

Fritz E Kuhn

List of Publications by Year in descending order

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442
papers

19,869
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14655

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462
all docs

462
docs citations

462
times ranked

13047
citing authors

#	ARTICLE	IF	CITATIONS
1	Transformation of Carbon Dioxide with Homogeneous Transition-Metal Catalysts: A Molecular Solution to a Global Challenge?. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8510-8537.	13.8	1,439
2	Rhenium(VII) Oxo and Imido Complexes: Synthesis, Structures, and Applications. <i>Chemical Reviews</i> , 1997, 97, 3197-3246.	47.7	517
3	Synthesis of Cyclic Carbonates from Epoxides and Carbon Dioxide by Using Organocatalysts. <i>ChemSusChem</i> , 2015, 8, 2436-2454.	6.8	410
4	Chemistry of Iron-N-Heterocyclic Carbene Complexes: Syntheses, Structures, Reactivities, and Catalytic Applications. <i>Chemical Reviews</i> , 2014, 114, 5215-5272.	47.7	354
5	Organorhenium Oxides. <i>Accounts of Chemical Research</i> , 1997, 30, 169-180.	15.6	311
6	Succinic acid from renewable resources as a C ₄ -building-block chemical—a review of the catalytic possibilities in aqueous media. <i>Green Chemistry</i> , 2009, 11, 13-26.	9.0	303
7	Synthesis and Application of Water-Soluble NHC Transition-Metal Complexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 270-289.	13.8	302
8	Octahedral Bipyridine and Bipyrimidine Dioxomolybdenum(VI) Complexes: Characterization, Application in Catalytic Epoxidation, and Density Functional Mechanistic Study. <i>Chemistry - A European Journal</i> , 2002, 8, 2370.	3.3	232
9	Mononuclear Organomolybdenum(VI) Dioxo Complexes: Synthesis, Reactivity, and Catalytic Applications. <i>Chemical Reviews</i> , 2006, 106, 2455-2475.	47.7	219
10	Immobilization of N-Heterocyclic Carbene Compounds: A Synthetic Perspective. <i>Chemical Reviews</i> , 2017, 117, 1970-2058.	47.7	212
11	Self-assembled M ₂ L ₄ coordination cages: Synthesis and potential applications. <i>Coordination Chemistry Reviews</i> , 2014, 275, 19-36.	18.8	206
12	Methyltrioxorhenium and its applications in olefin oxidation, metathesis and aldehyde olefination. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 4149-4164.	1.8	199
13	C-H Bond Activation by Block Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 82-100.	13.8	197
14	Nucleophilic cyclocarbenes as ligands in metal halides and metal oxides. <i>Journal of Organometallic Chemistry</i> , 1994, 480, c7-c9.	1.8	168
15	From molecules to materials: Molecular paddle-wheel synthons of macromolecules, cage compounds and metal-organic frameworks. <i>Dalton Transactions</i> , 2011, 40, 6834.	3.3	162
16	Nitrile Ligated Transition Metal Complexes with Weakly Coordinating Counteranions and Their Catalytic Applications. <i>Chemical Reviews</i> , 2009, 109, 2061-2080.	47.7	153
17	Cycloaddition of Carbon Dioxide and Epoxides using Pentaerythritol and Halides as Dual Catalyst System. <i>ChemSusChem</i> , 2014, 7, 1357-1360.	6.8	151
18	A Simple Entry to (η ⁵ -C ₅ R ₅)chlorodioxomolybdenum(VI) Complexes (R = H, CH ₃ , CH ₂ Ph) and Their Use as Olefin Epoxidation Catalysts. <i>Organometallics</i> , 2003, 22, 2112-2118.	2.3	148

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19	Platinum Catalysis Revisitedâ€”Unraveling Principles of Catalytic Olefin Hydrosilylation. ACS Catalysis, 2016, 6, 1274-1284.	11.2	140
20	Organorhenium(vii) and organomolybdenum(vi) oxides: syntheses and application in olefin epoxidation. Dalton Transactions, 2005, , 2483.	3.3	139
21	Organometallic and coordination rhenium compounds and their potential in cancer therapy. Coordination Chemistry Reviews, 2019, 393, 79-117.	18.8	135
22	Hydroxyâ€”Functionalized Imidazolium Bromides as Catalysts for the Cycloaddition of CO ₂ and Epoxides to Cyclic Carbonates. ChemCatChem, 2015, 7, 94-98.	3.7	132
23	Molecular iron complexes as catalysts for selective Câ€”H bond oxygenation reactions. Chemical Communications, 2015, 51, 17193-17212.	4.1	130
24	Group 7 transition metal complexes with N-heterocyclic carbenes. Chemical Society Reviews, 2013, 42, 5073.	38.1	127
25	Trigonal-Bipyramidal Lewis Base Adducts of Methyltrioxorhenium(VII) and Their Bisperoxo Congeners: Characterization, Application in Catalytic Epoxidation, and Density Functional Mechanistic Study. Chemistry - A European Journal, 1999, 5, 3603-3615.	3.3	122
26	Evaluation of New Palladium Cages as Potential Delivery Systems for the Anticancer Drug Cisplatin. Chemistry - A European Journal, 2016, 22, 2253-2256.	3.3	119
27	Epoxidation of olefins with homogeneous catalysts â€” quo vadis?. Catalysis Science and Technology, 2013, 3, 552-561.	4.1	114
28	Synthesis of Cyclic Carbonates from Epoxides and CO ₂ under Mild Conditions Using a Simple, Highly Efficient Niobiumâ€”Based Catalyst. ChemCatChem, 2013, 5, 1321-1324.	3.7	113
29	Recent advances in oxidation catalysis using ionic liquids as solvents. Coordination Chemistry Reviews, 2011, 255, 1518-1540.	18.8	111
30	Highly integrated CO ₂ capture and conversion: direct synthesis of cyclic carbonates from industrial flue gas. Green Chemistry, 2016, 18, 3116-3123.	9.0	111
31	Chiral Bioinspired Nonâ€”Heme Iron Complexes for Enantioselective Epoxidation of α,β -Unsaturated Ketones. Advanced Synthesis and Catalysis, 2011, 353, 3014-3022.	4.3	110
32	Lewis base adducts of bis-(halogeno)dioxomolybdenum(VI): syntheses, structures, and catalytic applications. Journal of Molecular Catalysis A, 2000, 151, 147-160.	4.8	106
33	Current advances in the catalytic conversion of carbon dioxide by molecular catalysts: an update. Dalton Transactions, 2018, 47, 13281-13313.	3.3	104
34	Rhodium-Catalyzed Hydrosilylation of Ketones: Catalyst Development and Mechanistic Insights. ACS Catalysis, 2012, 2, 613-621.	11.2	101
35	Molybdenum(vi) cis-dioxo complexes bearing sugar derived chiral Schiff-base ligands: synthesis, characterization, and catalytic applications. Dalton Transactions, 2003, , 3736-3742.	3.3	95
36	Functionalized polysilalkylene siloxanes (polycarbosiloxanes) by hydrosilylationâ€”Catalysis and synthesis. Progress in Polymer Science, 2010, 35, 687-713.	24.7	93

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37	Facile-prepared sulfonated water-soluble PEPPSI-Pd-NHC catalysts for aerobic aqueous Suzuki-Miyaura cross-coupling reactions. <i>Green Chemistry</i> , 2014, 16, 4955-4962.	9.0	92
38	Cycloaddition of CO ₂ and epoxides catalyzed by imidazolium bromides under mild conditions: influence of the cation on catalyst activity. <i>Catalysis Science and Technology</i> , 2014, 4, 1749.	4.1	90
39	Catalytic hydroxylation of benzene and toluene by an iron complex bearing a chelating di-pyridyl-di-NHC ligand. <i>Chemical Communications</i> , 2014, 50, 11454-11457.	4.1	90
40	Bidentate Lewis Base Adducts of Methyltrioxorhenium(VII) and Their Application in Catalytic Epoxidation. <i>Inorganic Chemistry</i> , 2001, 40, 5834-5841.	4.0	88
41	Olefin epoxidation with tert-butyl hydroperoxide catalyzed by MoO ₂ X ₂ L complexes: a DFT mechanistic study. <i>Dalton Transactions</i> , 2006, , 1383.	3.3	88
42	Highly Reactive Polyisobutenes Prepared with Manganese(II) Complexes as Initiators. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1307-1310.	13.8	87
43	Rhenium and technetium based radiopharmaceuticals: Development and recent advances. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 83-89.	1.8	87
44	Ferrocene derivatives as anti-infective agents. <i>Coordination Chemistry Reviews</i> , 2019, 396, 22-48.	18.8	87
45	Historical landmarks of the application of molecular transition metal catalysts for olefin epoxidation. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 25-32.	1.8	86
46	Molybdenum and tungsten complexes of composition (1-5-C ₅ R ₅)MRa ² (CO) ₃ and their use as olefin epoxidation catalyst precursors. <i>Journal of Molecular Catalysis A</i> , 2004, 222, 265-271.	4.8	84
47	Olefin Epoxidation Catalyzed by ⁵ -Cyclopentadienyl Molybdenum Compounds: A Computational Study. <i>Organometallics</i> , 2010, 29, 303-311.	2.3	84
48	Organorhenium(VII) and organomolybdenum(VI) oxides: synthesis and application in oxidation catalysis. <i>Applied Organometallic Chemistry</i> , 2001, 15, 43-50.	3.5	82
49	(Dimethyl)dioxomolybdenum(VI) complexes: syntheses and catalytic applications. <i>Journal of Molecular Catalysis A</i> , 2000, 164, 25-38.	4.8	79
50	Current advances on ruthenium(II) N-heterocyclic carbenes in hydrogenation reactions. <i>Coordination Chemistry Reviews</i> , 2018, 374, 114-132.	18.8	77
51	Hydrosilylation with Biscarbene Rh(I) Complexes: Experimental Evidence for a Silylene-Based Mechanism. <i>Journal of the American Chemical Society</i> , 2011, 133, 1589-1596.	13.7	76
52	Characterization of Hydrophilic Gold(I) N-Heterocyclic Carbene (NHC) Complexes as Potent TrxR Inhibitors Using Biochemical and Mass Spectrometric Approaches. <i>Inorganic Chemistry</i> , 2017, 56, 14237-14250.	4.0	76
53	Kinetics of Cyclooctene Epoxidation with tert-Butyl Hydroperoxide in the Presence of [MoO ₂ X ₂ L]-Type Catalysts (L = Bidentate Lewis Base). <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1716-1723.	2.0	73
54	Synthesis and catalytic applications of chiral monomeric organomolybdenum(VI) and organorhenium(VII) oxides in homogeneous and heterogeneous phase. <i>Coordination Chemistry Reviews</i> , 2008, 252, 556-568.	18.8	73

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55	Medicinal Applications of Gold(I/III)-Based Complexes Bearing N-Heterocyclic Carbene and Phosphine Ligands. <i>Journal of Organometallic Chemistry</i> , 2018, 866, 153-164.	1.8	72
56	Catalytic olefin epoxidation with cyclopentadienyl molybdenum complexes in room temperature ionic liquids. <i>Tetrahedron Letters</i> , 2005, 46, 47-52.	1.4	71
57	Monomeric cyclopentadiene molybdenum oxides and their carbonyl precursors as epoxidation catalysts. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3718-3729.	1.8	71
58	Catalytic hydrogenation of levulinic acid in aqueous phase. <i>Journal of Organometallic Chemistry</i> , 2013, 724, 297-299.	1.8	71
59	Speciation in iron epoxidation catalysis: A perspective on the discovery and role of non-heme iron(III)-hydroperoxo species in iron-catalyzed oxidation reactions. <i>Coordination Chemistry Reviews</i> , 2017, 352, 517-536.	18.8	71
60	Chiral monomeric organorhenium(VII) and organomolybdenum(VI) compounds as catalysts for chiral olefin epoxidation reactions. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3469-3479.	1.8	70
61	MTO Schiff-Base Complexes: Synthesis, Structures and Catalytic Applications in Olefin Epoxidation. <i>Chemistry - A European Journal</i> , 2007, 13, 158-166.	3.3	70
62	Multiple bonds between transition metals and main-group elements part 168. Methyltrioxorhenium/Lewisbase catalysts in olefin epoxidation. <i>Journal of Organometallic Chemistry</i> , 1997, 549, 319-322.	1.8	69
63	Cleavage of C-C and C-O Bonds in Lignin Model Compounds Catalyzed by Methyltrioxorhenium in Homogeneous Phase. <i>ChemSusChem</i> , 2014, 7, 429-434.	6.8	69
64	The η^5 -Peroxo Perrhenic Acid $\text{H}_4\text{Re}_2\text{O}_{13}$: An Oxygen-Rich Metal Peroxide and Oxidation Catalyst. <i>Chemistry - A European Journal</i> , 1996, 2, 168-173.	3.3	68
65	Multiple bonds between transition metals and main-group elements, 163 nitrogen-donor adducts of organorhenium(VII) oxides: Structural and catalytic aspects. <i>Journal of Organometallic Chemistry</i> , 1997, 538, 203-209.	1.8	68
66	Chiral bis(oxazoline) and pyridyl alcoholate dioxo-molybdenum(VI) complexes: synthesis, characterization and catalytic examinations. <i>Journal of Organometallic Chemistry</i> , 2001, 621, 207-217.	1.8	68
67	(η^2 -Alkyne)methyl(dioxo)rhenium Complexes as Aldehyde-Olefination Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 2414-2415.	13.7	68
68	Dichloro and dimethyl dioxomolybdenum(vi) diazabutadiene complexes as catalysts for the epoxidation of olefins. <i>New Journal of Chemistry</i> , 2004, 28, 308-313.	2.8	68
69	Heterogenization of chiral molybdenum(VI) dioxo complexes on mesoporous materials and their application in catalysis. <i>Applied Catalysis A: General</i> , 2005, 281, 267-273.	4.3	68
70	Organonitrile ligated silver complexes with perfluorinated weakly coordinating anions and their catalytic application for coupling reactions. <i>New Journal of Chemistry</i> , 2005, 29, 366-370.	2.8	68
71	Dynamics of the NbCl_5 -Catalyzed Cycloaddition of Propylene Oxide and CO_2 : Assessing the Dual Role of the Nucleophilic Co-Catalysts. <i>Chemistry - A European Journal</i> , 2014, 20, 11870-11882.	3.3	68
72	Kinetic Studies on the Oxidation of η^5 -Cyclopentadienyl Methyl Tricarbonyl Molybdenum(II) and the Use of Its Oxidation Products as Olefin Epoxidation Catalysts. <i>Organometallics</i> , 2009, 28, 639-645.	2.3	67

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73	Synthesis and Characterization of an Iron Complex Bearing a Cyclic Tetra-N-heterocyclic Carbene Ligand: An Artificial Heme Analogue?. <i>Inorganic Chemistry</i> , 2015, 54, 3797-3804.	4.0	67
74	Sustainable Production of Benzylamines from Lignin. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20666-20671.	13.8	66
75	Bis-acetonitrile(dibromo)dioxomolybdenum(VI) and derivatives: synthesis, reactivity, structures and catalytic applications. <i>Journal of Organometallic Chemistry</i> , 1999, 583, 3-10.	1.8	65
76	Molybdenum(VI) cis-dioxo complexes bearing (poly)pyrazolyl-methane and -borate ligands: syntheses, characterization and catalytic applications. <i>Dalton Transactions RSC</i> , 2001, , 1332-1337.	2.3	65
77	Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation. <i>Journal of Organometallic Chemistry</i> , 2001, 626, 1-10.	1.8	65
78	N-heterocyclic carbenes of iridium(I): ligand effects on the catalytic activity in transfer hydrogenation. <i>Dalton Transactions</i> , 2009, , 7055.	3.3	65
79	Synthesis and Characterization of Novel Iron(II) Complexes with Tetradentate Bis(N-heterocyclic) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.3	64
80	On the binding modes of metal NHC complexes with DNA secondary structures: implications for therapy and imaging. <i>Chemical Communications</i> , 2017, 53, 8249-8260.	4.1	64
81	A chiral menthyl cyclopentadienyl molybdenum tricarbonyl chloro complex: Synthesis, heterogenization on MCM-41/MCM-48 and application in olefin epoxidation catalysis. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3137-3145.	1.8	63
82	Synthesis, characterization, and reactions of tetrakis(nitrile)chromium(II) tetrafluoroborate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1293-1298.	1.1	62
83	Fighting Fenton Chemistry: A Highly Active Iron(III) Tetracarbene Complex in Epoxidation Catalysis. <i>ChemSusChem</i> , 2015, 8, 4056-4063.	6.8	62
84	Gold(I) Complexes with α -Cyanomethyl-1,2,3-Triazolylidene Ligands: Synthesis and Catalytic Properties. <i>Organometallics</i> , 2013, 32, 3376-3384.	2.3	61
85	Methyltrioxorhenium heterogenized on commercially available supporting materials as cyclooctene metathesis catalyst. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4712-4718.	1.8	60
86	Recycling CO ₂ ? Computational Considerations of the Activation of CO ₂ with Homogeneous Transition Metal Catalysts. <i>ChemCatChem</i> , 2012, 4, 1703-1712.	3.7	60
87	On the Mechanism of Gold/NHC Compounds Binding to DNA G-Quadruplexes: Combined Metadynamics and Biophysical Methods. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14524-14528.	13.8	60
88	Transformation of Nickelalactones to Methyl Acrylate: On the Way to a Catalytic Conversion of Carbon Dioxide. <i>ChemSusChem</i> , 2011, 4, 1275-1279.	6.8	59
89	Niobium(v) chloride and imidazolium bromides as efficient dual catalyst systems for the cycloaddition of carbon dioxide and propylene oxide. <i>Catalysis Science and Technology</i> , 2014, 4, 1638-1643.	4.1	59
90	Mehrfachbindungen zwischen Hauptgruppenelementen und α -bergangsmetallen, CXIV. Organorhenium(VII)-oxide. <i>Chemische Berichte</i> , 1993, 126, 45-50.	0.2	58

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91	Inorganic/organometallic catalysts and initiators involving weakly coordinating anions for isobutene polymerisation. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1541-1557.	18.8	58
92	Dimolybdenum Compounds with Crosswise-Bridging Acetonitrile Molecules. <i>Journal of the American Chemical Society</i> , 1996, 118, 5826-5827.	13.7	57
93	Cyclometalated Complexes of Platinum and Gold with Biological Properties: State-of-the-Art and Future Perspectives. <i>Current Medicinal Chemistry</i> , 2018, 25, 437-461.	2.4	57
94	Solvent-Ligated Manganese(II) Complexes for the Homopolymerization of Isobutene and the Copolymerization of Isobutene and Isoprene. <i>Chemistry - A European Journal</i> , 2004, 10, 6323-6332.	3.3	55
95	Olefin Epoxidation with a New Class of <i>Ansa</i> -Molybdenum Catalysts in Ionic Liquids. <i>ChemSusChem</i> , 2010, 3, 559-562.	6.8	54
96	Abnormal N-Heterocyclic Carbene-Phosphine Ruthenium(II) Complexes as Active Catalysts for Transfer Hydrogenation. <i>Organometallics</i> , 2013, 32, 4042-4045.	2.3	54
97	Hydrogen Production and Storage on a Formic Acid/Bicarbonate Platform using Water-Soluble <i>N</i> -Heterocyclic Carbene Complexes of Late Transition Metals. <i>ChemSusChem</i> , 2016, 9, 2849-2854.	6.8	53
98	New insights into the reaction of <i>t</i> -butylhydroperoxide with dichloro- and dimethyl(dioxo)molybdenum(VI). <i>Journal of Organometallic Chemistry</i> , 2002, 649, 108-112.	1.8	52
99	Grafting of a tetrahydro-salen copper(II) complex on surface modified mesoporous materials and its catalytic behaviour. <i>Catalysis Communications</i> , 2006, 7, 302-307.	3.3	52
100	Molybdenum(III) Compounds as Catalysts for 2-Methylpropene Polymerization. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7290-7292.	13.8	52
101	Highly soluble dichloro, dibromo and dimethyl dioxomolybdenum(VI)-bipyridine complexes as catalysts for the epoxidation of olefins. <i>Journal of Molecular Catalysis A</i> , 2010, 331, 117-124.	4.8	52
102	Transition-metal-free synthesis of pyrimidines from lignin β -O-4 segments via a one-pot multi-component reaction. <i>Nature Communications</i> , 2022, 13, .	12.8	52
103	A Cheap, Efficient, and Environmentally Benign Synthesis of the Versatile Catalyst Methyltrioxorhenium (MTO). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7301-7303.	13.8	51
104	Synthesis and Characterization of Highly Water Soluble Ruthenium(II) and Osmium(II) Complexes Bearing Chelating Sulfonated N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2013, 32, 741-744.	2.3	51
105	Epoxidation of Olefins Catalyzed by a Molecular Iron <i>N</i> -Heterocyclic Carbene Complex: Influence of Reaction Parameters on the Catalytic Activity. <i>ChemCatChem</i> , 2014, 6, 1882-1886.	3.7	51
106	Iridium complexes of N-heterocyclic carbenes in C-H borylation using energy efficient microwave technology: influence of structure, ligand donor strength and counter ion on catalytic activity. <i>Green Chemistry</i> , 2009, 11, 1610.	9.0	50
107	Immobilization of organorhenium(VII) oxides. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 5532-5540.	1.8	49
108	Nucleophile-directed selectivity towards linear carbonates in the niobium pentaethoxide-catalysed cycloaddition of CO ₂ and propylene oxide. <i>Catalysis Science and Technology</i> , 2014, 4, 1534-1538.	4.1	49

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109	Mehrfachbindungen zwischen $\frac{1}{4}$ bergangsmetallen und hauptgruppenelementen CXXIV. 17O-NMR-spektroskopie an organorhenium(VII)-oxiden. <i>Journal of Organometallic Chemistry</i> , 1995, 485, 243-251.	1.8	48
110	Synthesis and Catalytic Application of Octahedral Lewis Base Adducts of Dichloro and Dialkyl Dioxotungsten(VI). <i>Inorganic Chemistry</i> , 2002, 41, 4468-4477.	4.0	48
111	Molecular Epoxidation Reactions Catalyzed by Rhenium, Molybdenum, and Iron Complexes. <i>Chemical Record</i> , 2016, 16, 349-364.	5.8	48
112	Large third-order optical nonlinearity of two cubane-like clusters containing oxotrithiometalate anions and silver: synthesis, characterization, reactivity, and NLO properties – structure correlation. <i>Journal of Materials Chemistry</i> , 2003, 13, 571-579.	6.7	47
113	On the way to chiral epoxidations with methyltrioxorhenium(VII) derived catalysts. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3735-3740.	1.8	47
114	Activation of Hydrogen Peroxide by Ionic Liquids: Mechanistic Studies and Application in the Epoxidation of Olefins. <i>Chemistry - A European Journal</i> , 2013, 19, 5972-5979.	3.3	47
115	Supramolecular exo-functionalized palladium cages: fluorescent properties and biological activity. <i>Dalton Transactions</i> , 2016, 45, 8556-8565.	3.3	47
116	Self-assembly of highly luminescent heteronuclear coordination cages. <i>Dalton Transactions</i> , 2016, 45, 12297-12300.	3.3	47
117	η^5, η^1 -Coordinated cyclopentadienyl transition metal complexes featuring η^f -metal – carbon ansa bridges. <i>Coordination Chemistry Reviews</i> , 2010, 254, 608-634.	18.8	46
118	On the Concept of Hemilability: Insights into a Donor-Functionalized Iridium(I) NHC Motif and Its Impact on Reactivity. <i>Inorganic Chemistry</i> , 2014, 53, 12767-12777.	4.0	46
119	Bonding and Catalytic Application of Ruthenium N-Heterocyclic Carbene Complexes Featuring Triazole, Triazolylidene, and Imidazolylidene Ligands. <i>Organometallics</i> , 2016, 35, 2980-2986.	2.3	46
120	Synthesis, characterization and catalytic studies of bis(chloro)dioxomolybdenum(VI)-chiral diimine complexes. <i>Journal of Molecular Catalysis A</i> , 2005, 236, 1-6.	4.8	45
121	Synthesis of highly reactive polyisobutylenes using solvent- η gated manganese(II) complexes as catalysts. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5636-5648.	2.3	45
122	Spectroscopic and Structural Properties of Bridge-Functionalized Dinuclear Coinage-Metal (Cu, Ag, Au) Complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2199-2206.	2.3	45
123	Structural diversity of late transition metal complexes with flexible tetra-NHC ligands. <i>Dalton Transactions</i> , 2015, 44, 18329-18339.	3.3	45
124	Cyclopentadienyl molybdenum complexes grafted on zeolites – synthesis and catalytic application. <i>Catalysis Letters</i> , 2005, 102, 115-119.	2.6	44
125	Chiral ansa-bridged η^5 -cyclopentadienyl molybdenum complexes: Synthesis, structure and application in asymmetric olefin epoxidation. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2199-2206.	1.8	44
126	Olefin epoxidation with hydrogen peroxide using octamolybdate-based self-separating catalysts. <i>Green Chemistry</i> , 2015, 17, 1186-1193.	9.0	44

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127	Catalytic Aldehyde Olefinations. Mini-Reviews in Organic Chemistry, 2004, 1, 55-64.	1.3	43
128	Heterogenisation of CpMo(CO) ₃ Cl on mesoporous materials and its application as olefin epoxidation catalyst. Dalton Transactions, 2004, , 3338-3341.	3.3	43
129	Ansa-bridged η^5 -cyclopentadienyl molybdenum and tungsten complexes: synthesis, structure and application in olefin epoxidation. Dalton Transactions, 2007, , 5567.	3.3	43
130	N-Heterocyclic carbenes via abstraction of ammonia: "normal" carbenes with "abnormal" character. Chemical Communications, 2012, 48, 3857.	4.1	43
131	Binding of molecular oxygen by an artificial heme analogue: investigation on the formation of an Fe ^{II} -tetracarbene superoxo complex. Dalton Transactions, 2016, 45, 6449-6455.	3.3	43
132	Isobutene Polymerization Using [Cull(NCMe) ₆] ²⁺ with Non-Coordinating Anions as Catalysts. Macromolecular Rapid Communications, 2007, 28, 670-675.	3.9	42
133	Water-soluble carbene complexes as catalysts for the hydrogenation of acetophenone under hydrogen pressure. Journal of Organometallic Chemistry, 2012, 703, 56-62.	1.8	42
134	Reduction of carbon dioxide and organic carbonyls by hydrosilanes catalysed by the perchlorate anion. Catalysis Science and Technology, 2017, 7, 2838-2845.	4.1	42
135	Molybdenum(VI) cis-Dioxo Complexes with Chiral Schiff Base Ligands: Synthesis, Characterization, and Catalytic Applications. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 1223-1228.	0.7	42
136	Iron Complexes of a Macrocyclic N-Heterocyclic Carbene/Pyridine Hybrid Ligand. Organometallics, 2015, 34, 2819-2825.	2.3	41
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398	Catalytic epoxidation of camphene using methyltrioxorhenium(VII) as catalyst. <i>Journal of Molecular Catalysis A</i> , 2013, 368-369, 145-151.	4.8	6
399	Synthesis and Characterization of Imidazolium Perrhenate Ionic Liquids. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013, 68, 598-604.	0.7	6
400	Loop shaped dicarboxylate-bridged dimolybdenum(μ) bisphosphine compounds – a rational synthesis. <i>Dalton Transactions</i> , 2014, 43, 15367-15374.	3.3	6
401	Efficient epoxidation of propene using molecular catalysts. <i>Catalysis Science and Technology</i> , 2014, 4, 3845-3849.	4.1	6
402	Self-Assembled Palladium and Platinum Coordination Cages: Photophysical Studies and Anticancer Activity. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5181-5181.	2.0	6
403	N-alkyl ammonium perrhenate salts as catalysts for the epoxidation of olefins under mild conditions. <i>Catalysis Communications</i> , 2017, 100, 103-106.	3.3	6
404	Visible Light-Induced Pericyclic Cascade Reaction for the Synthesis of Quinolinone Derivatives with an Oxabicyclo[4.2.0]octene Skeleton. <i>Organic Letters</i> , 2021, 23, 2959-2963.	4.6	6
405	Enantioselective Hydrosilylation with a Chiral N-Heterocyclic Carbene Complex of Rhodium(I) [1]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009, 64, 1607-1611.	0.7	5
406	The Role of Solvent Ligated Metal Complexes Associated with Weakly Coordinating Counteranions (WCAs) in Isobutylene Polymerization. <i>Macromolecular Symposia</i> , 2011, 308, 35-42.	0.7	5
407	Evaluation of theoretical functionals for structural and vibrational energy predictions on organo-rhenium(VII) oxides. <i>Journal of Organometallic Chemistry</i> , 2014, 760, 156-160.	1.8	5
408	Synthesis and Electrochemical Properties of <i>cis</i> - and <i>trans</i> -[Mo ₂ (O ₂ C-Fc) ₂ (DArF) ₂](O ₂ C-Fc = Ferrocenecarboxylate; DArF = <i>N,N</i> -diarylformamidinate). <i>Inorganic Chemistry</i> , 2015, 54, 6631-6640.	4.0	5
409	Rapid determination of complex oil well cement properties using mathematical models. <i>RSC Advances</i> , 2017, 7, 5148-5157.	3.6	5
410	Synthesis, Characterization and Biological and Catalytic Activities of Propionitril: Ligated Transition Metal Complexes with [B(C ₆ F ₅) ₄] as Counter Anion. <i>Catalysis Letters</i> , 2019, 149, 2317-2324.	2.6	5
411	An Adaptable <i>N</i> -Heterocyclic Carbene Macrocyclic Hosted Copper in Three Oxidation States. <i>Angewandte Chemie</i> , 2020, 132, 5745-5754.	2.0	5
412	Grafting of [CpMo(CO) ₃] ⁻ Na ⁺ on 3,6-dichloro-pyridazine modified mesoporous MCM-41 and MCM-48 molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2005, , 237-242.	1.5	4
413	Rational Synthesis and Characterization of Dimolybdenum(II) Compounds Bearing Ferrocenyl-Containing Ligands toward Modulation of Electronic Coupling. <i>Inorganic Chemistry</i> , 2015, 54, 3272-3280.	4.0	4
414	[Re(CO) ₃ Cl(C ₅ H ₄ ClP) ₂] and [Re(CO) ₂ Cl(C ₅ H ₄ ClP) ₃]: synthesis and characterization of two novel rhenium(μ) phosphinine complexes. <i>RSC Advances</i> , 2016, 6, 14134-14139.	3.6	4

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438	Katalyse - ein allgegenwärtiges Prinzip. <i>Chemie in Unserer Zeit</i> , 2015, 49, 219-219.	0.1	0
439	(Invited) Ultrasound Application and Multi-Step Reactions in Electrodeposition of Refractory Metals. <i>ECS Transactions</i> , 2018, 86, 3-19.	0.5	0
440	Synthesis and Characterization of New N-heterocyclic Silylazides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 207-211.	1.2	0
441	An imidazolium-substituted Pd ₃ -cycloheptatrienyl sandwich complex. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, s258-s258.	0.3	0
442	(Invited) Ultrasound Application and Multi-Step Reactions in Electrodeposition of Refractory Metals. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0