2020, 12, 608-614.	13.6	85
75	Isolation and Characterization of the Free Phenylphosphinidene Chalcogenides C₆H₅P=O and C₆H₅P=S, the Phosphorous Analogues of Nitrosobenzene and Thionitrosobenzene. Angewandte Chemie, 2020, 132, 12545-12549.	2.0	3
76	Noncovalent interactions in crowded olefinic radical cations. Journal of Organic and Pharmaceutical Chemistry, 2020, 18, 05-13.	0.4	2
77	Functionalizations of Diamantane Dimers. Journal of Organic and Pharmaceutical Chemistry, 2020, 18, 16-22.	0.4	1
78	Die GDCh trotzt der Krise. Nachrichten Aus Der Chemie, 2020, 68, 97-97.	0.0	0
79	CONFORMER-SPECIFIC [1,2]H-TUNNELING IN CAPTODATIVELY-STABILIZED CYANOHYDROXYCARBENE (NCâ€“Câ€“OH). , 2020, , .		0
80	FORMATION OF THE BIORELEVANT MOLECULE PYRUVIC ACID IN INTERSTELLAR ANALOG ICES. , 2020, , .		0
81	Einladung zur GDChâ€Mitgliederversammlung. Nachrichten Aus Der Chemie, 2020, 68, 98-98.	0.0	0
82	WofÃ¼r wir stehen: die Werte der GDCh. Nachrichten Aus Der Chemie, 2020, 68, 100-101.	0.0	1
83	Preparation and Characterization of Phenyl Phosphine Diselenide â€“ The Monomeric Form of Woollins' Reagent. European Journal of Organic Chemistry, 2019, 2019, 387-390.	2.4	8
84	Competitive Nitrogen versus Carbon Tunneling. Journal of the American Chemical Society, 2019, 141, 14340-14348.	13.7	43
85	Molecular propellants for ion thrusters. Plasma Sources Science and Technology, 2019, 28, 084001.	3.1	34
86	Walter Thiel 1949â€“2019: An editorial essay. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1447.	14.6	0
87	Organic Reaction Mechanisms. European Journal of Organic Chemistry, 2019, 2019, 232-232.	2.4	5
88	Structures and Dynamics in Thiolated Diamantane Derivative Monolayers. Journal of Physical Chemistry C, 2019, 123, 27477-27482.	3.1	5
89	Syn-Dihydroxylation of Alkenes Using a Sterically Demanding Cyclic Diacyl Peroxide. Journal of Organic Chemistry, 2019, 84, 12377-12386.	3.2	17
90	Conformer-specific [1,2]H-tunnelling in captodatively-stabilized cyanohydroxycarbene (NCâ€“Cĥ€“OH). Chemical Science, 2019, 10, 802-808.	7.4	16

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91	Diamondoid Amino Acidâ€Based Peptide Kinaseâ€...A Inhibitor Analogues. ChemMedChem, 2019, 14, 663-672.	3.2	7
92	Generation and Spectroscopic Identification of the Thiuram Radical (CH₃)₂NCS₂. Journal of Physical Chemistry A, 2019, 123, 4937-4941.	2.5	3
93	Diamondoid Nanostructures as sp 3 â€Carbonâ€Based Gas Sensors. Angewandte Chemie, 2019, 131, 10038-10043.	2.0	1
94	Diamondoid Nanostructures as sp³â€Carbonâ€Based Gas Sensors. Angewandte Chemie - International Edition, 2019, 58, 9933-9938.	13.8	20
95	Synthesis of Exclusively 4-Substituted Î²-Lactams through the Kinugasa Reaction Utilizing Calcium Carbide. Organic Letters, 2019, 21, 3746-3749.	4.6	55
96	Formation of Glyoxylic Acid in Interstellar Ices: A Key Entry Point for Prebiotic Chemistry. Angewandte Chemie - International Edition, 2019, 58, 5663-5667.	13.8	29
97	Role of London Dispersion Interactions in Ga-Substituted Dipnictenes. Organometallics, 2019, 38, 1640-1647.	2.3	32
98	Formation of Glyoxylic Acid in Interstellar Ices: A Key Entry Point for Prebiotic Chemistry. Angewandte Chemie, 2019, 131, 5719-5723.	2.0	2
99	Synthesis and selected transformations of 2-unsubstituted 1-(adamantyloxy)imidazole 3-oxides: straightforward access to non-symmetric 1,3-dialkoxyimidazolium salts. Beilstein Journal of Organic Chemistry, 2019, 15, 497-505.	2.2	10
100	Highly efficient chirality inducers in nematic liquid crystals: synthesis of 7,7â€™-disubstituted 2,2â€™-methylenedioxy-1,1â€™-binaphthyls. Liquid Crystals, 2019, 46, 1763-1768.	2.2	6
101	Syntheses, Structures, and Bonding Analyses of Carbeneâ€Stabilized Stibinidenes. European Journal of Inorganic Chemistry, 2019, 2019, 1669-1678.	2.0	36
102	Site-selective nitrenoid insertions utilizing postfunctionalized bifunctional rhodium(<scp>ii</scp>) catalysts. Chemical Science, 2019, 10, 3324-3329.	7.4	26
103	Caged Nitric Oxideâ€“Thiyl Radical Pairs. Journal of the American Chemical Society, 2019, 141, 3361-3365.	13.7	16
104	Spectroscopic identification of the phenyltelluryl radical and its reactivity toward molecular oxygen. Physical Chemistry Chemical Physics, 2019, 21, 25797-25801.	2.8	4
105	Synthesis of theoretically interesting molecules. Strategies and Tactics in Organic Synthesis, 2019, , 225-259.	0.1	0
106	2-Unsubstituted Imidazole N-Oxides as Novel Precursors of Chiral 3-Alkoxyimidazol-2-ylidenes Derived from trans-1,2-Diaminocyclohexane and Other Chiral Amino Compounds. Molecules, 2019, 24, 4398.	3.8	9
107	Diamantane Suspended Single Copper Atoms. Journal of the American Chemical Society, 2019, 141, 315-322.	13.7	14
108	Azido-Adamantyl Tin Sulfide Clusters for Bioconjugation. Organometallics, 2019, 38, 329-335.	2.3	14

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109	Control of Excitedâ€State Conformations in B,Nâ€Acenes. Angewandte Chemie, 2019, 131, 4303-4307.	2.0	5
110	Control of Excitedâ€State Conformations in B,Nâ€Acenes. Angewandte Chemie - International Edition, 2019, 58, 4259-4263.	13.8	7
111	TUNNEX: An easyâ€toâ€use wentzelâ€kramersâ€brillouin (WKB) implementation to compute tunneling halfâ€lives. Journal of Computational Chemistry, 2019, 40, 543-547.	3.3	5
112	Selective Phthalimido-N-oxyl (PINO)-Catalyzed Câ€“H Cyanation of Adamantane Derivatives. Synlett, 2019, 30, 493-498.	1.8	8
113	DISPERSION AND HYDROGEN BOND INTERACTIONS IN LARGE COMPLEXES: THE DIADAMANTHYL ETHER CASE. , 2019, , .		1
114	Sterically controlled mechanochemistry under hydrostatic pressure. Nature, 2018, 554, 505-510.	27.8	71
115	Spectroscopic Evidence for Aminomethylene (Hâ^'Cì^â^'NH₂)â€”The Simplest Amino Carbene. Angewandte Chemie, 2018, 130, 5346-5350.	2.0	8
116	The near-UV absorber OSSO and its isomers. Chemical Communications, 2018, 54, 4517-4520.	4.1	18
117	Gedanken zur Chemie und wissenschaftlichen Wahrheit in postfaktischen Zeiten. Angewandte Chemie, 2018, 130, 8468-8469.	2.0	2
118	Thoughts on Chemistry and Scientific Truth in Postâ€Factual Times. Angewandte Chemie - International Edition, 2018, 57, 8336-8337.	13.8	4
119	Whiteâ€Light Generation through Nonlinear Optical Response of 1,3,5,7â€Tetraphenyladamantane: Amorphous versus Crystalline States. Advanced Optical Materials, 2018, 6, 1701162.	7.3	17
120	Palladiumâ€Catalyzed C2â^'H Arylation of Unprotected (Nâ^'H)â€Indoles â€œOn Waterâ€Using Primary Diamantyl Phosphine Oxides as a Class of Primary Phosphine Oxide Ligands. ChemCatChem, 2018, 10, 2915-2922.	3.7	22
121	Atmospherically Relevant Radicals Derived from the Oxidation of Dimethyl Sulfide. Accounts of Chemical Research, 2018, 51, 475-483.	15.6	40
122	One-dimensional hydrogen bonding networks of bis-hydroxylated diamantane formed inside double-walled carbon nanotubes. Chemical Communications, 2018, 54, 3823-3826.	4.1	9
123	Unravelling Lawesson's reagent: the structure of monomeric (4-methoxyphenyl)phosphine disulfide. Chemical Communications, 2018, 54, 2715-2718.	4.1	12
124	Spectroscopic Evidence for Aminomethylene (Hâ^'Cì^â^'NH₂)â€”The Simplest Amino Carbene. Angewandte Chemie - International Edition, 2018, 57, 5248-5252.	13.8	34
125	Nanodiamondâ€Palladium Coreâ€“Shell Organohybrid Synthesis: A Mild Vaporâ€Phase Procedure Enabling Nanolayering Metal onto Functionalized sp³â€Carbon. Advanced Functional Materials, 2018, 28, 1705786.	14.9	22
126	Monochromatic Photocathodes from Graphene-Stabilized Diamondoids. Nano Letters, 2018, 18, 1099-1103.	9.1	8

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127	Heavy Atom Secondary Kinetic Isotope Effect on H-Tunneling. Journal of Physical Chemistry A, 2018, 122, 1488-1495.	2.5	17
128	Frontispiece: Spectroscopic Evidence for Aminomethylene (Hâ^'Cl^â^'NH₂)â€"The Simplest Amino Carbene. Angewandte Chemie - International Edition, 2018, 57, .	13.8	0
129	Intricate Conformational Tunneling in Carbonic Acid Monomethyl Ester. Journal of Physical Chemistry Letters, 2018, 9, 1663-1667.	4.6	11
130	The Trifluoromethyl Sulfinyl and Oxathiyl Radicals. Chemistry - A European Journal, 2018, 24, 1505-1508.	3.3	15
131	Capture of SO₃isomers in the oxidation of sulfur monoxide with molecular oxygen. Chemical Communications, 2018, 54, 1690-1693.	4.1	19
132	Computerchemie: das Schicksal aktueller Methoden und zukÃ¼nftige Herausforderungen. Angewandte Chemie, 2018, 130, 4241-4248.	2.0	16
133	Computational Chemistry: The Fate of Current Methods and Future Challenges. Angewandte Chemie - International Edition, 2018, 57, 4170-4176.	13.8	138
134	Dispersion interactions. Beilstein Journal of Organic Chemistry, 2018, 14, 3076-3077.	2.2	6
135	Frontispiz: Spectroscopic Evidence for Aminomethylene (Hâ^'Cl^â^'NH2)-The Simplest Amino Carbene. Angewandte Chemie, 2018, 130, .	2.0	0
136	Probing the Delicate Balance between Pauli Repulsion and London Dispersion with Triphenylmethyl Derivatives. Journal of the American Chemical Society, 2018, 140, 14421-14432.	13.7	70
137	1,3-Dioxolane-4-ol Hemiacetal Stores Formaldehyde and Glycolaldehyde in the Gas-Phase. Journal of the American Chemical Society, 2018, 140, 12333-12336.	13.7	9
138	Gas-phase sugar formation using hydroxymethylene as the reactive formaldehyde isomer. Nature Chemistry, 2018, 10, 1141-1147.	13.6	43
139	Making Glycine Methyl Ester Chiral. Chemistry - A European Journal, 2018, 24, 11904-11907.	3.3	0
140	Assigning the absolute configuration of single aliphatic molecules by visual inspection. Nature Communications, 2018, 9, 2420.	12.8	36
141	Tuning the Reactivity of Peroxo Anhydrides for Aromatic Câ€"H Bond Oxidation. Journal of Organic Chemistry, 2018, 83, 10070-10079.	3.2	15
142	Experimental measurement of the diamond nucleation landscape reveals classical and nonclassical features. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8284-8289.	7.1	37
143	Phenylsulfinyl Radical: Gas-Phase Generation, Photoisomerization, and Oxidation. Journal of the American Chemical Society, 2018, 140, 9972-9978.	13.7	18
144	Aerobic Aliphatic Hydroxylation Reactions by Copper Complexes: A Simple Clipâ€andâ€Cleave Concept. Chemistry - A European Journal, 2018, 24, 15543-15549.	3.3	16

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145	Mild Aliphatic and Benzylic Hydrocarbon Câ€“H Bond Chlorination Using Trichloroisocyanuric Acid. Journal of Organic Chemistry, 2017, 82, 2407-2413.	3.2	41
146	Chiral Building Blocks Based on 1,2-Disubstituted Diamantanes. Synthesis, 2017, 49, 2003-2008.	2.3	11
147	Vertical-Substrate MPCVD Epitaxial Nanodiamond Growth. Nano Letters, 2017, 17, 1489-1495.	9.1	68
148	London Dispersion Enables the Shortest Intermolecular Hydrocarbon HÂ·Â·Â·H Contact. Journal of the American Chemical Society, 2017, 139, 7428-7431.	13.7	126
149	Aliphatic Câ€“H Bond Iodination by a N-Iodoamide and Isolation of an Elusive N-Amidyl Radical. Journal of Organic Chemistry, 2017, 82, 7093-7100.	3.2	26
150	Isotope-Controlled Selectivity by Quantum Tunneling: Hydrogen Migration versus Ring Expansion in Cyclopropylmethylcarbenes. Journal of the American Chemical Society, 2017, 139, 9097-9099.	13.7	22
151	Formation of a Tunneling Product in the Photorearrangement of oâ€Nitrobenzaldehyde. Angewandte Chemie - International Edition, 2017, 56, 9445-9448.	13.8	23
152	Preparation and Characterization of Parent Phenylphosphinidene and Its Oxidation to Phenyldioxophosphorane: The Elusive Phosphorus Analogue of Nitrobenzene. Journal of the American Chemical Society, 2017, 139, 5019-5022.	13.7	46
153	Towards the pyrolytic preparation of carbonothioic O,O-acid (monothiocarbonic acid). Journal of Analytical and Applied Pyrolysis, 2017, 124, 439-445.	5.5	2
154	Hybrid metalâ€“organic chalcogenide nanowires with electrically conductive inorganic core through diamondoid-directed assembly. Nature Materials, 2017, 16, 349-355.	27.5	79
155	Catalytic Halogen Bond Activation in the Benzylic Câ€“H Bond Iodination with Iodohydantoins. Organic Letters, 2017, 19, 6156-6159.	4.6	19
156	The phenylselenyl radical and its reaction with molecular oxygen. Physical Chemistry Chemical Physics, 2017, 19, 27384-27388.	2.8	6
157	Tunneling Control of Chemical Reactions: The Third Reactivity Paradigm. Journal of the American Chemical Society, 2017, 139, 15276-15283.	13.7	144
158	Intramolecular London Dispersion Interaction Effects on Gas-Phase and Solid-State Structures of Diamondoid Dimers. Journal of the American Chemical Society, 2017, 139, 16696-16707.	13.7	62
159	London Dispersion Directs On-Surface Self-Assembly of [121]Tetramantane Molecules. ACS Nano, 2017, 11, 9459-9466.	14.6	25
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