

Christian Limberg

List of Publications by Year in descending order

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184
papers

6,789
citations

81900

39
h-index

79698

73
g-index

216
all docs

216
docs citations

216
times ranked

6698
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mechanism of Water Oxidation: From Electrolysis via Homogeneous to Biological Catalysis. ChemCatChem, 2010, 2, 724-761.	3.7	1,493
2	Multifunctional "Clickates" as Versatile Extended Heteroaromatic Building Blocks: Efficient Synthesis via Click Chemistry, Conformational Preferences, and Metal Coordination. Chemistry - A European Journal, 2007, 13, 9834-9840.	3.3	237
3	The Role of Radicals in Metal-Assisted Oxygenation Reactions. Angewandte Chemie - International Edition, 2003, 42, 5932-5954.	13.8	177
4	A Dinuclear Nickel(I) Dinitrogen Complex and its Reduction in Single-Electron Steps. Angewandte Chemie - International Edition, 2009, 48, 3357-3361.	13.8	155
5	Catalytic Epoxidation and 1,2-Dihydroxylation of Olefins with Bispidine-Iron(II)/H ₂ O ₂ Systems. Angewandte Chemie - International Edition, 2006, 45, 3446-3449.	13.8	144
6	Complexes of Click-Derived Bistriazolylpyridines: Remarkable Electronic Influence of Remote Substituents on Thermodynamic Stability as well as Electronic and Magnetic Properties. Chemistry - A European Journal, 2010, 16, 10202-10213.	3.3	93
7	Activation of Small Molecules at Nickel(I) Moieties. Journal of the American Chemical Society, 2017, 139, 4233-4242.	13.7	93
8	Gold- and Platinum-Bismuth Donor-Acceptor Interactions Supported by an Ambiphilic PBiP Pincer Ligand. Angewandte Chemie - International Edition, 2012, 51, 4989-4992.	13.8	87
9	Molecular Cu ^{II} -O-Cu ^{II} Complexes: Still Waters Run Deep. Angewandte Chemie - International Edition, 2014, 53, 4282-4293.	13.8	86
10	Nickel(i)-mediated transformations of carbon dioxide in closed synthetic cycles: reductive cleavage and coupling of CO ₂ generating Ni ^{II} CO, Ni ^{II} CO ₃ and Ni ^{II} C ₂ O ₄ Ni ^{II} entities. Chemical Communications, 2013, 49, 10923.	4.1	82
11	Bispidine Ligand Effects on Iron/Hydrogen Peroxide Chemistry. Angewandte Chemie - International Edition, 2004, 43, 1283-1287.	13.8	81
12	η^2 -Diketiminato Nickel(I) Complexes with Very Weak Ligation Allowing for H ₂ and N ₂ Activation. Organometallics, 2009, 28, 6855-6860.	2.3	81
13	Dinuclear Zinc Complexes Based on Parallel η^2 -Diiminato Binding Sites: Syntheses, Structures, and Properties as CO ₂ /Epoxide Copolymerization Catalysts. Organometallics, 2007, 26, 3668-3676.	2.3	74
14	O-O Bond Activation in Heterobimetallic Peroxides: Synthesis of the Peroxide [LNi(η^4 - μ^2 -O ₂)(μ^2 -O ₂)K] and its Conversion into a Bis(η^4 -Hydroxo) Nickel Zinc Complex. Angewandte Chemie - International Edition, 2009, 48, 8107-8110.	13.8	65
15	Shining light on integrity of a tetracobalt-polyoxometalate water oxidation catalyst by X-ray spectroscopy before and after catalysis. Chemical Communications, 2014, 50, 100-102.	4.1	62
16	A low-coordinate nickel(ii) hydride complex and its reactivity. Dalton Transactions, 2008, , 6689.	3.3	60
17	Low-Molecular-Weight Analogues of the Soluble Methane Monooxygenase (sMMO): From the Structural Mimicking of Resting States and Intermediates to Functional Models. Chemistry - A European Journal, 2009, 15, 10316-10328.	3.3	60
18	A Reduced η^2 -Diketiminato-Ligated Ni ₃ H ₄ Unit Catalyzing H/D Exchange. Journal of the American Chemical Society, 2010, 132, 13684-13691.	13.7	60

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19	The Activation of Sulfur Hexafluoride at Highly Reduced Low-Coordinate Nickel Dinitrogen Complexes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2750-2753.	13.8	60
20	Mono- and Dinuclear Oxovanadium(V)calixarene Complexes and Their Activity as Oxidation Catalysts. <i>Inorganic Chemistry</i> , 2006, 45, 8308-8317.	4.0	59
21	N_2 Activation in Ni(I)-Ni(I) Units: The Influence of Alkali Metal Cations and CO Reactivity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1169-1174.	1.2	59
22	Utilizing the Trispyrazolyl Borate Ligand for the Mimicking of O_2 -Activating Mononuclear Nonheme Iron Enzymes. <i>Accounts of Chemical Research</i> , 2015, 48, 2734-2743.	15.6	57
23	What Does it Really Take to Stabilize Complexes of Late Transition Metals with Terminal Oxo Ligands?. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2270-2273.	13.8	54
24	A Trispyrazolylborato Iron Cysteinato Complex as a Functional Model for the Cysteine Dioxygenase. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2234-2237.	13.8	54
25	Access to a Cu^{II} - Cu^{II} Motif: Spectroscopic Properties, Solution Structure, and Reactivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 16148-16160.	13.7	53
26	Intramolecular C-H Activation in Complexes with Mo-Bi Metal Bonds. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2846-2849.	13.8	49
27	Reversible P_4 Activation with Nickel(I) and an I^3 -Coordinated Tetrphosphorus Ligand between Two Ni(I) Centers. <i>Chemistry - A European Journal</i> , 2010, 16, 436-439.	3.3	49
28	σ -Bent Bonds between Bismuth and Carbon Atoms as a Result of C-H Activation in Mo-Bi Complexes. <i>Chemistry - A European Journal</i> , 2005, 11, 225-234.	3.3	47
29	Dinuclear Copper Complexes Based on Parallel \hat{I}^2 -Diiminato Binding Sites and their Reactions with O_2 : Evidence for a Cu^2O - Cu Entity. <i>Inorganic Chemistry</i> , 2011, 50, 2133-2142.	4.0	47
30	Late Metal Scaffolds that Activate Both, Dinitrogen and Reduced Dinitrogen Species N_2 and H_2 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 18-30.	1.2	47
31	Oxovanadium(V) Tetrathiacalix[4]arene Complexes and Their Activity as Oxidation Catalysts. <i>Chemistry - A European Journal</i> , 2007, 13, 7006-7016.	3.3	44
32	A Trispyrazolylborato Iron Malonato Complex as a Functional Model for the Acetylacetone Dioxygenase. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7953-7956.	13.8	44
33	Syntheses of Heteronuclear Molybdenum/Bismuth Alkoxides Stabilized by Organic Ligands. <i>Organometallics</i> , 2000, 19, 1044-1050.	2.3	43
34	A Dinuclear Molecular Iron(II) Silicate with Two High-Spin Square-Planar FeO_4 Units. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5155-5158.	13.8	43
35	Syntheses and Ligating Properties of Molybdocene Alkoxides - The First Heterodimetallic Alkoxide Containing Molybdenum and Bismuth. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1105-1108.	13.8	41
36	A High-Valent Heterobimetallic $[Cu^{III}(O)_2Ni^{III}]^{2+}$ Core with Nucleophilic Oxo Groups. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5622-5626.	13.8	41

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37	Trapping Aluminum Hydroxide Clusters with Trisilanols during Speciation in Aluminum(III)â€“Water Systems: Reproducible, Large Scale Access to Molecular Aluminate Models. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12325-12329.	13.8	40
38	The Effect of Substituents at Lewis Acidic Bismuth(III) Centers on Its Propensity to Bind a Noble Metal Donor. <i>Inorganic Chemistry</i> , 2016, 55, 1837-1842.	4.0	38
39	Selectivity of tungsten mediated dinitrogen splitting <i>vs.</i> proton reduction. <i>Chemical Science</i> , 2019, 10, 10275-10282.	7.4	38
40	Activation of Dioxygen at a Lewis Acidic Nickel(II) Complex: Characterization of a Metastable Organoperoxide Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2307-2311.	13.8	36
41	Reactive Intermediates in Olefin Oxidations with Chromyl Chloride. IR-Spectroscopic Proof for OCrCl ₂ ~Epoxy Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 2106-2116.	4.0	35
42	Reactions of cyclopentadienylmolybdenum compounds with bismuth alkoxides. <i>Journal of Organometallic Chemistry</i> , 2002, 641, 9-14.	1.8	35
43	Calixareneâ€“Based Oxovanadium Complexes as Molecular Models for Catalytically Active Surface Species and Homogeneous Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3303-3314.	2.0	35
44	Molecular molybdenum/bismuth compounds. <i>Inorganica Chimica Acta</i> , 2006, 359, 4698-4722.	2.4	32
45	A Heterobimetallic Superoxide Complex formed through O ₂ Activation between Chromium(II) and a Lithium Cation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1352-1356.	13.8	32
46	Bis(silylenyl)-substituted ferrocene-stabilized η^6 -arene iron(0) complexes: synthesis, structure and catalytic application. <i>Dalton Transactions</i> , 2017, 46, 16412-16418.	3.3	32
47	Cyanate Formation via Photolytic Splitting of Dinitrogen. <i>Jacs Au</i> , 2021, 1, 879-894.	7.9	32
48	Synthesis of Heterometallic Bismuth/Molybdenum Alkoxides and Their Behavior on Silica Surfaces. <i>Inorganic Chemistry</i> , 2002, 41, 3359-3365.	4.0	31
49	Dioxygen Activation by Siloxide Complexes of Chromium(II) and Chromium(IV). <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12741-12745.	13.8	31
50	PBiP Pincer Complexes of Platinum, Palladium, and Iridium Featuring Metalâ€“Metal Bonds Synthesized by Oxidative Addition of Bismuthâ€“Halide Bonds. <i>Organometallics</i> , 2015, 34, 3782-3787.	2.3	31
51	A Novel Tripodal Ligand Containing Three Different <i>N</i>â€“Heterocyclic Donor Functions and Its Application in Catechol Dioxygenase Mimicking. <i>Chemistry - A European Journal</i> , 2009, 15, 5567-5576.	3.3	30
52	Unprecedented binding and activation of CS ₂ in a dinuclear copper(I) complex. <i>Chemical Communications</i> , 2011, 47, 6374.	4.1	30
53	Cyclohexane oxidative dehydrogenation over copper oxide catalysts. <i>Journal of Catalysis</i> , 2016, 341, 180-190.	6.2	30
54	Three-Coordinate Nickel(II) and Nickel(I) Thiolate Complexes Based on the η^2 -Diketiminato Ligand System. <i>Inorganic Chemistry</i> , 2014, 53, 6867-6874.	4.0	29

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55	A Biomimetic Nickel Complex with a Reduced CO ₂ Ligand Generated by Formate Deprotonation and Its Behaviour towards CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7230-7233.	13.8	29
56	On the Trail of CrO ₂ Cl ₂ in Its Reactions with Organic Compounds. <i>Chemistry - A European Journal</i> , 2000, 6, 2083-2089.	3.3	27
57	From Surface-Inspired Oxovanadium Silsesquioxane Models to Active Catalysts for the Oxidation of Alcohols with O ₂ – The Cinnamic Acid/Metavanadate System. <i>Chemistry - A European Journal</i> , 2010, 16, 6892-6899.	3.3	27
58	Monooxygenase-Like Reactivity of an Unprecedented Heterobimetallic {FeO ₂ Ni} Moiety. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7054-7058.	13.8	27
59	A Tripodal Trisilanol Ligand and Its Complexation Behavior towards CuI, CuII, and ZnII. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2124-2130.	2.0	27
60	Vanadium calixarene complexes as molecular models for supported vanadia. <i>Journal of Molecular Catalysis A</i> , 2006, 251, 34-40.	4.8	26
61	V ₂ O ₅ /SiO ₂ surface inspired, silsesquioxane-derived oxovanadium complexes and their properties. <i>Dalton Transactions</i> , 2008, , 326-331.	3.3	26
62	Heterometallic Complexes with Re ⁺ -Bi Metal Bonds. <i>Organometallics</i> , 2010, 29, 1670-1674.	2.3	26
63	CO oxidation at nickel centres by N ₂ O or O ₂ to yield a novel hexanuclear carbonate. <i>Chemical Communications</i> , 2012, 48, 8243.	4.1	26
64	A Novel Pentadentate Redox-Active Ligand and Its Iron(III) Complexes: Electronic Structures and O ₂ Reactivity. <i>Chemistry - A European Journal</i> , 2014, 20, 4721-4735.	3.3	25
65	Molecular Compounds with Mo-O-Bi Moieties. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5259-5262.	13.8	24
66	Xanthene-Based Ligand with Two Adjacent η^2 -Diiminato Binding Sites. <i>Journal of Organic Chemistry</i> , 2006, 71, 4559-4564.	3.2	24
67	Dioxygen Activation by Siloxide Complexes of Chromium(II) and Chromium(IV). <i>Angewandte Chemie</i> , 2014, 126, 12955-12959.	2.0	24
68	Organometallic Mo ^{IV} -Bi complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5282-5289.	1.8	23
69	Solvent-Dependent Oxidation of a (Pyridylmethyl)amino Ligand by FeCl ₃ To Give a Water-Soluble Blue Fluorophore. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5329-5331.	13.8	23
70	Opening of Bent Bi ^{III} -C Bonds by Silanols To Give Stable Cp ₂ Mo(η^4 -BiOR) ₂ MoCp ₂ Complexes. <i>Organometallics</i> , 2009, 28, 646-651.	2.3	23
71	The Conversion of Nickel-Bound CO into an Acetyl Thioester: Organometallic Chemistry Relevant to the Acetyl Coenzyme...A Synthase Active Site. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12621-12625.	13.8	23
72	Copper(I) Siloxides – Aggregated Solid-State Structures, Cu ^I -Cu Interactions and Dynamic Solution Behavior. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4661-4668.	2.0	23

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73	Iron Silicates, Iron-Modulated Zeolite Catalysts, and Molecular Models Thereof. Chemistry - A European Journal, 2014, 20, 9166-9175.	3.3	23
74	Reactivity and Properties of [BIII...OMo]n Chains. Inorganic Chemistry, 2006, 45, 9020-9031.	4.0	22
75	A Dinuclear Iron Complex Based on Parallel Malonate Binding Sites: Cooperative Activation of Dioxygen and Biomimetic Ligand Oxidation. Chemistry - A European Journal, 2008, 14, 9377-9388.	3.3	22
76	V4O10: Spectroscopic Fingerprint of a Well-Defined, Molecular Metaloxo Aggregate. Inorganic Chemistry, 2008, 47, 2937-2939.	4.0	22
77	C-H Bond Activation in a Molybdenumoxo-Bismuth Compound. Organometallics, 2011, 30, 3701-3703.	2.3	22
78	Hydride Reactivity of Ni(II) Entities: Mixed-Valent Hydrido Complexes and Reversible Metal Reduction. Chemistry - A European Journal, 2013, 19, 1629-1636.	3.3	22
79	Matrix Isolation and Characterization of a Reactive Intermediate in Olefin Oxidation with Chromyl Chloride. Angewandte Chemie - International Edition, 1998, 37, 496-499.	13.8	21
80	Haloperoxidase Activity of Oxovanadium(V) Thiobisphenolates. Chemistry - A European Journal, 2011, 17, 2931-2938.	3.3	20
81	Structure and Mechanism Leading to Formation of the Cysteine Sulfinat Product Complex of a Biomimetic Cysteine Dioxygenase Model. Chemistry - A European Journal, 2015, 21, 7470-7479.	3.3	20
82	Dioxygenation of cysteamine to hypotaurine at a tris(pyrazolyl)borate iron(II) unit - cysteamine dioxygenase mimicking?. Chemical Communications, 2015, 51, 6785-6787.	4.1	20
83	Coordination of noble metals by an ambiphilic PBiP pincer ligand: Metallophilic Bi-Cu and Bi-Ag interactions. Journal of Organometallic Chemistry, 2015, 784, 62-68.	1.8	20
84	Trapping Aluminum Hydroxide Clusters with Trisilanols during Speciation in Aluminum(III)-Water Systems: Reproducible, Large Scale Access to Molecular Aluminate Models. Angewandte Chemie, 2016, 128, 12513-12517.	2.0	20
85	A Hexanuclear Iron(II) Layer with Two Square-Planar FeO4 Units Spanned by Tetrasiloxide Ligands: Mimicking of Minerals and Catalysts. Inorganic Chemistry, 2017, 56, 8554-8561.	4.0	20
86	The large subunit of the regulatory [NiFe]-hydrogenase from Ralstonia eutropha - a minimal hydrogenase?. Chemical Science, 2020, 11, 5453-5465.	7.4	20
87	A molecular Mo4Bi4 framework composed exclusively of unsupported metal-metal bonds. Chemical Communications, 2011, 47, 10794.	4.1	19
88	The Influence of Alkali Metal Ions on the Stability and Reactivity of Chromium(III) Superoxide Moieties Spanned by Siloxide Ligands. Chemistry - A European Journal, 2019, 25, 5743-5750.	3.3	19
89	Dinuclear iron complexes based on parallel η^2 -diiminato binding sites: syntheses, structures and reaction with O2. Dalton Transactions, 2008, , 1917.	3.3	18
90	Peculiar Binding Modes of a Ligand with Two Adjacent η^2 -Diiminato Binding Sites in Alkali and Alkaline-Earth Metal Chemistry. Inorganic Chemistry, 2009, 48, 11259-11264.	4.0	18

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91	Four-coordinate Trispyrazolylboratomanganese and Iron Complexes with a Pyrazolato Co-ligand: Syntheses and Properties as Oxidation Catalysts. <i>Chemistry - A European Journal</i> , 2011, 17, 10010-10020.	3.3	18
92	In Situ Formation of PBiP Ligands upon Complexation of a Mixed Phosphane/Bismuthane with Group 11 Metal Ions. <i>Organometallics</i> , 2017, 36, 4891-4895.	2.3	18
93	A high-spin square planar iron(<i>ii</i>)-siloxide and its tetrahedral allogen " structural and spectroscopic models of Fe-zeolite sites. <i>Chemical Communications</i> , 2017, 53, 8081-8084.	4.1	18
94	The Reaction of Permanganyl Chloride with Olefins: Intermediates and Mechanism as Derived from Matrix-Isolation Studies and Density Functional Theory Calculations. <i>Chemistry - A European Journal</i> , 2001, 7, 4674-4685.	3.3	17
95	The Coordination Chemistry of Iron with the 1,4-Bis(2-pyridyl-methyl)piperazine Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 1287-1292.	1.2	17
96	Oxovanadium(IV) Silsesquioxane Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 2479-2485.	4.0	17
97	Bismuthanes as Hemilabile Donors in an O ₂ -Activating Palladium(0) Complex. <i>Chemistry - A European Journal</i> , 2017, 23, 11797-11801.	3.3	17
98	Switching from a Chromium(IV) Peroxide to a Chromium(III) Superoxide upon Coordination of a Donor in the trans Position. <i>Journal of the American Chemical Society</i> , 2019, 141, 14068-14072.	13.7	17
99	The Behavior of Trispyrazolylborato-Metal(II)-Flavonolate Complexes as Functional Models for Bacterial Quercetinase "Assessment of the Metal Impact. <i>Inorganic Chemistry</i> , 2019, 58, 12843-12853.	4.0	16
100	Structure and Reactivity of Al ⁺ O(H) ⁻ Al Moieties in Siloxide Frameworks: Solution and Gas-Phase Model Studies. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 902-906.	13.8	16
101	Bismuth Allyloxides. <i>Inorganic Chemistry</i> , 2010, 49, 4313-4318.	4.0	15
102	Chiral Tripodal Ligand Containing Three <i>N</i> -Heterocyclic Donor Functions and Its Copper Complexes: Crystallization of [LCu ^I] ₂ ²⁺ /[L ₂ Cu ^{II}] ²⁺ Stereoisomers and Tyrosinase Activity. <i>Inorganic Chemistry</i> , 2012, 51, 12210-12217.	4.0	15
103	Reductive Deprotonation and Dehydrogenation of Phenylhydrazine at a Nickel Center To Give a Nickel Diazenido Complex. <i>Inorganic Chemistry</i> , 2012, 51, 9740-9747.	4.0	15
104	Comparing Isomeric Tridentate Carbazole-Based Click Ligands: Metal Complexes and Redox Chemistry. <i>Chemistry - A European Journal</i> , 2018, 24, 5341-5349.	3.3	15
105	Iron(III)-CDTA derivatives as MRI contrast agents: Increased T ₁ relaxivities at higher magnetic field strength and pH sensing. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3370-3382.	3.0	15
106	Oxygen Transfer from Chromyl Chloride to Alkynes and Allene " IR-Spectroscopic Identification of η^1 -Ketene and Cyclopropanone Complexes of O=CrCl ₂ . <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 1335-1342.	2.0	14
107	Iron and Nickel Complexes Containing β^2 -Diketiminato Ligands with Thioether Tethers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 312-316.	1.2	14
108	Bioinspired Copper(I) Complexes that Exhibit Monooxygenase and Catechol Dioxygenase Activity. <i>Chemistry - A European Journal</i> , 2015, 21, 1198-1207.	3.3	14

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109	Selective Transformation of Nickel-Bound Formate to CO or C ¹³ C Coupling Products Triggered by Deprotonation and Steered by Alkali-Metal Ions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2312-2321.	13.8	14
110	Mercaptothiacalixarenes Steer 24 Copper(I) Centers to form a Hollow-Sphere Structure Featuring Cu ₂ S ₂ Motifs with Exceptionally Short Cu...Cu Distances. <i>Angewandte Chemie International Edition</i> , 2020, 59, 6735-6739.	13.8	14
111	Surface-Inspired Molecular Vanadium Oxide Catalysts for the Oxidative Dehydrogenation of Alcohols: Evidence for Metal Cooperation and Peroxide Intermediates. <i>Chemistry - A European Journal</i> , 2011, 17, 12129-12135.	3.3	13
112	Heterometallic Complexes with Rhenium- and Iron-Bismuth Bonds. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013, 68, 561-568.	0.7	13
113	Ein biomimetischer Nickelkomplex mit einem reduzierten, durch Formiatdeprotonierung erzeugten CO ₂ -Liganden und sein Verhalten gegenüber CO ₂ . <i>Angewandte Chemie</i> , 2018, 130, 7349-7353.	2.0	13
114	A Structural and Functional Model for the 1 st Aminocyclopropane-1-carboxylic Acid Oxidase. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12325-12328.	13.8	12
115	Activation of Dioxygen at a Lewis Acidic Nickel(II) Complex: Characterization of a Metastable Organoperoxide Complex. <i>Angewandte Chemie</i> , 2017, 129, 2347-2351.	2.0	12
116	Cobalt and Iron Stabilized Ketyl, Ketiminyl and Aldiminyl Radical Anions. <i>Chemistry - A European Journal</i> , 2021, 27, 16760-16767.	3.3	12
117	Stabilizing the Boat Conformation of Piperazines Coordinated to Iron(II): <i>iso</i> -Butyl Substituents Lead to Robust Oxidation Catalysts via Hyperconjugation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1823-1830.	1.2	11
118	Atomic Layer Deposition of Silica on Carbon Nanotubes. <i>Chemistry of Materials</i> , 2017, 29, 4920-4931.	6.7	11
119	Molecular Structural Motifs and O ₂ Activation Inspired by Enzymes and Solid Catalysts. <i>Catalysis Letters</i> , 2020, 150, 1-11.	2.6	11
120	Syntheses of Molybdenum(II) and Molybdenum(IV) Complexes Bearing Tethered Homoallylic Phosphines. <i>Organometallics</i> , 2001, 20, 1825-1831.	2.3	10
121	Progress in the Compilation of an Oxovanadate-Silsesquioxane Portfolio and Catalytic Activity of Organometallic Representatives in Ethylene Polymerisation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2315-2322.	1.2	10
122	Organoelement Complexes of a Dinucleating Double <i>η</i> ² -diiminato Ligand – Precedent Cases from Groups 1, 2, and 13. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1741-1749.	1.2	10
123	Activation and Coordination of Ammonia at [Cp*Ir(H) ₂]: NMR and Matrix Isolation Studies. <i>Chemistry - A European Journal</i> , 2012, 18, 10009-10013.	3.3	10
124	Reduction and Hydrogenation of a Diazene by a (<i>η</i> ² -Diketiminato)nickel Hydrazide. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3937-3942.	2.0	10
125	Synthesis, Characterization, and Interconversion of <i>η</i> ² -Diketiminato Nickel N _x H _y Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5296-5303.	2.0	10
126	An iron(II) hydride complex of a ligand with two adjacent <i>η</i> ² -diketiminato binding sites and its reactivity. <i>Dalton Transactions</i> , 2016, 45, 2989-2996.	3.3	10

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127	Bioinspired Trispyrazolylborato Nickel(II) Flavonolate Complexes and Their Reactivity Toward Dioxygen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 170-174.	1.2	10
128	Examination of Protonation-Induced Dinitrogen Splitting by <i>in Situ</i> EXAFS Spectroscopy. <i>Inorganic Chemistry</i> , 2020, 59, 14367-14375.	4.0	10
129	Synthesis of Intramolecular P/Al-Based Frustrated Lewis Pairs via Aluminum-Tin-Exchange and their Reactivity toward CO ₂ . <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	10
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