Roald Hoffmann

List of Publications by Year
in descending order

313 papers	36,662 citations	6486 82 h-index	3782 185 g-index
365 all docs	365 docs citations	365 times ranked	20972 citing authors

#	Article	IF	Citations
1	Theoretical Studies of Furan and Thiophene Nanothreads: Structures, Cycloaddition Barriers, and Activation Volumes. Journal of the American Chemical Society, 2022, 144, 9044-9056.	6.6	5
2	Synthesis, structure, and magnetic properties of the quaternary oxysulfides Ln ₅V₃O₇S₆ (LnÂ=ÂLa, Ce). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, 76, 677-688.	0.3	0
3	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part C. Toward Consilience. Angewandte Chemie, 2020, 132, 13798-13814.	1.6	7
4	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part B. The March of Simulation, for Better or Worse. Angewandte Chemie, 2020, 132, 13256-13278.	1.6	2
5	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part A. Stage Setting. Angewandte Chemie - International Edition, 2020, 59, 12590-12610.	7.2	18
6	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part B. The March of Simulation, for Better or Worse. Angewandte Chemie - International Edition, 2020, 59, 13156-13178.	7.2	16
7	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part C. Toward Consilience. Angewandte Chemie - International Edition, 2020, 59, 13694-13710.	7.2	12
8	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part A. Stage Setting. Angewandte Chemie, 2020, 132, 12690-12710.	1.6	3
9	Fermi surface studies of the low-temperature structure of sodium. Physical Review B, 2020, 101, .	1.1	5
10	Varying Electronic Configurations in Compressed Atoms: From the Role of the Spatial Extension of Atomic Orbitals to the Change of Electronic Configuration as an Isobaric Transformation. Journal of Chemical Theory and Computation, 2020, 16, 5047-5056.	2.3	14
11	Do Diradicals Behave Like Radicals?. Chemical Reviews, 2019, 119, 11291-11351.	23.0	228
12	Carbon Permeation: The Prerequisite Elementary Step in Iron-Catalyzed Fischerâ€“Tropsch Synthesis. Catalysis Letters, 2019, 149, 645-664.	1.4	19
13	Squeezing All Elements in the Periodic Table: Electron Configuration and Electronegativity of the Atoms under Compression. Journal of the American Chemical Society, 2019, 141, 10253-10271.	6.6	138
14	Cross Conjugation in Polyenes and Related Hydrocarbons: What Can Be Learned from Valence Bond Theory about Single-Molecule Conductance?. Journal of the American Chemical Society, 2019, 141, 6030-6047.	6.6	26
15	Expanding the Frontiers of Higher-Order Cycloadditions. Accounts of Chemical Research, 2019, 52, 3488-3501.	7.6	83
16	Electronegativity Seen as the Ground-State Average Valence Electron Binding Energy. Journal of the American Chemical Society, 2019, 141, 342-351.	6.6	139
17	High-pressure lithium as an elemental topological semimetal. Physical Review Materials, 2019, 3, .	0.9	7
18	Surface Activation of Transition Metal Nanoparticles for Heterogeneous Catalysis: What We Can Learn from Molecular Dynamics. ACS Catalysis, 2018, 8, 3365-3375.	5.5	58

#	Article	IF	Citations
19	Coarctate and MÃ¶bius: The Helical Orbitals of Allene and Other Cumulenes. ACS Central Science, 2018, 4, 688-700.	5.3	46
20	Quantum Interference, Graphs, Walks, and Polynomials. Chemical Reviews, 2018, 118, 4887-4911.	23.0	50
21	High Hydrides of Scandium under Pressure: Potential Superconductors. Journal of Physical Chemistry C, 2018, 122, 6298-6309.	1.5	83
22	All the Ways To Have Substituted Nanothreads. Journal of Chemical Theory and Computation, 2018, 14, 1131-1140.	2.3	14
23	Alkali-Metal Trihalides: M+X3â€“Ion Pair or MXâ€“X2Complex?. Journal of Physical Chemistry B, 2018, 122, 3339-3353.	1.2	8
24	Carbon Nitride Nanothread Crystals Derived from Pyridine. Journal of the American Chemical Society, 2018, 140, 4969-4972.	6.6	81
25	Potential Semiconducting and Superconducting Metastable Si₃C Structures under Pressure. Chemistry of Materials, 2018, 30, 421-427.	3.2	5
26	Alkyl Isosteres. Journal of the American Chemical Society, 2018, 140, 12844-12852.	6.6	4
27	Mirrors of Bonding in Metal Halide Perovskites. Journal of the American Chemical Society, 2018, 140, 12996-13010.	6.6	75
28	Eight-coordinate fluoride in a silicate double-four-ring. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 828-833.	3.3	17
29	Evidence from Fermi surface analysis for the low-temperature structure of lithium. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5389-5394.	3.3	22
30	An Iodabenzene Story. Journal of the American Chemical Society, 2017, 139, 7124-7129.	6.6	10
31	Ternary Gold Hydrides: Routes to Stable and Potentially Superconducting Compounds. Journal of the American Chemical Society, 2017, 139, 8740-8751.	6.6	47
32	Potential high- T _c superconducting lanthanum and yttrium hydrides at high pressure. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6990-6995.	3.3	651
33	Valence Bond Theory Reveals Hidden Delocalized Diradical Character of Polyenes. Journal of the American Chemical Society, 2017, 139, 9302-9316.	6.6	33
34	Dioxygen: What Makes This Triplet Diradical Kinetically Persistent?. Journal of the American Chemical Society, 2017, 139, 9010-9018.	6.6	147
35	The Greenâ€™s function for the HÃ¼ckel (tight binding) model. Journal of Mathematical Physics, 2017, 58, 033505.	0.5	15
36	Quasimolecules in Compressed Lithium. Angewandte Chemie, 2017, 129, 992-995.	1.6	16

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37	Enhancing the conductivity of molecular electronic devices. Journal of Chemical Physics, 2017, 146, .	1.2	39
38	Quasimolecules in Compressed Lithium. Angewandte Chemie - International Edition, 2017, 56, 972-975.	7.2	32
39	Reply to Martinez-Canales et al.: The structure(s) of lithium at low temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8810-E8811.	3.3	1
40	Mechanochemical Synthesis of Carbon Nanothread Single Crystals. Journal of the American Chemical Society, 2017, 139, 16343-16349.	6.6	88
41	Stabilizing a different cyclooctatetraene stereoisomer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9803-9808.	3.3	26
42	Druckeffekte auf organische Reaktionen in Fluiden â€“ eine neue theoretische Perspektive. Angewandte Chemie, 2017, 129, 11278-11295.	1.6	10
43	The Effect of Pressure on Organic Reactions in Fluidsâ€”a New Theoretical Perspective. Angewandte Chemie - International Edition, 2017, 56, 11126-11142.	7.2	89
44	Donorâ€“Acceptor Strategies for Stabilizing Planar Diplumbenes. Organometallics, 2017, 36, 4825-4833.	1.1	3
45	From Widely Accepted Concepts in Coordination Chemistry to Inverted Ligand Fields. Chemical Reviews, 2016, 116, 8173-8192.	23.0	155
46	Structural Diversity and Electron Confinement in Li₄N: Potential for 0-D, 2-D, and 3-D Electrides. Journal of the American Chemical Society, 2016, 138, 14108-14120.	6.6	59
47	Atomic and Ionic Radii of Elements 1â€“96. Chemistry - A European Journal, 2016, 22, 14625-14632.	1.7	239
48	Semiconductive K₂MSbS₃(SH) (M = Zn, Cd) Featuring One-Dimensional _{âˆž}¹[M₂Sb₂S₆(SH₂)]^{4â€“} Chains. Inorganic Chemistry, 2016, 55, 9742-9747.	1.9	18
49	Homo Citans und Kohlenstoffallotrope: FÃ¼r eine Ethik des Zitierens. Angewandte Chemie, 2016, 128, 11122-11139.	1.6	17
50	Homo Citans and Carbon Allotropes: For an Ethics of Citation. Angewandte Chemie - International Edition, 2016, 55, 10962-10976.	7.2	251
51	Helical Oligoenes: Conformations, Bond Alternation, and Competing Throughâ€Bond and Throughâ€Space Transmission. Chemistry - A European Journal, 2016, 22, 4878-4888.	1.7	21
52	AuO: Evolving from Dis- to Comproportionation and Back Again. Inorganic Chemistry, 2016, 55, 1278-1286.	1.9	24
53	The Dimerization of H₂NO. Journal of Physical Chemistry A, 2016, 120, 1283-1296.	1.1	3
54	Distinguishing Bonds. Journal of the American Chemical Society, 2016, 138, 3731-3744.	6.6	48

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55	Close relation between quantum interference in molecular conductance and diradical existence. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E413-9.	3.3	77
56	Molecular CsF₅ and CsF₂⁺. Angewandte Chemie - International Edition, 2015, 54, 8275-8278.	7.2	17
57	Molecular CsF₅ and CsF₂⁺. Angewandte Chemie, 2015, 127, 8393-8396.	1.6	7
58	Anomalous orbital admixture in ammine complexes. Journal of Organometallic Chemistry, 2015, 792, 6-12.	0.8	5
59	Theoretical Study of Phase Separation of Scandium Hydrides under High Pressure. Journal of Physical Chemistry C, 2015, 119, 5614-5625.	1.5	37
60	High-Pressure Electrides: The Chemical Nature of Interstitial Quasiatoms. Journal of the American Chemical Society, 2015, 137, 3631-3637.	6.6	134
61	Toward an Experimental Quantum Chemistry: Exploring a New Energy Partitioning. Journal of the American Chemical Society, 2015, 137, 10282-10291.	6.6	36
62	Exponential Attenuation of Through-Bond Transmission in a Polyene: Theory and Potential Realizations. ACS Nano, 2015, 9, 11109-11120.	7.3	45
63	Linearly Polymerized Benzene Arrays As Intermediates, Tracing Pathways to Carbon Nanothreads. Journal of the American Chemical Society, 2015, 137, 14373-14386.	6.6	86
64	For the M. Hargittai issue. Structural Chemistry, 2015, 26, 1165-1165.	1.0	1
65	Chemical bonding in hydrogen and lithium under pressure. Journal of Chemical Physics, 2015, 143, 064702.	1.2	24
66	Tension in Chemistry and Its Contents. Accountability in Research, 2015, 22, 330-345.	1.6	2
67	Li-Filled, B-Substituted Carbon Clathrates. Journal of the American Chemical Society, 2015, 137, 12639-12652.	6.6	42
68	Tuning the Ground State Symmetry of Acetylenyl Radicals. ACS Central Science, 2015, 1, 270-278.	5.3	5
69	The Many Guises of Aromaticity. American Scientist, 2015, 103, 18.	0.1	77
70	Quantum interference in polyenes. Journal of Chemical Physics, 2014, 141, 224311.	1.2	55
71	High Pressure Electrides: A Predictive Chemical and Physical Theory. Accounts of Chemical Research, 2014, 47, 1311-1317.	7.6	199
72	Frontier Orbital Control of Molecular Conductance and its Switching. Angewandte Chemie - International Edition, 2014, 53, 4093-4097.	7.2	75

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73	Lithium hydroxide, LiOH, at elevated densities. Journal of Chemical Physics, 2014, 141, 024505.	1.2	20
74	Seeking Small Molecules for Singlet Fission: A Heteroatom Substitution Strategy. Journal of the American Chemical Society, 2014, 136, 12638-12647.	6.6	121
75	The Low-Lying Electronic States of Pentacene and Their Roles in Singlet Fission. Journal of the American Chemical Society, 2014, 136, 5755-5764.	6.6	197
76	The Unusual and the Expected in the Si/C Phase Diagram. Journal of the American Chemical Society, 2013, 135, 11651-11656.	6.6	42
77	Squaroglitter: A 3,4-Connected Carbon Net. Journal of Chemical Theory and Computation, 2013, 9, 3855-3859.	2.3	8
78	Evolving Structural Diversity and Metallicity in Compressed Lithium Azide. Journal of Physical Chemistry C, 2013, 117, 20838-20846.	1.5	51
79	Isotopic differentiation and sublattice melting in dense dynamic ice. Physical Review B, 2013, 88, .	1.1	14
80	Small but Strong Lessons from Chemistry for Nanoscience. Angewandte Chemie - International Edition, 2013, 52, 93-103.	7.2	88
81	Binary Compounds of Boron and Beryllium: A Rich Structural Arena with Space for Predictions. Chemistry - A European Journal, 2013, 19, 4184-4197.	1.7	26
82	One Molecule, Two Atoms, Three Views, Four Bonds?. Angewandte Chemie - International Edition, 2013, 52, 3020-3033.	7.2	129
83	Twoâ€Đimensional CdSe Nanosheets and their Interaction with Stabilizing Ligands. Advanced Materials, 2013, 25, 261-266.	11.1	39
84	A Response to the Critical Comments on â€œOne Molecule, Two Atoms, Three Views, Four Bonds?â€• Angewandte Chemie - International Edition, 2013, 52, 5926-5928.	7.2	55
85	Hypervalent Compounds as Ligands: I₃-Anion Adducts with Transition Metal Pentacarbonyls. Inorganic Chemistry, 2013, 52, 7161-7171.	1.9	23
86	Theoretical study of the ground-state structures and properties of niobium hydrides under pressure. Physical Review B, 2013, 88, .	1.1	63
87	The Close Relationships between the Crystal Structures of MO and MSO4(M = Group 10, 11, or 12) Tj ETQq1 1 0.784314 rgBT /Overl 2013, 2013, 5094-5102.	1.0	5
88	LiB and its boron-deficient variants under pressure. Physical Review B, 2012, 86, .	1.1	23
89	High pressure ices. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 745-750.	3.3	92
90	Molecular Orbitals of the Oxocarbons (CO)_n, n = 2â€“6. Why Does (CO)₄ Have a Triplet Ground State?. Journal of the American Chemical Society, 2012, 134, 10259-10270.	6.6	43

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91	Graphane Nanotubes. ACS Nano, 2012, 6, 7142-7150.	7.3	32
92	A fresh look at dense hydrogen under pressure. I. An introduction to the problem, and an index probing equalization of Hâ€“H distances. Journal of Chemical Physics, 2012, 136, 074501.	1.2	61
93	A fresh look at dense hydrogen under pressure. II. Chemical and physical models aiding our understanding of evolving Hâ€“H separations. Journal of Chemical Physics, 2012, 136, 074502.	1.2	42
94	A fresh look at dense hydrogen under pressure. III. Two competing effects and the resulting intra-molecular H-H separation in solid hydrogen under pressure. Journal of Chemical Physics, 2012, 136, 074503.	1.2	35
95	A fresh look at dense hydrogen under pressure. IV. Two structural models on the road from paired to monatomic hydrogen, via a possible non-crystalline phase. Journal of Chemical Physics, 2012, 136, 074504.	1.2	29
96	LiBeB: A predicted phase with structural and electronic peculiarities. Physical Review B, 2012, 86, .	1.1	14
97	Editorial: Was, wieder ein Chemie-Nobelpreis fÃ¼r einen Nichtchemiker?. Angewandte Chemie, 2012, 124, 1768-1769.	1.6	2
98	Stabilizing H₃^{â˜}: Or Are We Stabilizing a Proton?. ChemPhysChem, 2012, 13, 2286-2288.	1.0	8
99	WH_nunder pressure. Journal of Physics Condensed Matter, 2012, 24, 155701.	0.7	29
100	Hunting dimers. Theoretical Chemistry Accounts, 2012, 131, 1.	0.5	6
101	Editorial: What, Another Nobel Prize in Chemistry to a Nonchemist?. Angewandte Chemie - International Edition, 2012, 51, 1734-1735.	7.2	5
102	Hunting dimers. Highlights in Theoretical Chemistry, 2012, , 3-13.	0.0	0
103	Molecular models for WH6 under pressure. New Journal of Chemistry, 2011, 35, 2349.	1.4	10
104	Connecting the Chemical and Physical Viewpoints of What Determines Structure: From 1-D Chains to Î³-Brasses. Chemical Reviews, 2011, 111, 4522-4545.	23.0	50
105	BH3under Pressure: Leaving the Molecular Diborane Motif. Journal of the American Chemical Society, 2011, 133, 21002-21009.	6.6	31
106	(Barely) Solid Li(NH₃)₄: The Electronics of an Expanded Metal. Journal of the American Chemical Society, 2011, 133, 3535-3547.	6.6	35
107	Benzene under High Pressure: a Story of Molecular Crystals Transforming to Saturated Networks, with a Possible Intermediate Metallic Phase. Journal of the American Chemical Society, 2011, 133, 9023-9035.	6.6	146
108	High Pressure Stabilization and Emergent Forms of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PbH</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2011, 107, 037002.	2.9	55

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109	International Year of Chemistry 2011: Sustainable Development. Clinical Chemistry, 2011, 57, 144-144.	1.5	1
110	Segregation into Layers: A General Problem for Structural Instability under Pressure, Exemplified by SnH₄. ChemPhysChem, 2010, 11, 3105-3112.	1.0	14
111	Exploring Group 14 Structures: 1D to 2D to 3D. Chemistry - A European Journal, 2010, 16, 6555-6566.	1.7	29
112	JUST WHEN WE ARE SAFEST. Yale Review, 2010, 98, 126-127.	0.0	0
113	Reconstructing a solid-solid phase transformation pathway in CdSe nanosheets with associated soft ligands. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17119-17124.	3.3	120
114	Compressing the Most Hydrogen-Rich Inorganic Ion. Journal of the American Chemical Society, 2010, 132, 748-755.	6.6	25
115	Two Lives. American Scientist, 2010, 98, 117.	0.1	6
116	Element Lines: Bonding in the Ternary Gold Polyphosphides, Au2MP2 with M = Pb, Tl, or Hg. Journal of the American Chemical Society, 2009, 131, 2199-2207.	6.6	22
117	A little bit of lithium does a lot for hydrogen. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17640-17643.	3.3	245
118	Group 12 Dihalides: Structural Predilections from Gases to Solids. Chemistry - A European Journal, 2009, 15, 158-177.	1.7	45
119	A Bonding Quandaryâ€”orâ€”A Demonstration of the Fact That Scientists Are Not Born With Logic. Chemistry - A European Journal, 2009, 15, 8358-8373.	1.7	77
120	A Molecular Perspective on Lithiumâ€“Ammonia Solutions. Angewandte Chemie - International Edition, 2009, 48, 8198-8232.	7.2	155
121	Largeâ€Scale Soft Colloidal Template Synthesis of 1.4â€…nm Thick CdSe Nanosheets. Angewandte Chemie - International Edition, 2009, 48, 6861-6864.	7.2	298
122	â€œHalfâ€Bondsâ€•in an Unusual Coordinated S₄^{2â^’} Rectangle. Chemistry - an Asian Journal, 2009, 4, 302-313.	1.7	10
123	Cover Picture: â€œHalf-Bondsâ€•in an Unusual Coordinated S42â^’Rectangle (Chem. Asian J. 2/2009). Chemistry - an Asian Journal, 2009, 4, 215-215.	1.7	0
124	Teaching and Learning Strategies That Work. Science, 2009, 325, 1203-1204.	6.0	8
125	S₄^{2â^’} Rings, Disulfides, and Sulfides in Transitionâ€Metal Complexes: The Subtle Interplay of Oxidation and Structure. Angewandte Chemie - International Edition, 2008, 47, 2864-2868.	7.2	43
126	Learning from Molecules in Distress. Angewandte Chemie - International Edition, 2008, 47, 4474-4481.	7.2	86

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127	Predicting Moleculesâ€"More Realism, Please!. Angewandte Chemie - International Edition, 2008, 47, 7164-7167.	7.2	311
128	Parallel disulfido bridges in bi- and poly-nuclear transition metal compounds: Bonding flexibility induced by redox chemistry. Inorganica Chimica Acta, 2008, 361, 3631-3637.	1.2	7
129	Emergent reduction of electronic state dimensionality in dense ordered Li-Be alloys. Nature, 2008, 451, 445-448.	13.7	111
130	Why Think Up New Molecules?. American Scientist, 2008, 96, 372.	0.1	17
131	Electronic Effects in CO Chemisorption on Ptâ^'Pb Intermetallic Surfaces:â€‰ A Theoretical Study. Journal of Physical Chemistry C, 2007, 111, 17357-17369.	1.5	19
132	Structure and bonding in boron carbide: The invincibility of imperfections. New Journal of Chemistry, 2007, 31, 473.	1.4	118
133	A Quantum Mechanically Guided View of Mg₄₄Rh₇. Chemistry - A European Journal, 2007, 13, 7852-7863.	1.7	20
134	Interpenetrating Polar and Nonpolar Sublattices in Intermetallics: The NaCd2 Structure. Angewandte Chemie - International Edition, 2007, 46, 1958-1976.	7.2	70
135	The Chemical Imagination at Work inVery Tight Places. Angewandte Chemie - International Edition, 2007, 46, 3620-3642.	7.2	393
136	Cover Picture: Interpenetrating Polar and Nonpolar Sublattices in Intermetallics: The NaCd2 Structure (Angew. Chem. Int. Ed. 12/2007). Angewandte Chemie - International Edition, 2007, 46, 1927-1927.	7.2	2
137	Blow-Up: Making Sense of the Image in the Nanoworld. Small, 2007, 3, 368-371.	5.2	0
138	What might philosophy of science look like if chemists built it?. SynthÃ^se, 2007, 155, 321-336.	0.6	38
139	Prediction of thermodynamic stability and electronic structure of novel ternary lanthanide hydrides. Journal of Materials Chemistry, 2006, 16, 1154.	6.7	10
140	Theoretical studies on doubly and triply linked polymers of Ge9 clusters. Inorganica Chimica Acta, 2006, 359, 3776-3784.	1.2	9
141	Structures and Potential Superconductivity inSiH4at High Pressure: En Route to â€œMetallic Hydrogenâ€. Physical Review Letters, 2006, 96, 017006.	2.9	187
142	Solid Memory:Â Structural Preferences in Group 2 Dihalide Monomers, Dimers, and Solids. Journal of the American Chemical Society, 2006, 128, 11236-11249.	6.6	33
143	Richard Kuhn, das Dritte Reich und die GDCh. Nachrichten Aus Der Chemie, 2006, 54, 1019-1024.	0.0	0
144	Adsorption of CO on PtBi2 and PtBi surfaces. Surface Science, 2005, 574, 1-16.	0.8	59

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145	Squeezing Cï£¿C Bonds. Angewandte Chemie - International Edition, 2005, 44, 7549-7553.	7.2	50
146	How do electrons travel in unusual metallic fluorides of Ag2+?. Physica Status Solidi (B): Basic Research, 2005, 242, R1-R3.	0.7	14
147	Transition Metal Complexes of Cyclic and Open Ozone and Thiozone. Journal of the American Chemical Society, 2005, 127, 1278-1285.	6.6	41
148	Theoretical Chemistry. Foundations of Chemistry, 2004, 6, 11.	0.4	0
149	A Claim on the Development of the Frontier Orbital Explanation of Electrocyclic Reactions. Angewandte Chemie - International Edition, 2004, 43, 6586-6590.	7.2	27
150	Hydrogen Migration Over Organic Tapes: [1,5] Sigmatropic Shiftamers. European Journal of Organic Chemistry, 2004, 2004, 273-280.	1.2	6
151	Thinking about metal-metal quadruple bonding in extended structures: a hypothetical A2M6E8 network. New Journal of Chemistry, 2004, 28, 185.	1.4	5
152	Dicyclobuta[de,ij]naphthalene and Dicyclopenta[cd,gh]pentalene:Â A Theoretical Study. Journal of Organic Chemistry, 2004, 69, 8093-8100.	1.7	8
153	Main Group Element Nets to a T. Inorganic Chemistry, 2004, 43, 2526-2540.	1.9	14
154	Planar Tetracoordinate Carbon in Extended Systems. Journal of the American Chemical Society, 2004, 126, 15309-15315.	6.6	126
155	The Nowotny Chimney Ladder Phases:Â Following thecpseudoClue toward an Explanation of the 14 Electron Rule. Inorganic Chemistry, 2004, 43, 6151-6158.	1.9	79
156	The Nowotny Chimney Ladder Phases:Â Whence the 14 Electron Rule?. Inorganic Chemistry, 2004, 43, 6159-6167.	1.9	98
157	Extended Barbaralanes:Â Sigmatropic Shiftamers or Ïƒ-Polyacenes?. Journal of the American Chemical Society, 2004, 126, 4256-4263.	6.6	26
158	Meissen Chymistry. American Scientist, 2004, 92, 312.	0.1	2
159	A Conversation on VB vs MO Theory:â€‰ A Never-Ending Rivalry?. Accounts of Chemical Research, 2003, 36, 750-756.	7.6	144
160	The REâ€‰Mâ€‰E Phases. Helvetica Chimica Acta, 2003, 86, 1653-1682.	1.0	61
161	The REâ€‰Mâ€‰E Phases. Helvetica Chimica Acta, 2003, 86, 1683-1708.	1.0	39
162	Helicoid Shiftamers for the Transport ofÏ€-Clumps and Charges. Helvetica Chimica Acta, 2003, 86, 3525-3532.	1.0	9

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163	Polyhedral Boranes with Exo Multiple Bonds: Three-Dimensional Inorganic Analogues of Quinones. ChemInform, 2003, 34, no.	0.1	0
164	Vibronic Coupling in Molecules and in Solids. Chemistry - A European Journal, 2003, 9, 575-587.	1.7	18
165	Polyhedral Boranes with Exo Multiple Bonds: Three-Dimensional Inorganic Analogues of Quinones. Angewandte Chemie - International Edition, 2003, 42, 3777-3781.	7.2	12
166	Breaking Down Barriers: The Liaison Between Sigmatropic Shifts, Electrocyclic Reactions, and Three-Center Cations. Angewandte Chemie - International Edition, 2003, 42, 5877-5882.	7.2	20
167	Cover Picture: Breaking Down Barriers: The Liaison Between Sigmatropic Shifts, Electrocyclic Reactions, and Three-Center Cations (Angew. Chem. Int. Ed. 47/2003). Angewandte Chemie - International Edition, 2003, 42, 5777-5777.	7.2	0
168	Propensity of Different AgBr Surfaces for Photoinduced Silver Cluster Formation:Â A Molecular Orbital Analysisâ€. Journal of Physical Chemistry A, 2003, 107, 8184-8190.	1.1	13
169	Why Buy That Theory?. American Scientist, 2003, 91, 9.	0.1	28
170	Electron-Rich Three-Center Bonding:â€‰ Role of s,p Interactions across the p-Block. Journal of the American Chemical Society, 2002, 124, 4787-4795.	6.6	69
171	Bcc and Fcc Transition Metals and Alloys:â€‰ A Central Role for the Jahnâ^'Teller Effect in Explaining Their Ideal and Distorted Structures. Journal of the American Chemical Society, 2002, 124, 4811-4823.	6.6	33
172	Electronic Properties of the Silverâ€“Silver Chloride Cluster Interface. Chemistry - A European Journal, 2002, 8, 1785.	1.7	88
173	Sigmatropic Shiftamers: Fluxionality in Broken Ladderane Polymers. Angewandte Chemie - International Edition, 2002, 41, 1033-1036.	7.2	35
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