

# Roald Hoffmann

## List of Articles by Year in descending order

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363

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35,994

PR citations

3734

87

PR h-index

3569

187

g-index

394

documents

42874

doc citations

4010

92

h-index

26357

citing authors

#	ARTICLE	IF	CITATIONS
1	A 21st Century View of Allowed and Forbidden Electrocyclic Reactions. <i>Journal of Organic Chemistry</i> , 2024, 89, 1018-1034.	3.5	20
2	Variations on the Bergman Cyclization Theme: Electrocyclizations of Ionic Penta-, Hepta-, and Octadiynes. <i>Journal of the American Chemical Society</i> , 2023, 145, 21408-21418.	15.0	5
3	Theoretical Studies of Furan and Thiophene Nanotubes: Structures, Cycloaddition Barriers, and Activation Volumes. <i>Journal of the American Chemical Society</i> , 2022, 144, 9044-9056.	15.0	12
4	Theory of Borazine-Derived Nanotubes: Enumeration, Reaction Pathways, and Piezoelectricity. <i>ACS Nano</i> , 2022, 16, 15884-15893.	15.3	5
5	Synthesis, structure, and magnetic properties of the quaternary oxysulfides $\text{Ln}_5\text{V}_3\text{O}_7\text{S}_6$ (Ln = La, Ce). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 677-688.	0.8	1
6	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part C. Toward Consilience. <i>Angewandte Chemie</i> , 2020, 132, 13798-13814.	1.4	10
7	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part B. The March of Simulation, for Better or Worse. <i>Angewandte Chemie</i> , 2020, 132, 13256-13278.	1.4	4
8	Simulation vs. Understanding: A Tension, in Quantum Chemistry and Beyond. Part A. Stage Setting. <i>Angewandte Chemie</i> , 2020, 132, 12690-12710.	1.4	3
9	Fermi surface studies of the low-temperature structure of sodium. <i>Physical Review B</i> , 2020, 101, .	3.4	8
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. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 5047-5056.	5.1	16
11	Do Diradicals Behave Like Radicals?. <i>Chemical Reviews</i> , 2019, 119, 11291-11351.	52.6	359
12	Squeezing All Elements in the Periodic Table: Electron Configuration and Electronegativity of the Atoms under Compression. <i>Journal of the American Chemical Society</i> , 2019, 141, 10253-10271.	15.0	184
13	Cross Conjugation in Polyenes and Related Hydrocarbons: What Can Be Learned from Valence Bond Theory about Single-Molecule Conductance?. <i>Journal of the American Chemical Society</i> , 2019, 141, 6030-6047.	15.0	34
14	Expanding the Frontiers of Higher-Order Cycloadditions. <i>Accounts of Chemical Research</i> , 2019, 52, 3488-3501.	17.0	128
15	Electronegativity Seen as the Ground-State Average Valence Electron Binding Energy. <i>Journal of the American Chemical Society</i> , 2019, 141, 342-351.	15.0	203
16	High-pressure lithium as an elemental topological semimetal. <i>Physical Review Materials</i> , 2019, 3, .	2.7	11
17	Surface Activation of Transition Metal Nanoparticles for Heterogeneous Catalysis: What We Can Learn from Molecular Dynamics. <i>ACS Catalysis</i> , 2018, 8, 3365-3375.	12.4	70
18	Coarctate and Möbius: The Helical Orbitals of Allene and Other Cumulenes. <i>ACS Central Science</i> , 2018, 4, 688-700.	9.2	58

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19	Quantum Interference, Graphs, Walks, and Polynomials. <i>Chemical Reviews</i> , 2018, 118, 4887-4911.	52.6	59
20	High Hydrides of Scandium under Pressure: Potential Superconductors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6298-6309.	3.1	106
21	All the Ways To Have Substituted Nanothreads. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 1131-1140.	5.1	17
22	Alkali-Metal Trihalides: $M+X_3$ Ion Pair or $MX_2$ Complex?. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3339-3353.	2.7	9
23	Carbon Nitride Nanowire Crystals Derived from Pyridine. <i>Journal of the American Chemical Society</i> , 2018, 140, 4969-4972.	15.0	100
24	Potential Semiconducting and Superconducting Metastable $Si_3C$ Structures under Pressure. <i>Chemistry of Materials</i> , 2018, 30, 421-427.	6.7	5
25	Alkyl Isosteres. <i>Journal of the American Chemical Society</i> , 2018, 140, 12844-12852.	15.0	4
26	Mirrors of Bonding in Metal Halide Perovskites. <i>Journal of the American Chemical Society</i> , 2018, 140, 12996-13010.	15.0	110
27	Eight-coordinate fluoride in a silicate double-four-ring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 828-833.	7.5	21
28	Evidence from Fermi surface analysis for the low-temperature structure of lithium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5389-5394.	7.5	27
29	An Iodobenzene Story. <i>Journal of the American Chemical Society</i> , 2017, 139, 7124-7129.	15.0	11
30	Ternary Gold Hydrides: Routes to Stable and Potentially Superconducting Compounds. <i>Journal of the American Chemical Society</i> , 2017, 139, 8740-8751.	15.0	54
31	<i>Potential high-temperature superconducting lanthanum and yttrium hydrides at high pressure.</i> <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 828-833.	7.5	932
32	Valence Bond Theory Reveals Hidden Delocalized Diradical Character of Polyenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 9302-9316.	15.0	40
33	Dioxygen: What Makes This Triplet Diradical Kinetically Persistent?. <i>Journal of the American Chemical Society</i> , 2017, 139, 9010-9018.	15.0	177
34	The Green's function for the Hückel (tight binding) model. <i>Journal of Mathematical Physics</i> , 2017, 58, .	1.2	20
35	Quasimolecules in Compressed Lithium. <i>Angewandte Chemie</i> , 2017, 129, 992-995.	1.4	20
36	Enhancing the conductivity of molecular electronic devices. <i>Journal of Chemical Physics</i> , 2017, 146, .	2.8	45

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37	Quasimolecules in Compressed Lithium. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 972-975.	14.4	38
38	Reply to Martinez-Canales et al.: The structure(s) of lithium at low temperatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, .	7.5	1
39	Mechanochemical Synthesis of Carbon Nanothread Single Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 16343-16349.	15.0	110
40	Stabilizing a different cyclooctatetraene stereoisomer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9803-9808.	7.5	34
41	Druckeffekte auf organische Reaktionen in Fluiden – eine neue theoretische Perspektive. <i>Angewandte Chemie</i> , 2017, 129, 11278-11295.	1.4	11
42	The Effect of Pressure on Organic Reactions in Fluids – a New Theoretical Perspective. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11126-11142.	14.4	125
43	Donor – Acceptor Strategies for Stabilizing Planar Diplumbenes. <i>Organometallics</i> , 2017, 36, 4825-4833.	2.9	3
44	Why Think Up New Molecules?. <i>American Scientist</i> , 2017, 96, 372.	0.1	11
45	Two Lives. <i>American Scientist</i> , 2017, 98, 117.	0.1	5
46	The Many Guises of Aromaticity. <i>American Scientist</i> , 2017, 103, 18.	0.1	104
47	From Widely Accepted Concepts in Coordination Chemistry to Inverted Ligand Fields. <i>Chemical Reviews</i> , 2016, 116, 8173-8192.	52.6	204
48	Structural Diversity and Electron Confinement in $\text{Li}_4\text{N}$ : Potential for 0-D, 2-D, and 3-D Electrides. <i>Journal of the American Chemical Society</i> , 2016, 138, 14108-14120.	15.0	80
49	Atomic and Ionic Radii of Elements 1 – 96. <i>Chemistry - A European Journal</i> , 2016, 22, 14625-14632.	3.4	385
50	Semiconductive $\text{K}_2\text{MSbS}_3(\text{SH})$ ( $\text{M} = \text{Zn}, \text{Cd}$ ) Featuring One-Dimensional $\text{[M}_2\text{S}_2\text{Sb}_2\text{S}_6(\text{SH})_2]$ Chains. <i>Inorganic Chemistry</i> , 2016, 55, 9742-9747.	4.6	21
51	<i>Homo Citans</i> und Kohlenstoffallotrope: Für eine Ethik des Zitierens. <i>Angewandte Chemie</i> , 2016, 128, 11122-11139.	1.4	18
52	Helical Oligoenes: Conformations, Bond Alternation, and Competing Through-Bond and Through-Space Transmission. <i>Chemistry - A European Journal</i> , 2016, 22, 4878-4888.	3.4	24
53	Revisiting $\text{Ir}(\text{CO})_3\text{Cl}$ . <i>Polyhedron</i> , 2016, 103, 141-149.	2.4	12
54	$\text{AuO}$ : Evolving from Dis- to Comproportionation and Back Again. <i>Inorganic Chemistry</i> , 2016, 55, 1278-1286.	4.6	26

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55	The Dimerization of H <sub>2</sub> NO. Journal of Physical Chemistry A, 2016, 120, 1283-1296.	2.5	5
56	Distinguishing Bonds. Journal of the American Chemical Society, 2016, 138, 3731-3744.	15.0	58
57	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, .	7.5	85
58	Molecular CsF <sub>5</sub> and CsF <sub>2</sub> <sup>+</sup> . Angewandte Chemie - International Edition, 2015, 54, 8275-8278.	14.4	17
59	Molecular CsF <sub>5</sub> and CsF <sub>2</sub> <sup>+</sup> . Angewandte Chemie, 2015, 127, 8393-8396.	1.4	8
60	Anomalous orbital admixture in ammine complexes. Journal of Organometallic Chemistry, 2015, 792, 6-12.	2.1	5
61	Theoretical Study of Phase Separation of Scandium Hydrides under High Pressure. Journal of Physical Chemistry C, 2015, 119, 5614-5625.	3.1	40
62	High-Pressure Electrides: The Chemical Nature of Interstitial Quasiatoms. Journal of the American Chemical Society, 2015, 137, 3631-3637.	15.0	173
63	Toward an Experimental Quantum Chemistry: Exploring a New Energy Partitioning. Journal of the American Chemical Society, 2015, 137, 10282-10291.	15.0	41
64	Exponential Attenuation of Through-Bond Transmission in a Polyene: Theory and Potential Realizations. ACS Nano, 2015, 9, 11109-11120.	15.3	56
65	Linearly Polymerized Benzene Arrays As Intermediates, Tracing Pathways to Carbon Nanotubes. Journal of the American Chemical Society, 2015, 137, 14373-14386.	15.0	106
66	Chemical bonding in hydrogen and lithium under pressure. Journal of Chemical Physics, 2015, 143, .	2.8	29
67	Tension in Chemistry and Its Contents. Accountability in Research, 2015, 22, 330-345.	2.5	4
68	Li-Filled, B-Substituted Carbon Clathrates. Journal of the American Chemical Society, 2015, 137, 12639-12652.	15.0	49
69	Tuning the Ground State Symmetry of Acetylenyl Radicals. ACS Central Science, 2015, 1, 270-278.	9.2	5
70	Quantum interference in polyenes. Journal of Chemical Physics, 2014, 141, 224311.	2.8	59
71	High Pressure Electrides: A Predictive Chemical and Physical Theory. Accounts of Chemical Research, 2014, 47, 1311-1317.	17.0	260
72	Frontier Orbital Control of Molecular Conductance and its Switching. Angewandte Chemie - International Edition, 2014, 53, 4093-4097.	14.4	84

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73	Novel Si Networks in the Ca/Si Phase Diagram under Pressure. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25167-25175.	3.1	16
74	Tuning Spin-States of Carbynes and Silylynes: A Long Jump with One Leg. <i>Journal of the American Chemical Society</i> , 2014, 136, 13388-13398.	15.0	13
75	Silicon Monoxide at 1 atm and Elevated Pressures: Crystalline or Amorphous?. <i>Journal of the American Chemical Society</i> , 2014, 136, 3410-3423.	15.0	28
76	Lithium hydroxide, LiOH, at elevated densities. <i>Journal of Chemical Physics</i> , 2014, 141, .	2.8	24
77	Frontier Orbital Control of Molecular Conductance and its Switching. <i>Angewandte Chemie</i> , 2014, 126, 4177-4181.	1.4	21
78	Seeking Small Molecules for Singlet Fission: A Heteroatom Substitution Strategy. <i>Journal of the American Chemical Society</i> , 2014, 136, 12638-12647.	15.0	143
79	The Low-Lying Electronic States of Pentacene and Their Roles in Singlet Fission. <i>Journal of the American Chemical Society</i> , 2014, 136, 5755-5764.	15.0	219
80	The Unusual and the Expected in the Si/C Phase Diagram. <i>Journal of the American Chemical Society</i> , 2013, 135, 11651-11656.	15.0	50
81	Squarogitter: A 3,4-Connected Carbon Net. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 3855-3859.	5.1	10
82	How to Make the $\text{f}^0\text{d}^2$ Singlet the Ground State of Carbenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 13954-13964.	15.0	46
83	Evolving Structural Diversity and Metallicity in Compressed Lithium Azide. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20838-20846.	3.1	57
84	Condensed Astatine: Monatomic and Metallic. <i>Physical Review Letters</i> , 2013, 111, .	8.2	40
85	Isotopic differentiation and sublattice melting in dense dynamic ice. <i>Physical Review B</i> , 2013, 88, .	3.4	14
86	Iodine ( $\text{I}_2$ ) as a Janus-Faced Ligand in Organometallics. <i>Journal of the American Chemical Society</i> , 2013, 135, 3262-3275.	15.0	81
87	Klein, aber oho: was die Nanowissenschaft von der Chemie lernen kann. <i>Angewandte Chemie</i> , 2013, 125, 99-111.	1.4	15
88	Binary Compounds of Boron and Beryllium: A Rich Structural Arena with Space for Predictions. <i>Chemistry - A European Journal</i> , 2013, 19, 4184-4197.	3.4	29
89	One Molecule, Two Atoms, Three Views, Four Bonds?. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3020-3033.	14.4	141
90	Two-Dimensional CdSe Nanosheets and their Interaction with Stabilizing Ligands. <i>Advanced Materials</i> , 2013, 25, 261-266.	24.5	41

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91	A Response to the Critical Comments on "One Molecule, Two Atoms, Three Views, Four Bonds". <i>Angewandte Chemie</i> , 2013, 125, 6040-6042.	1.4	14
92	Hypervalent Compounds as Ligands: I <sub>3</sub> <sup>-</sup> -Anion Adducts with Transition Metal Pentacarbonyls. <i>Inorganic Chemistry</i> , 2013, 52, 7161-7171.	4.6	25
93	Theoretical study of the ground-state structures and properties of niobium hydrides under pressure. <i>Physical Review B</i> , 2013, 88, .	3.4	70
94	The Close Relationships between the Crystal Structures of MO and MSO <sub>4</sub> (M = Group 10, 11, or 12). <i>Journal of Solid State Chemistry</i> , 2013, 2013, 5094-5102.	1.8	5
95	Ein Molekül, zwei Atome, drei Ansichten, vier Bindungen?. <i>Angewandte Chemie</i> , 2013, 125, 3094-3109.	1.4	34
96	LiB and its boron-deficient variants under pressure. <i>Physical Review B</i> , 2012, 86, .	3.4	23
97	High pressure ices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 745-750.	7.5	97
98	Molecular Orbitals of the Oxocarbons (CO) <sub>n</sub> , n = 2-6. Why Does (CO) <sub>4</sub> Have a Triplet Ground State?. <i>Journal of the American Chemical Society</i> , 2012, 134, 10259-10270.	15.0	50
99	Graphane Nanotubes. <i>ACS Nano</i> , 2012, 6, 7142-7150.	15.3	36
100	A fresh look at dense hydrogen under pressure. I. An introduction to the problem, and an index probing equalization of H-H distances. <i>Journal of Chemical Physics</i> , 2012, 136, .	2.8	69
101	A fresh look at dense hydrogen under pressure. II. Chemical and physical models aiding our understanding of evolving H-H separations. <i>Journal of Chemical Physics</i> , 2012, 136, .	2.8	45
102	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. <i>Journal of Chemical Physics</i> , 2012, 136, .	2.8	39
103	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. <i>Journal of Chemical Physics</i> , 2012, 136, .	2.8	29
104	From Wade-Mingos to Zintl-Klemm at 100 GPa: Binary Compounds of Boron and Lithium. <i>Journal of the American Chemical Society</i> , 2012, 134, 18606-18618.	15.0	59
105	Jailbreaking Benzene Dimers. <i>Journal of the American Chemical Society</i> , 2012, 134, 8062-8065.	15.0	29
106	LiBeB: A predicted phase with structural and electronic peculiarities. <i>Physical Review B</i> , 2012, 86, .	3.4	14
107	Lithium Amide (LiNH <sub>2</sub> ) Under Pressure. <i>Journal of Physical Chemistry A</i> , 2012, 116, 10027-10036.	2.5	17
108	Making Sense of Boron-Rich Binary Be-B Phases. <i>Inorganic Chemistry</i> , 2012, 51, 9066-9075.	4.6	23

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109	Stabilizing H <sub>3</sub> <sup>+</sup> : Or Are We Stabilizing a Proton?. ChemPhysChem, 2012, 13, 2286-2288.	1.9	8
110	WH <sub>6</sub> under pressure. Journal of Physics Condensed Matter, 2012, 24, 155701.	2.3	30
111	Hunting dimers. Theoretical Chemistry Accounts, 2012, 131, .	1.3	6
112	Molecular models for WH <sub>6</sub> under pressure. New Journal of Chemistry, 2011, 35, 2349.	2.4	11
113	Graphane sheets and crystals under pressure. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6833-6837.	7.5	135
114	Connecting the Chemical and Physical Viewpoints of What Determines Structure: From 1-D Chains to $\beta$ -Brasses. Chemical Reviews, 2011, 111, 4522-4545.	52.6	59
115	BH <sub>3</sub> under Pressure: Leaving the Molecular Diborane Motif. Journal of the American Chemical Society, 2011, 133, 21002-21009.	15.0	36
116	(Barely) Solid Li(NH <sub>3</sub> ) <sub>4</sub> : The Electronics of an Expanded Metal. Journal of the American Chemical Society, 2011, 133, 3535-3547.	15.0	45
117	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.	15.0	162
118	Freezing in Resonance Structures for Better Packing: XeF <sub>2</sub> Becomes (XeF <sub>2</sub> ) <sup>+</sup> (F <sup>-</sup> ) at Large Compression. Inorganic Chemistry, 2011, 50, 3832-3840.	4.6	58
119	High Pressure Stabilization and Emergent Forms of $\text{PbH}_4$ . Physical Review Letters, 2011, 107, .	8.2	57
120	International Year of Chemistry 2011: Sustainable Development. Clinical Chemistry, 2011, 57, 144-144.	1.1	1
121	Segregation into Layers: A General Problem for Structural Instability under Pressure, Exemplified by SnH <sub>4</sub> . ChemPhysChem, 2010, 11, 3105-3112.	1.9	14
122	Exploring Group 14 Structures: 1D to 2D to 3D. Chemistry - A European Journal, 2010, 16, 6555-6566.	3.4	29
123	JUST WHEN WE ARE SAFEST. Yale Review, 2010, 98, 126-127.	0.0	0
124	Double-diamond NaAl via pressure: Understanding structure through Jones zone activation. Journal of Chemical Physics, 2010, 132, .	2.8	8
125	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.	7.5	126
126	Playing the Quantum Chemical Slot Machine: An Exploration of ABX <sub>2</sub> Compounds. Inorganic Chemistry, 2010, 49, 249-260.	4.6	6

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127	Compressing the Most Hydrogen-Rich Inorganic Ion. <i>Journal of the American Chemical Society</i> , 2010, 132, 748-755.	15.0	26
128	Element Lines: Bonding in the Ternary Gold Polyphosphides, Au <sub>2</sub> MP <sub>2</sub> with M = Pb, Tl, or Hg. <i>Journal of the American Chemical Society</i> , 2009, 131, 2199-2207.	15.0	23
129	A little bit of lithium does a lot for hydrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17640-17643.	7.5	275
130	Lithium-Ammoniak-Lösungen: eine molekulare Betrachtung. <i>Angewandte Chemie</i> , 2009, 121, 8344-8381.	1.4	11
131	Group 12 Dihalides: Structural Predilections from Gases to Solids. <i>Chemistry - A European Journal</i> , 2009, 15, 158-177.	3.4	47
132	Large-Scale Soft Colloidal Template Synthesis of 1.4-...nm Thick CdSe Nanosheets. <i>Angewandte Chemie</i> , 2009, 121, 6993-6996.	1.4	62
133	A Molecular Perspective on Lithium-Ammonia Solutions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8198-8232.	14.4	178
134	Large-Scale Soft Colloidal Template Synthesis of 1.4-...nm Thick CdSe Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6861-6864.	14.4	318
135	Half-Bonds in an Unusual Coordinated S <sub>4</sub> <sup>2+</sup> Rectangle. <i>Chemistry - an Asian Journal</i> , 2009, 4, 302-313.	3.0	12
136	The Contributions of Through-Bond Interactions to the Singlet-Triplet Energy Difference in 1,3-Dehydrobenzene. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10351-10358.	2.5	18
137	S <sub>4</sub> <sup>2+</sup> Rings, Disulfides, and Sulfides in Transition-Metal Complexes: The Subtle Interplay of Oxidation and Structure. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2864-2868.	14.4	43
138	S <sub>4</sub> <sup>2+</sup> Rings, Disulfides, and Sulfides in Transition-Metal Complexes: The Subtle Interplay of Oxidation and Structure. <i>Angewandte Chemie</i> , 2008, 120, 2906-2910.	1.4	12
139	Moleküle in Not und was wir von ihnen lernen. <i>Angewandte Chemie</i> , 2008, 120, 4548-4556.	1.4	31
140	Die Vorhersage von Molekülen mehr Realismus bitte!. <i>Angewandte Chemie</i> , 2008, 120, 7276-7279.	1.4	35
141	Parallel disulfido bridges in bi- and poly-nuclear transition metal compounds: Bonding flexibility induced by redox chemistry. <i>Inorganica Chimica Acta</i> , 2008, 361, 3631-3637.	2.8	7
142	Emergent reduction of electronic state dimensionality in dense ordered Li-Be alloys. <i>Nature</i> , 2008, 451, 445-448.	37.9	124
143	Theoretical Indications of Singular Structural and Electronic Features of Laves-Phase CaLi <sub>2</sub> Under Pressure. <i>Physical Review Letters</i> , 2007, 98, .	8.2	25
144	Electronic Effects in CO Chemisorption on Pt-Pb Intermetallic Surfaces: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17357-17369.	3.1	19

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145	Structure and bonding in boron carbide: The invincibility of imperfections. <i>New Journal of Chemistry</i> , 2007, 31, 473.	2.4	126
146	A Pnictogen of Peculiar Posture. <i>Inorganic Chemistry</i> , 2007, 46, 9146-9154.	4.6	2
147	Tuning the Bergman Cyclization by Introduction of Metal Fragments at Various Positions of the Eneidyne. <i>Metalla-Bergman Cyclizations</i> . <i>Journal of the American Chemical Society</i> , 2007, 129, 4401-4409.	15.0	37
148	A Quantum Mechanically Guided View of $Mg_{44}Rh_7$ . <i>Chemistry - A European Journal</i> , 2007, 13, 7852-7863.	3.4	21
149	Interpenetrating Polar and Nonpolar Sublattices in Intermetallics: The $NaCd_2$ Structure. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1958-1976.	14.4	76
150	The Chemical Imagination at Work in Very Tight Places. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3620-3642.	14.4	442
151	Sich durchdringende polare und unpolare Untergitter in intermetallischen Phasen: die Struktur von $NaCd_2$ . <i>Angewandte Chemie</i> , 2007, 119, 2004-2023.	1.4	19
152	Chemie unter härtesten Drücken: eine Herausforderung für die chemische Intuition. <i>Angewandte Chemie</i> , 2007, 119, 3694-3717.	1.4	49
153	Titelbild: Sich durchdringende polare und unpolare Untergitter in intermetallischen Phasen: die Struktur von $NaCd_2$ ( <i>Angew. Chem.</i> 12/2007). <i>Angewandte Chemie</i> , 2007, 119, 1971-1971.	1.4	0
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