

# Hans-Jörg Himmel

## List of Publications by Year in descending order

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199  
papers

5,187  
citations

87888

38  
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161849

54  
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219  
all docs

219  
docs citations

219  
times ranked

2609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactions of Ground State and Electronically Excited Atoms of Main Group Elements: a Matrix Perspective. <i>Chemical Reviews</i> , 2002, 102, 4191-4242.	47.7	141
2	Intrinsic Dinitrogen Activation at Bare Metal Atoms. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6264-6288.	13.8	117
3	Formation and Characterization of the Gallium and Indium Subhydride Molecules Ga <sub>2</sub> H <sub>2</sub> and In <sub>2</sub> H <sub>2</sub> : A Matrix Isolation Study. <i>Journal of the American Chemical Society</i> , 2002, 124, 4448-4457.	13.7	96
4	1,2,4,5-tetrakis(tetramethylguanidino)benzene: Synthesis and Properties of a New Molecular Electron Donor. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5907-5914.	2.4	91
5	What Makes a Strong Organic Electron Donor (or Acceptor)?. <i>Chemistry - A European Journal</i> , 2015, 21, 8578-8590.	3.3	75
6	Thermal and Photochemical Reactions of Aluminum, Gallium, and Indium Atoms (M) in the Presence of Ammonia: A Generation and Characterization of the Species M·NH <sub>3</sub> , HMNH <sub>2</sub> , MNH <sub>2</sub> , and H <sub>2</sub> MNH <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2000, 122, 9793-9807.	13.7	72
7	Synthesis of a Stable B <sub>2</sub> H <sub>5</sub> <sup>+</sup> Analogue by Protonation of a Double Base-Stabilized Diborane(4). <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5538-5541.	13.8	71
8	Synthesis and Characterization of a New Guanidine-Borane Complex and a Dinuclear Boron(II) Hydride with Bridging Guanidinate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4530-4534.	2.0	69
9	On the Electronic Structure of Ni <sup>II</sup> Complexes That Feature Chelating Bisguanidine Ligands. <i>Chemistry - A European Journal</i> , 2010, 16, 1336-1350.	3.3	67
10	Relativistic Effects on the Topology of the Electron Density. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 2182-2197.	5.3	65
11	Cleavage of the N <sub>2</sub> Triple Bond by the Ti Dimer: A Route to Molecular Materials for Dinitrogen Activation?. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2799-2802.	13.8	64
12	Syntheses of the First Coordination Compounds of the New Strong Molecular Electron Donor and Double Proton Sponge 1,4,5,8-tetrakis(tetramethylguanidino)naphthalene. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 115-126.	2.0	64
13	Structural motifs and reactivity of small molecules containing subvalent Group 13 elements: matrix isolation and quantum chemical studies. <i>Dalton Transactions</i> , 2003, , 3639.	3.3	63
14	A boron-boron coupling reaction between two ethyl cation analogues. <i>Nature Chemistry</i> , 2013, 5, 1029-1034.	13.6	62
15	Synthesis and Structural Characterization of a Stable Dimeric Boron(II) Dication. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9110-9113.	13.8	61
16	Guanidinyll-functionalized Aromatic Compounds (GFAs) - Charge and Spin Density Studies as Starting Points for the Development of a New Class of Redox-active Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1940-1952.	1.2	60
17	The Doubly Base-Stabilized Diborane(4) [HB(1/4hpp)] <sub>2</sub> (hpp =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 112 Td and Reactions with S <sub>8</sub> and Disulfides. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5201-5210.	2.0	59
18	The Electronic Structure of the Tris(ethylene) Complexes [M(C <sub>2</sub> H <sub>4</sub> ) <sub>3</sub> ] (M=Ni, Pd, and Pt): A Combined Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2007, 13, 10078-10087.	3.3	57

#	ARTICLE	IF	CITATIONS
19	On the Chemistry of the Strong Organic Electron Donor 1,2,4,5-tetrakis(tetramethylguanidino)benzene: Electron Transfer in Donor-Acceptor Couples and Binuclear Late Transition Metal Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3791-3800.	2.0	57
20	Heats of Hydrogenation of Compounds Featuring Main Group Elements and with the Potential for Multiply Bonding. <i>Chemistry - A European Journal</i> , 2002, 8, 2397.	3.3	54
21	The Flexible Coordination Modes of Guanidine Ligands in Zn Alkyl and Halide Complexes: Chances for Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 83-90.	2.0	54
22	Subvalent Compounds Featuring Direct Metal-Metal Bonds: The Zn <sub>2</sub> Zn Bond in [Cp* <sub>2</sub> Zn <sub>2</sub> ]. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3006-3008.	13.8	53
23	Characterization and Photochemistry of the Gallium and Indium Subhydrides Ga <sub>2</sub> H <sub>2</sub> and In <sub>2</sub> H <sub>2</sub> This work was supported by the Deutsche Forschungsgemeinschaft (Habilitation grant to H.J. H.), the CNRS (L. M.), and the EPSRC (A. J. D.). <i>Angewandte Chemie - International Edition</i> , 2002, 41, 796.	13.8	52
24	Why Does a Ga <sub>2</sub> Dimer React Spontaneously with H <sub>2</sub> , but a Ga Atom Does Not? A Detailed Quantum Chemical Investigation of the Differences in Reactivity Between Ga Atoms and Ga <sub>2</sub> Dimers, in Combination with Experimental Results. <i>Chemistry - A European Journal</i> , 2003, 9, 3909-3919.	3.3	49
25	Mono- and Diprotonation of the Superbasic Bisguanidine 1,2-bis((N,N,N',N'-tetramethylguanidino)benzene (btmgb) and Pt <sup>II</sup> and Pt <sup>IV</sup> Complexes of Chelating Bisguanidines and Guanidines. <i>Chemistry - A European Journal</i> , 2008, 14, 7813-7821.	3.3	49
26	Stabilization and Activation: New Alkyl Complexes of Zinc, Magnesium and Cationic Aluminium Featuring Chelating Bisguanidine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4795-4808.	2.0	49
27	Combining NMR of Dynamic and Paramagnetic Molecules: Fluxional High-Spin Nickel(II) Complexes Bearing Bisguanidine Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 1942-1955.	4.0	48
28	The First Cyanomethyl Complex of Gold, Synthesized by Reaction of a Au <sup>I</sup> Complex with Acetonitrile in the Presence of a New Guanidine Superbase. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4783-4789.	2.0	47
29	Thermal and Photolytic Reactions of Gallium and Indium Atoms (M) and Their Dimers M <sub>2</sub> with Carbon Monoxide in Low-Temperature Matrices: Formation of Terminal, Bridged, and Ionic Carbonyl Derivatives. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3642-3654.	2.5	46
30	Valence tautomerism in copper coordination chemistry. <i>Inorganica Chimica Acta</i> , 2018, 481, 56-68.	2.4	46
31	Chemistry of Guanidinate-Stabilised Diboranes: Transition-Metal-Catalysed Dehydrocoupling and Hydride Abstraction. <i>Chemistry - A European Journal</i> , 2014, 20, 12514-12527.	3.3	45
32	Characterization of Isolated Ga <sub>2</sub> Molecules by Resonance Raman Spectroscopy and Variations of Ga-Ga Bonding. <i>Chemistry - A European Journal</i> , 2004, 10, 5936-5941.	3.3	44
33	Low valent and would-be multiply bonded derivatives of the Group 13 metals Al, Ga and In revealed through matrix isolation. <i>Polyhedron</i> , 2002, 21, 473-488.	2.2	42
34	Successive Ligand and Metal Oxidation: Redox Reactions Involving Binuclear Cu <sup>I</sup> Complexes of Chelating Guanidine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1839-1846.	2.0	42
35	Diborane(4)-metal bonding: between hydrogen bridges and frustrated oxidative addition. <i>Chemical Communications</i> , 2012, 48, 5277.	4.1	42
36	The First Metal Complexes of the Proton Sponge 1,8-Bis(N,N,N',N'-tetramethylguanidino)naphthalene: Syntheses and Properties. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4440-4447.	2.0	41

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37	Reactions of Aluminum, Gallium, and Indium (M) Atoms with Phosphine: Generation and Characterization of the Species $M\cdot PH_3$ , $HMPH_2$ , and $H_2MPH$ . <i>Inorganic Chemistry</i> , 2001, 40, 396-407.	4.0	40
38	Efficient n-Doping and Hole Blocking in Single-Walled Carbon Nanotube Transistors with 1,2,4,5-Tetrakis(tetramethylguanidino)benzene. <i>ACS Nano</i> , 2018, 12, 5895-5902.	14.6	40
39	A Valence Tautomeric Dinuclear Copper Tetrakisguanidine Complex. <i>Chemistry - A European Journal</i> , 2016, 22, 10438-10445.	3.3	39
40	Formation and Characterization of the Indium Hydride Molecules $H_2InCl$ and $HInCl_2$ : Matrix Isolation and Quantum Chemical Studies. <i>Journal of the American Chemical Society</i> , 2000, 122, 922-930.	13.7	38
41	Trapped in a Complex: the 1,2,4,5-tetrakis(tetramethylguanidino)benzene Radical Cation ( $tmgbc^+$ ) with a Bisallylic Structure. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3102-3108.	2.0	38
42	Wrapping an Organic Reducing Reagent in a Cationic Boron Complex and Its Use in the Synthesis of Polyhalide Monoanionic Networks. <i>Chemistry - A European Journal</i> , 2012, 18, 14108-14116.	3.3	38
43	Copper Complexes of New Redox-Active 4,5-Bisguanidino-Substituted Benzodioxole Ligands: Control of the Electronic Structure by Counter-Ligands, Solvent, and Temperature. <i>Chemistry - A European Journal</i> , 2016, 22, 16187-16199.	3.3	38
44	A Stable Hexakis(guanidino)benzene: Realization of the Strongest Neutral Organic Four-Electron Donor. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3360-3363.	13.8	37
45	Dinitrogen fixation and activation by Ti and Zr atoms, clusters and complexes. <i>New Journal of Chemistry</i> , 2006, 30, 1253.	2.8	36
46	First Dinuclear B(II) Monocations with Bridging Guanidinate Ligands: Synthesis and Properties. <i>Inorganic Chemistry</i> , 2008, 47, 4774-4778.	4.0	36
47	Mono- and Dinuclear Ni <sup>II</sup> and Co <sup>II</sup> Complexes that Feature Chelating Guanidine Ligands: Structural Characteristics and Molecular Magnetism. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4770-4782.	2.0	36
48	Reactions between Boron and Magnesium Halides and the Bicyclic Guanidine $hppH$ (1,3,4,6,7,8-hexahydro-2H-pyrimido[1,2-a]pyrimidine): Guanidines with New Structural Motifs. <i>Zeitschrift Für Anorganische Und Allgemeine Chemie</i> , 2010, 636, 543-550.	1.2	36
49	Redox-Active Guanidine Ligands with Pyridine and <i>p</i> -Benzoquinone Backbones. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4833-4845.	2.0	36
50	Synthesis and Characterization of a Doubly Base-Stabilized $B_3H_6^+$ Analogue. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10444-10447.	13.8	35
51	Bonding in Diborane-Metal Complexes: A Quantum-Chemical and Experimental Study of Complexes Featuring Early and Late Transition Metals. <i>Chemistry - A European Journal</i> , 2013, 19, 7395-7409.	3.3	35
52	Tetraguanidino-functionalized phenazine and fluorene dyes: synthesis, optical properties and metal coordination. <i>Dalton Transactions</i> , 2015, 44, 3467-3485.	3.3	35
53	Compounds featuring a bond between a Group 13 (M) and a Group 15 element (N or P) and with the formulae $HmMNH_n$ and $HmMPH_n$ : structural aspects and bonding. <i>Dalton Transactions RSC</i> , 2001, , 535-545.	2.3	34
54	A Radical Tricationic Rhomboid Tetraborane(4) with Four-Center, Five-Electron Bonding. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4345-4347.	13.8	34

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55	Thermal and Catalytic Dehydrogenation of the Guanidine-Borane Adducts H3B·hppH (hppH = Tj ETQq1 1 0.784314 rgBT /Overlock 10 Quantum Chemical Study. European Journal of Inorganic Chemistry, 2008, 2008, 5482-5493.	2.0	33
56	Guanidines as Reagents in Proton-Coupled Electron-Transfer Reactions and Redox Catalysts. Synlett, 2018, 29, 1957-1977.	1.8	33
57	The Borane Complexes Htbo·BH3 and Htbn·BH3 (Htbo = 1,4,6-Triazabicyclo[3.3.0]oct-4-ene, Htbn =) Tj ETQq1 1 0.784314 rgBT /Ov European Journal of Inorganic Chemistry, 2009, 2009, 4809-4819.	2.0	32
58	Oxidation of Organic Molecules with a Redox-Active Guanidine Catalyst. Angewandte Chemie - International Edition, 2017, 56, 16410-16413.	13.8	32
59	Synthesis and Characterization of Novel Guanidine Ligands Featuring Biphenyl or Binaphthyl Backbones. European Journal of Inorganic Chemistry, 2011, 2011, 1302-1314.	2.0	31
60	The control of the electronic structure of dinuclear copper complexes of redox-active tetrakisguanidine ligands by the environment. Dalton Transactions, 2016, 45, 15828-15839.	3.3	31
61	An Alternative Way of Characterising the Bonding in Compounds Featuring Main-Group Elements and with the Potential for Multiple Bonding: On the Dissociation of Binary Main-Group Hydrides. Chemistry - A European Journal, 2003, 9, 748-755.	3.3	30
62	Synthesis and Structural Characterisation of cis- and trans-[(hppH)2PtCl2], [(hppH)3PtCl]+Cl- and Some New Salts of the [hppH2]+ Cation (hppH = 1,3,4,6,7,8-Hexahydro-2H-pyrimido[1,2-a]pyrimidine): The Importance of Hydrogen Bonding. European Journal of Inorganic Chemistry, 2008, 2008, 1248-1257.	2.0	30
63	Tuning the Properties of Redox-Active Guanidino-Functionalized Aromatic Ligands by Substitution: Experiment and Theory. European Journal of Inorganic Chemistry, 2012, 2012, 1620-1631.	2.0	29
64	Inter- and Intramolecular Electron Transfer in Copper Complexes: Electronic Entatic State with Redox-Active Guanidine Ligands. Chemistry - A European Journal, 2017, 23, 13607-13611.	3.3	28
65	Charge and Thermoelectric Transport in Polymer-Sorted Semiconducting Single-Walled Carbon Nanotube Networks. ACS Nano, 2020, 14, 15552-15565.	14.6	28
66	Counter-ligand control of the electronic structure in dinuclear copper-tetrakisguanidine complexes. Dalton Transactions, 2015, 44, 19111-19125.	3.3	27
67	Tuning the nucleophilicity of electron-rich diborane(4) compounds with bridging guanidinate substituents by substitution. Dalton Transactions, 2018, 47, 2009-2017.	3.3	27
68	Spectroscopic Evidence for a Dinitrogen Complex of Gallium and Estimation of the Ga-N2 Bond Strength. Chemistry - A European Journal, 2005, 11, 4096-4102.	3.3	26
69	Reactivity of titanium dimer and molecular nitrogen in rare gas matrices. Vibrational and electronic spectra and structure of Ti2N2. Physical Chemistry Chemical Physics, 2006, 8, 2000-2011.	2.8	26
70	One- versus Two-Electron Oxidation of Complexed Guanidino-Functionalized Aromatic Compounds. European Journal of Inorganic Chemistry, 2014, 2014, 6039-6050.	2.0	26
71	Calculated Enthalpies for Dimerisation of Binary, Unsaturated, Main-Group Element Hydrides as a Means to Analyse Their Potential for Multiple Bonding. European Journal of Inorganic Chemistry, 2003, 2003, 2153-2163.	2.0	25
72	1,1,3,3-Tetramethylguanidine-gallane, (Me2N)2CN(H)-GaH3: an unusually strongly bound gallane adduct. Dalton Transactions, 2005, , 1591-1597.	3.3	25

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73	Donor–Acceptor Couples and Late Transition Metal Complexes of Oxidation-Labile 1,4,5,8-tetrakis(guanidino)naphthalene Superbases. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1593-1604.	2.0	25
74	Zinc Halide and Alkylzinc Complexes of a Neutral Doubly Base-Stabilized Diborane(4). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2657-2661.	2.0	25
75	Radical Monocationic Guanidino-Functionalized Aromatic Compounds (GFAs) as Bridging Ligands in Dinuclear Metal Acetate Complexes: Synthesis, Electronic Structure, and Magnetic Coupling. <i>Inorganic Chemistry</i> , 2016, 55, 1683-1696.	4.0	25
76	On the Dual Reactivity of a Nucleophilic Dihydrodiborane: Reaction at the B–B Bond and/or the B–H Bond. <i>Chemistry - A European Journal</i> , 2018, 24, 1209-1216.	3.3	25
77	Electron-Deficient Triborane and Tetraborane Ring Compounds: Synthesis, Structure, and Bonding. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11600-11617.	13.8	25
78	Amidoalane, amidogallane and amidoindane, H <sub>2</sub> MNH <sub>2</sub> (M = Al, Ga or In): a matrix study of three prototypal molecules with the potential for M–N multiple bonding. <i>Chemical Communications</i> , 2000, , 871-872.	4.1	24
79	Metal Cluster Models for Heterogeneous Catalysis: A Matrix-Isolation Perspective. <i>Chemistry - A European Journal</i> , 2018, 24, 8941-8961.	3.3	24
80	Bisguanidines with Biphenyl, Binaphthyl, and Bipyridyl Cores: Proton-Sponge Properties and Coordination Chemistry. <i>Chemistry - A European Journal</i> , 2013, 19, 8958-8977.	3.3	23
81	Redox-Controlled Hydrogen Bonding: Turning a Superbase into a Strong Hydrogen-Bond Donor. <i>Chemistry - A European Journal</i> , 2014, 20, 5914-5925.	3.3	23
82	Trinuclear Complexes and Coordination Polymers of Redox-Active Guanidino-Functionalized Aromatic (GFA) Compounds with a Triphenylene Core. <i>Inorganic Chemistry</i> , 2014, 53, 9876-9896.	4.0	23
83	Ein radikaltrikationisches Tetraboran(4) mit rhombischer Struktur und Vier-Zentren-1/4-nf-Elektronen-Bindung. <i>Angewandte Chemie</i> , 2016, 128, 4417-4420.	2.0	23
84	On the reactivity of subvalent compounds of the Group 13 elements: exploration of the mechanism for the reactions of MCl (M = Ga or In) with dihydrogen to give H <sub>2</sub> MCl. Dedicated to Professor D. Fenske on the occasion of his 60th birthday.. <i>Dalton Transactions RSC</i> , 2002, , 2678-2682.	2.3	22
85	A New Class of Binuclear Gallium Hydrides: Synthesis and Properties of [{GaCl(hpp)H} <sub>2</sub> ] (hpp=1,3,4,6,7,8-Hexahydro-2H-pyrimido[1,2-a]pyrimidate). <i>Chemistry - A European Journal</i> , 2007, 13, 2648-2654.	3.3	22
86	Synthesis and Characterisation of Some New Zinc Carbamate Complexes Formed by CO <sub>2</sub> Fixation and Their Use as Precursors for ZnO Particles under Mild Conditions. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3177-3185.	2.0	22
87	Synthesis of Trinuclear, Dinuclear and Mononuclear Carbamate-Zinc Complexes from Tetranuclear Precursors: A Top-Down Synthetic Approach to New Carbamates. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2170-2178.	2.0	22
88	Metal-Free C–C Coupling Reactions with Tetraguanidino-Functionalized Pyridines and Light. <i>Chemistry - A European Journal</i> , 2014, 20, 5288-5297.	3.3	22
89	Thermochromism of Cu <sup>I</sup> Tetrakisguanidine Complexes: Reversible Activation of Metal–Ligand Charge-Transfer Bands. <i>Chemistry - A European Journal</i> , 2015, 21, 16494-16503.	3.3	22
90	Urea Azines (Bisguanidines): Electronic Structure, Redox Properties, and Coordination Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2345-2361.	2.0	22

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91	Cyclic and Linear NiO <sub>2</sub> : A Multireference Configuration Interaction Study. <i>Journal of Physical Chemistry A</i> , 2012, 116, 9181-9188.	2.5	21
92	Ein stabiles Hexakis(guanidino)benzol: Synthese des stärksten neutralen organischen Vier-Elektronen-Donors. <i>Angewandte Chemie</i> , 2017, 129, 3408-3412.	2.0	21
93	Catalytic Aerobic Phenol Homo- and Cross-Coupling Reactions with Copper Complexes Bearing Redox-Active Guanidine Ligands. <i>Chemistry - A European Journal</i> , 2019, 25, 8279-8288.	3.3	21
94	Gal as Ligand in Transition-Metal Complexes: An Alternative to CO or N <sub>2</sub> ?. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6326-6328.	13.8	20
95	Novel Bi- and Trinuclear Gallium Halides and Hydrides with Acyclic and Bicyclic Guanidinate Substituents: Synthesis and Reactivity. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4952-4961.	2.0	20
96	Dehydrogenative Coupling Reactions with Oxidized Guanidino-Functionalized Aromatic Compounds: Novel Options for C-H Bond Activation. <i>Chemistry - A European Journal</i> , 2016, 22, 11971-11976.	3.3	20
97	Nucleophilic Neutral Diborane(4) Compounds with sp <sup>3</sup> -Hybridized Boron Atoms. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2139-2154.	2.0	20
98	Stimulation of Redox-Induced Electron Transfer by Interligand Hydrogen Bonding in a Cobalt Complex with Redox-Active Guanidine Ligand. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10415-10422.	13.8	20
99	Highly Oxidized Semiconducting Coordination Polymers – Coupled Oxidation and Coordination of Guanidine Electron Donors. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3156-3167.	2.0	19
100	Construction of copper chains with new fluorescent guanidino-functionalized naphthyridine ligands. <i>Dalton Transactions</i> , 2016, 45, 16966-16983.	3.3	19
101	Homo- and Heterobinuclear Cu and Pd Complexes with a Bridging Redox-Active Bisguanidino-Substituted Dioxolene Ligand: Electronic Structure and Metal-Ligand Electron Transfer. <i>Chemistry - A European Journal</i> , 2017, 23, 11636-11648.	3.3	19
102	Ti <sub>2</sub> : Accurate Determination of the Dissociation Energy from Matrix Resonance Raman Spectra and Chemical Interaction With Noble Gases. <i>Chemistry - A European Journal</i> , 2004, 10, 627-633.	3.3	18
103	Synthesis and structural characterisation of primary amine adducts of gallane, RH <sub>2</sub> N-GaH <sub>3</sub> , and of their decomposition products, [RHNGaH <sub>2</sub> ] <sub>n</sub> (R = Me, n = 3; R = tBu, n = 2). <i>Dalton Transactions</i> , 2005, , 3281.	3.3	18
104	Repeated Dihydrogen Elimination from Boranes and Gallanes Stabilized by Guanidine-Type Bases: A Quantum Chemical Study Motivated by Recent Experimental Results. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3565-3572.	2.0	18
105	Boron(II) Cations: Interplay between Lewis-Base Acceptor and Electron-Donor Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11456-11459.	13.8	18
106	Intramolecular metal-ligand electron transfer triggered by co-ligand substitution. <i>Dalton Transactions</i> , 2018, 47, 9430-9441.	3.3	18
107	The electronic structure of VO in its ground and electronically excited states: A combined matrix isolation and quantum chemical (MRCI) study. <i>Journal of Chemical Physics</i> , 2015, 143, 024309.	3.0	17
108	Bent and twisted: the electronic structure of 2-azapropenylium ions obtained by guanidine oxidation. <i>RSC Advances</i> , 2016, 6, 39323-39329.	3.6	17

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109	Oxidation von organischen Substraten mit einem redoxaktiven Guanidinkatalysator. Angewandte Chemie, 2017, 129, 16630-16633.	2.0	17
110	Four Boron Atoms, Four Positive Charges, and Four Skeletal Electrons: A Fluorescent $\pi$ -Aromatic Tetraborane(4). Angewandte Chemie - International Edition, 2019, 58, 5897-5901.	13.8	17
111	Synthesis of Heterobimetallic Zn/Co Carbamates: Single-Source Precursors of Nanosized Magnetic Oxides Under Mild Conditions. European Journal of Inorganic Chemistry, 2011, 2011, 860-867.	2.0	16
112	4,4',5,5'-Tetrakis(guanidinyl)binaphthyl – Synthesis and Properties of Two Redox-Active Ligands and Oxidative C–C Coupling to Perylene Derivatives. European Journal of Inorganic Chemistry, 2013, 2013, 163-171.	2.0	16
113	Redox Reactions Between Guanidine Electron Donors and Silver Dicyanamide: Synthesis of C,N Material Precursors and Coordination Polymers. European Journal of Inorganic Chemistry, 2013, 2013, 3671-3679.	2.0	16
114	Twofold Oxidized and Twofold Protonated Redox-Active Guanidine: An Ultimate Intermediate in Proton-Coupled Electron-Transfer Reactions. European Journal of Organic Chemistry, 2018, 2018, 5910-5915.	2.4	16
115	Solvent Control of Ligand–Metal Electron Transfer in Mononuclear Copper Complexes with Redox-Active Bisguanidine Ligands. European Journal of Inorganic Chemistry, 2018, 2018, 3660-3667.	2.0	16
116	Elektronen-defizit-are Triboran- und Tetraboran-Ringverbindungen: Synthese, Struktur und Bindung. Angewandte Chemie, 2019, 131, 11724-11742.	2.0	16
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