

# Bas de Bruin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

311  
papers

12,977  
citations

60  
h-index

98  
g-index

375  
ext. papers

14,426  
ext. citations

8.1  
avg, IF

6.88  
L-index

#	Paper	IF	Citations
311	Photoactive Fe Catalyst for Light-Triggered Alkyd Paint Curing.. <i>Jacs Au</i> , <b>2022</b> , 2, 531-540		1
310	Computational mechanistic studies of ruthenium catalysed methanol dehydrogenation.. <i>Dalton Transactions</i> , <b>2022</b> ,	4.3	1
309	Combining metal-metal cooperativity, metal-ligand cooperativity and chemical non-innocence in diiron carbonyl complexes.. <i>Chemical Science</i> , <b>2022</b> , 13, 2094-2104	9.4	3
308	Supramolecular Substrate Orientation as Strategy to Control Selectivity in Transition Metal Catalysis <b>2022</b> , 161-177		
307	Transition Metal Catalysis Controlled by Hydrogen Bonding in the Second Coordination Sphere.. <i>Chemical Reviews</i> , <b>2022</b> ,	68.1	4
306	Catalytic Synthesis of 1-2-Benzoxocins: Cobalt(III)-Carbene Radical Approach to 8-Membered Heterocyclic Enol Ethers. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 20501-20512	16.4	1
305	Three-State Switching of an Anthracene Extended Bis-thioxanthylidene with a Highly Stable Diradical State. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 18020-18028	16.4	1
304	Supramolecular Systems Containing B N Frustrated Lewis Pairs of Tris(pentafluorophenyl)borane and Triphenylamine Derivatives. <i>Organic Materials</i> , <b>2021</b> , 03, 174-183	1.9	1
303	Pursuit of an Electron Deficient Titanium Nitride. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 5635-5646	5.1	0
302	A Novel M L Cubic Cage That Binds Tetrapyrrolyl Porphyrins: Cage and Solvent Effects in Cobalt-Porphyrin-Catalyzed Cyclopropanation Reactions. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 8390-8397	4.8	5
301	Revisiting the Electronic Structure of Cobalt Porphyrin Nitrene and Carbene Radicals with NEVPT2-CASSCF Calculations: Doublet versus Quartet Ground States. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 8380-8387	5.1	7
300	Photo-Initiated Cobalt-Catalyzed Radical Olefin Hydrogenation. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 16978-16989	4.8	1
299	Catalytic Formation of Coordination-Based Self-Assemblies by Halide Impurities. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12498-12505	5.1	1
298	Controlling Radical-Type Single-Electron Elementary Steps in Catalysis with Redox-Active Ligands and Substrates. <i>Jacs Au</i> , <b>2021</b> , 1, 1101-1115		8
297	Controlling the Activity of a Caged Cobalt-Porphyrin-Catalyst in Cyclopropanation Reactions with Peripheral Cage Substituents. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 2890-2898	2.3	2
296	Tellurium(II)/Tellurium(III)-Catalyzed Cross-Dehydrogenative C-N Bond Formation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6451-6456	16.4	6
295	Catalytic Chemoselective Sulfimidation with an Electrophilic [Co (TAML)] -Nitrene Radical Complex*. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 371-378	4.8	8

294	Selective formation of PtL nanospheres by ligand design. <i>Chemical Science</i> , <b>2021</b> , 12, 7696-7705	9.4	7
293	Journal Open Access and Plan S: Solving Problems or Shifting Burdens?. <i>Development and Change</i> , <b>2021</b> , 52, 627-650	2.9	3
292	Electrochemical Aziridination of Internal Alkenes with Primary Amines. <i>Chem</i> , <b>2021</b> , 7, 255-266	16.2	20
291	Tellur(II)/Tellur(III)-katalysierte dehydrierende C-N-Bindungsbildung. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 6525-6530	3.6	1
290	Metrical Oxidation States of 1,4-Diazadiene-Derived Ligands. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3274-3281	5.1	9
289	How to Prepare Kinetically Stable Self-assembled Pt L Nanocages while Circumventing Kinetic Traps. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 12667-12674	4.8	6
288	Di-tert-butylidiphosphatetrahedrane as a Source of 1,2-Diphosphacyclobutadiene Ligands. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14936-14946	4.8	1
287	Electronically Asynchronous Transition States for C-N Bond Formation by Electrophilic [CoIII(TAML)]-Nitrene Radical Complexes Involving Substrate-to-Ligand Single-Electron Transfer and a Cobalt-Centered Spin Shuttle. <i>ACS Catalysis</i> , <b>2020</b> , 10, 7449-7463	13.1	18
286	Visible-light-induced addition of carboxymethanide to styrene from monochloroacetic acid. <i>Beilstein Journal of Organic Chemistry</i> , <b>2020</b> , 16, 398-408	2.5	0
285	Dioxazolones: Stable Substrates for the Catalytic Transfer of Acyl Nitrenes. <i>ACS Catalysis</i> , <b>2020</b> , 10, 4751-4769	13.7	63
284	Photoinduced and Thermal Single-Electron Transfer to Generate Radicals from Frustrated Lewis Pairs. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 9005-9011	4.8	18
283	Phosphorus Analogues of [Ni(bpy)]: Synthesis and Application in Carbon-Halogen Bond Activation. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9951-9961	5.1	3
282	An In-Depth Mechanistic Study of Ru-Catalysed Aqueous Methanol Dehydrogenation and Prospects for Future Catalyst Design. <i>ChemCatChem</i> , <b>2020</b> , 12, 2610-2621	5.2	19
281	Three-Coordinate Rhodium Complexes in Low Oxidation States. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3270-3274	4.8	4
280	Aggregation and Degradation of White Phosphorus Mediated by N-Heterocyclic Carbene Nickel(0) Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14148-14153	16.4	12
279	Aufbau- und Abbaureaktionen von weißem Phosphor induziert durch N-heterocyclische Carbenkomplexe von Nickel(0). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14252-14257	3.6	2
278	Catalytic Synthesis of 8-Membered Ring Compounds via Cobalt(III)-Carbene Radicals. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 11073-11079	16.4	24
277	Catalytic Synthesis of 8-Membered Ring Compounds via Cobalt(III)-Carbene Radicals. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 11166-11172	3.6	4

276	Ligand Redox Noninnocence in [Co(TAML)] Complexes Affects Nitrene Formation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 552-563	16.4	30
275	Low-Valence Anionic $\pi$ -Diimine Iron Complexes: Synthesis, Characterization, and Catalytic Hydroboration Studies. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16035-16052	5.1	9
274	Chiral-at-Ruthenium Catalyst Does the Job: Access to Enantioenriched 2-Imidazolidinones. <i>Chem</i> , <b>2020</b> , 6, 1851-1853	16.2	2
273	Single-Electron Transfer in Frustrated Lewis Pair Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 22210-22216	16.4	25
272	A platinum(II) metallonitrene with a triplet ground state. <i>Nature Chemistry</i> , <b>2020</b> , 12, 1054-1059	17.6	27
271	Ligand-Mediated Spin-State Changes in a Cobalt-Dipyrin-Bisphenol Complex. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 12903-12912	5.1	4
270	Role of the ligand and activator in selective Cr <sup>III</sup> /BNP ethene tri- and tetramerization catalysts: a spectroscopic study. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 6212-6222	5.5	2
269	Copper-catalyzed oxidative dehydrogenative functionalization of alkanes to allylic esters. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 500, 119190	2.7	2
268	Investigating the Active Species in a [(R-SN(H)S-R)CrCl <sub>3</sub> ] Ethene Trimerization System: Mononuclear or Dinuclear?. <i>ChemCatChem</i> , <b>2020</b> , 12, 881-892	5.2	4
267	Phosphine Oxide Based Supramolecular Ligands in the Rhodium-Catalyzed Asymmetric Hydrogenation. <i>Organometallics</i> , <b>2019</b> , 38, 3961-3969	3.8	9
266	Efficient Copper-Catalyzed Multicomponent Synthesis of Acyl Amidines via Acyl Nitrenes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15240-15249	16.4	30
265	A low-valent dinuclear ruthenium diazadiene complex catalyzes the oxidation of dihydrogen and reversible hydrogenation of quinones. <i>Chemical Science</i> , <b>2019</b> , 10, 1117-1125	9.4	6
264	Effector responsive hydroformylation catalysis. <i>Chemical Science</i> , <b>2019</b> , 10, 7389-7398	9.4	11
263	Interconversion of Phosphinyl Radical and Phosphinidene Complexes by Proton Coupled Electron Transfer. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6338-6341	16.4	17
262	[Co(TPP)]-Catalyzed Formation of Substituted Piperidines. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5658-5663	16.3	29
261	Rational Redesign of a Regioselective Hydroformylation Catalyst for 3-Butenoic Acid by Supramolecular Substrate Orientation. <i>ChemCatChem</i> , <b>2019</b> , 11, 5322-5329	5.2	11
260	Uncatalyzed Oxidative C-H Amination of 9,10-Dihydro-9-Heteroanthracenes: A Mechanistic Study. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5987-5993	4.8	12
259	Steric Protection of Rhodium-Nitridyl Radical Species. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 4249-4255	2.3	5

258	Origin of the Selectivity and Activity in the Rhodium-Catalyzed Asymmetric Hydrogenation Using Supramolecular Ligands. <i>ACS Catalysis</i> , <b>2019</b> , 9, 7535-7547	13.1	11
257	Cobalt-Catalyzed Hydrogenations via Olefin Cobaltate and Hydride Intermediates. <i>ACS Catalysis</i> , <b>2019</b> , 9, 7596-7606	13.1	21
256	Interconversion of Phosphinyl Radical and Phosphinidene Complexes by Proton Coupled Electron Transfer. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6404-6407	3.6	7
255	Cross-linking polyethylene through carbenes. <i>Science</i> , <b>2019</b> , 366, 800	33.3	4
254	Rhodium Complexes in P-H Bond Activation Reactions. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15915-15928	15.9	9
253	Iron-Catalyzed/Mediated C-N Bond Formation: Competition between Substrate Amination and Ligand Amination. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 1935-1948	5.1	11
252	[Co(MeTAA)] Metalloradical Catalytic Route to Ketenes via Carbonylation of Carbene Radicals. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2251-2258	2.3	23
251	Ligand- and Metal-Based Reactivity of a Neutral Ruthenium Diolefin Diazadiene Complex: The Innocent, the Guilty and the Suspicious. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5400-5400	4.8	1
250	An iridium(III/IV/V) redox series featuring a terminal imido complex with triplet ground state. <i>Chemical Science</i> , <b>2018</b> , 9, 4325-4332	9.4	33
249	Ligand- and Metal-Based Reactivity of a Neutral Ruthenium Diolefin Diazadiene Complex: The Innocent, the Guilty and the Suspicious. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5513-5521	4.8	20
248	Coordination of 3-Methylindole-Based Tripodal Tetrphosphine Ligands to Iron(+II), Cobalt(+II), and Nickel(+II) and Investigations of their Subsequent Two-Electron Reduction. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 1254-1265	2.3	4
247	Frontispiece: Catalytic Dibenzocyclooctene Synthesis via Cobalt(III)Carbene Radical and ortho-Quinodimethane Intermediates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57,	16.4	1
246	Catalytic Dibenzocyclooctene Synthesis via Cobalt(III)Carbene Radical and ortho-Quinodimethane Intermediates. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 146-151	3.6	29
245	Mechanistic investigations into the cyclopropanation of electron-deficient alkenes with ethyl diazoacetate using [Co(MeTAA)]. <i>Journal of Catalysis</i> , <b>2018</b> , 361, 347-360	7.3	15
244	Nickel-Alkyl Complexes with a Reactive PNC-Pincer Ligand. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2408-2418	2.3	18
243	Importance of the Reducing Agent in Direct Reductive Heck Reactions. <i>ChemCatChem</i> , <b>2018</b> , 10, 266-272	5.2	15
242	Reactivity of Rhodium(II) amido/Rhodium(I) aminyl complexes. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 482, 709-716	16.6	
241	Aryldiazonium Salts as Nitrogen-Based Lewis Acids: Facile Synthesis of Tuneable Azophosphonium Salts. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12105-12109	3.6	6

240	Aryldiazonium Salts as Nitrogen-Based Lewis Acids: Facile Synthesis of Tuneable Azophosphonium Salts. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11929-11933	16.4	11
239	Porphyry Co(III)-Nitrene Radical Mediated Pathway for Synthesis of $\alpha$ -Aminoazobenzenes. <i>Molecules</i> , <b>2018</b> , 23,	4.8	6
238	Synthesis, electronic structure and redox properties of the diruthenium sandwich complexes [Cp* <sub>x</sub> Ru(ECH) <sub>2</sub> RuCp* <sub>x</sub> ] (x = 0, 1+; Cp* = CMe <sub>5</sub> ; CH = naphthalene). <i>Dalton Transactions</i> , <b>2018</b> , 47, 11058-11069	4.3	3
237	Radical-type Reactions Controlled by Cobalt: From Carbene Radical Reactivity to the Catalytic Intermediacy of Reactive <i>o</i> -Quinodimethanes. <i>Synlett</i> , <b>2018</b> , 29, 2238-2250	2.2	15
236	How Solvent Affects C-H Activation and Hydrogen Production Pathways in Homogeneous Ru-Catalyzed Methanol Dehydrogenation Reactions. <i>ACS Catalysis</i> , <b>2018</b> , 8, 6908-6913	13.1	37
235	Catalytic Synthesis of Indolines by Hydrogen Atom Transfer to Cobalt(III)-Carbene Radicals. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5253-5258	4.8	45
234	Catalytic Dibenzocyclooctene Synthesis via Cobalt(III)-Carbene Radical and <i>ortho</i> -Quinodimethane Intermediates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 140-145	16.4	67
233	Application of [Co(Corrole)] <sup>+</sup> Complexes in Ring-Closing C <sup>≡</sup> N Amination of Aliphatic Azides via Nitrene Radical Intermediates. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 617-626	2.3	30
232	Application of Stimuli-Responsive and Non-innocent Ligands in Base Metal Catalysis <b>2018</b> , 1-31		3
231	Aqueous Phase Separation Behavior of Highly Syndiotactic, High Molecular Weight Polymers with Densely Packed Hydroxy-Containing Side Groups. <i>Macromolecules</i> , <b>2018</b> , 51, 7248-7256	5.5	13
230	DFT Provides Insight into the Additive-Free Conversion of Aqueous Methanol to Dihydrogen Catalyzed by [Ru(tropdad)]: Importance of the (Electronic) Flexibility of the Diazadiene Moiety. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13103-13114	16.4	14
229	Single-Electron Elementary Steps in Homogeneous Organometallic Catalysis. <i>Advances in Organometallic Chemistry</i> , <b>2018</b> , 71-180	3.8	7
228	Pump-probe XAS investigation of the triplet state of an Ir photosensitizer with chromenopyridinone ligands. <i>Photochemical and Photobiological Sciences</i> , <b>2018</b> , 17, 896-902	4.2	11
227	Mechanism of the Dehydrogenative Phenothiazination of Phenols. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11936-11943	4.8	21
226	A Stable Aminyl Radical Coordinated to Cobalt. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6795-6802	4.8	11
225	Diastereoselective Radical-Type Cyclopropanation of Electron-Deficient Alkenes Mediated by the Highly Active Cobalt(II) Tetramethyltetraaza[14]annulene Catalyst. <i>ChemCatChem</i> , <b>2017</b> , 9, 1413-1421	5.2	44
224	Diastereoselective Radical-Type Cyclopropanation of Electron-Deficient Alkenes Mediated by the Highly Active Cobalt(II) Tetramethyltetraaza[14]annulene Catalyst. <i>ChemCatChem</i> , <b>2017</b> , 9, 1358-1358	5.2	
223	Balance between Metal and Ligand Reduction in Diiminepyridine Complexes of Ti. <i>Organometallics</i> , <b>2017</b> , 36, 3189-3198	3.8	9

222	Homogeneously catalysed conversion of aqueous formaldehyde to H and carbonate. <i>Nature Communications</i> , <b>2017</b> , 8, 14990	17.4	46
221	N-Atom transfer via thermal or photolytic activation of a Co-azido complex with a PNP pincer ligand. <i>Dalton Transactions</i> , <b>2017</b> , 46, 7145-7149	4.3	24
220	Electronic Structure and Magnetic Anisotropy of an Unsaturated Cyclopentadienyl Iron(I) Complex with 15 Valence Electrons. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7995-7999	16.4	22
219	Cobalt-Porphyrin-Catalysed Intramolecular Ring-Closing C-H Amination of Aliphatic Azides: A Nitrene-Radical Approach to Saturated Heterocycles. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 7945-7952	4.8	99
218	Difluorocarbene transfer from a cobalt complex to an electron-deficient alkene. <i>Chemical Communications</i> , <b>2017</b> , 53, 4382-4385	5.8	29
217	Catalytic Synthesis of N-Heterocycles via Direct C(sp)-H Amination Using an Air-Stable Iron(III) Species with a Redox-Active Ligand. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5117-5124	16.4	136
216	Metal-Catalysed Azidation of Organic Molecules. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 1152-1176	3.2	59
215	Redox-Active Bis(phenolate) N-Heterocyclic Carbene [OCO] Pincer Ligands Support Cobalt Electron Transfer Series Spanning Four Oxidation States. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 12421-12435	5.1	34
214	Catalytic 1,2-dihydronaphthalene and -aryl-diene synthesis Co-Carbene radical and -quinodimethane intermediates. <i>Chemical Science</i> , <b>2017</b> , 8, 8221-8230	9.4	44
213	Rational Optimization of Supramolecular Catalysts for the Rhodium-Catalyzed Asymmetric Hydrogenation Reaction. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13236-13240	3.6	5
212	Rational Optimization of Supramolecular Catalysts for the Rhodium-Catalyzed Asymmetric Hydrogenation Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13056-13060	16.4	26
211	Metalloradical Reactivity of Ru and Ru Stabilized by an Indole-Based Tripodal Tetrphosphine Ligand. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 12709-12713	4.8	9
210	Electrocatalytic Azide Oxidation Mediated by a Rh(PNP) Pincer Complex. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 17438-17443	4.8	10
209	Nitrene Radical Intermediates in Catalytic Synthesis. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13819-13829	4.9	113
208	Transition-Metal-Free Cleavage of CO. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13628-13632	4.8	41
207	Elektronische Struktur und magnetische Anisotropie eines ungesättigten Cyclopentadienyleisen(I)-Komplexes mit 15 Valenzelektronen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8107-8112	3.6	5
206	Selective P Activation by a Highly Reduced Cobaltate: Synthesis of Dicobalt Tetrphosphido Complexes. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6094-6102	4.8	37
205	3-Methylindole-Based Tripodal Tetrphosphine Ruthenium Complexes in N <sub>2</sub> Coordination and Reduction and Formic Acid Dehydrogenation. <i>Inorganics</i> , <b>2017</b> , 5, 73	2.9	3

204 Carbene or C1 Polymerization **2017**, 117-136

203 Reversible Redox Chemistry and Catalytic C(sp<sup>3</sup>)-H Amination Reactivity of a Paramagnetic Pd Complex Bearing a Redox-Active o-Aminophenol-Derived NNO Pincer Ligand. *Inorganic Chemistry*, **2016**, 55, 8603-11 5.1 59

202 Localized Mixed-Valence and Redox Activity within a Triazole-Bridged Dinucleating Ligand upon Coordination to Palladium. *Chemistry - A European Journal*, **2016**, 22, 13965-13975 4.8 24

201 Reactivity of a Ruthenium-Carbonyl Complex in the Methanol Dehydrogenation Reaction. *ChemCatChem*, **2016**, 8, 2752-2756 5.2 16

200 Selective Co-Encapsulation Inside an M L Cage. *Chemistry - A European Journal*, **2016**, 22, 15468-15474 4.8 27

199 Reactivity of Me-pma RhI and IrI Complexes upon Deprotonation and Their Application in Catalytic Carbene Carbonylation Reactions. *European Journal of Inorganic Chemistry*, **2016**, 2016, 963-974 2.3 11

198 Deprotonation Induced Ligand Oxidation in a Ni(II) Complex of a Redox Noninnocent N(1)-(2-Aminophenyl)benzene-1,2-diamine and Its Use in Catalytic Alcohol Oxidation. *Inorganic Chemistry*, **2016**, 55, 6114-23 5.1 40

197 Co(III)-Carbene Radical Approach to Substituted 1H-Indenes. *Journal of the American Chemical Society*, **2016**, 138, 8968-75 16.4 99

196 [Cp(Ar)Ni{Ga(nacnac)}]: An Open-Shell Nickel(I) Complex Supported by a Gallium(I) Carbenoid (Cp(Ar) = C<sub>5</sub>(C<sub>6</sub>H<sub>4</sub>-4-Et)<sub>5</sub>, nacnac = HC[C(Me)N-(C<sub>6</sub>H<sub>3</sub>)-2,6-iPr<sub>2</sub>]<sub>2</sub>). *Inorganic Chemistry*, **2016**, 55, 3075-8 5.1 18

195 Nucleophilicity and P-C Bond Formation Reactions of a Terminal Phosphanido Iridium Complex. *Inorganic Chemistry*, **2016**, 55, 828-39 5.1 7

194 Reversible cyclometalation at RhI as a motif for metal-ligand bifunctional bond activation and base-free formic acid dehydrogenation. *Catalysis Science and Technology*, **2016**, 6, 1320-1327 5.5 38

193 Porphyrin Cobalt(III) "Nitrene Radical" Reactivity; Hydrogen Atom Transfer from Ortho-YH Substituents to the Nitrene Moiety of Cobalt-Bound Aryl Nitrene Intermediates (Y = O, NH). *Molecules*, **2016**, 21, 242 4.8 17

192 A Self-Assembled Molecular Cage for Substrate-Selective Epoxidation Reactions in Aqueous Media. *ACS Catalysis*, **2016**, 6, 3106-3112 13.1 66

191 Accessing the CpArNi(I) Synthone: Reactions with N-Heterocyclic Carbenes, TEMPO, Sulfur, and Selenium. *Organometallics*, **2016**, 35, 1624-1631 3.8 26

190 Redox Non-innocent Ligands **2016**, 176-204 25

189 Hydroformylation of 1-Octene Mediated by the Cobalt Complex [CoH(dchpf)(CO)<sub>2</sub>]. *Topics in Catalysis*, **2016**, 59, 1787-1792 2.3 10

188 Reactivity of Dinitrogen Bound to Mid- and Late-Transition-Metal Centers. *European Journal of Inorganic Chemistry*, **2015**, 2015, 567-598 2.3 101

187 Dinuclear palladium complexes with two ligand-centered radicals and a single bridging ligand: subtle tuning of magnetic properties. *Chemistry - A European Journal*, **2015**, 21, 5879-86 4.8 31



186	Catalytic Synthesis of 2H-Chromenes. <i>ACS Catalysis</i> , <b>2015</b> , 5, 2329-2366	13.1	119
185	Low-valent iron: an Fe(I) ate compound as a building block for a linear trinuclear Fe cluster. <i>Chemical Communications</i> , <b>2015</b> , 51, 13890-3	5.8	17
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40	Dynamic combinatorial chemistry: the unexpected choice of receptors by guest molecules. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2660-3	16.4	69
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