

# Albert Poater

## List of Publications by Citations

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240  
papers

9,115  
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53  
h-index

86  
g-index

267  
ext. papers

10,618  
ext. citations

5.7  
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6.51  
L-index

#	Paper	IF	Citations
240	SambVca: A Web Application for the Calculation of the Buried Volume of N-Heterocyclic Carbene Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 1759-1766	2.3	610
239	Understanding the M(NHC) (NHC=N-heterocyclic carbene) bond. <i>Coordination Chemistry Reviews</i> , <b>2009</b> , 253, 687-703	23.2	567
238	SambVca 2. A Web Tool for Analyzing Catalytic Pockets with Topographic Steric Maps. <i>Organometallics</i> , <b>2016</b> , 35, 2286-2293	3.8	468
237	Towards the online computer-aided design of catalytic pockets. <i>Nature Chemistry</i> , <b>2019</b> , 11, 872-879	17.6	350
236	What can NMR spectroscopy of selenoureas and phosphinidenes teach us about the accepting abilities of $\pi$ -heterocyclic carbenes?. <i>Chemical Science</i> , <b>2015</b> , 6, 1895-1904	9.4	201
235	Understanding d(0)-olefin metathesis catalysts: which metal, which ligands?. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8207-16	16.4	195
234	Thermodynamics of N-Heterocyclic Carbene Dimerization: The Balance of Sterics and Electronics. <i>Organometallics</i> , <b>2008</b> , 27, 2679-2681	3.8	170
233	Comparing the enantioselective power of steric and electrostatic effects in transition-metal-catalyzed asymmetric synthesis. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 14348-53	4.8	150
232	Flexibility of N-heterocyclic carbene ligands in ruthenium complexes relevant to olefin metathesis and their impact in the first coordination sphere of the metal. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4249-58	16.4	148
231	Facile C-H bond cleavage via a proton-coupled electron transfer involving a C-H...Cu(II) interaction. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12299-306	16.4	119
230	Ligand-Controlled Chemoselective C(acyl)-O Bond vs C(aryl)-C Bond Activation of Aromatic Esters in Nickel Catalyzed C(sp)-C(sp) Cross-Couplings. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3724-3735	16.4	114
229	Selectivity Switch in the Synthesis of Vinylgold(I) Intermediates. <i>Organometallics</i> , <b>2011</b> , 30, 6328-6337	3.8	110
228	[{Au(IPr)} <sub>2</sub> (EOH)]X complexes: synthetic, structural and catalytic studies. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 1238-46	4.8	103
227	Cooperative Effect of Monopodal Silica-Supported Niobium Complex Pairs Enhancing Catalytic Cyclic Carbonate Production. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7728-39	16.4	100
226	Bifunctional (cyclopentadienone)iron-tricarbonyl complexes: synthesis, computational studies and application in reductive amination. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 17881-90	4.8	100
225	Ascorbic Acid as a Bifunctional Hydrogen Bond Donor for the Synthesis of Cyclic Carbonates from CO <sub>2</sub> under Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 6392-6397	8.3	100
224	Identification and characterization of a new family of catalytically highly active imidazolin-2-ylidenes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 6848-58	16.4	98

223	Fine-tuning the electronic properties of highly stable organometallic Cu(III) complexes containing monoanionic macrocyclic ligands. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 5146-56	4.8	97
222	Blue-emitting dinuclear N-heterocyclic dicarbene gold(I) complex featuring a nearly unit quantum yield. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 1778-84	5.1	91
221	The activation mechanism of Ru-indenylidene complexes in olefin metathesis. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7073-9	16.4	88
220	Molecular structure and bonding of copper cluster monocarbonyls $Cu_nCO$ ( $n = 1-9$ ). <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 6526-36	3.4	88
219	The isolation of $[Pd\{OC(O)H\}(H)(NHC)(PR_3)]$ (NHC = N-heterocyclic carbene) and its role in alkene and alkyne reductions using formic acid. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4588-91	16.4	80
218	Enantioselective polymerization of epoxides using biaryl-linked bimetallic cobalt catalysts: a mechanistic study. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18901-11	16.4	76
217	The doping effect of fluorinated aromatic solvents on the rate of ruthenium-catalysed olefin metathesis. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 12981-93	4.8	74
216	Computational modeling of heterogeneous Ziegler-Natta catalysts for olefins polymerization. <i>Progress in Polymer Science</i> , <b>2018</b> , 84, 89-114	29.6	72
215	Modeling the structure-property relationships of nanoneedles: A journey toward nanomedicine. <i>Journal of Computational Chemistry</i> , <b>2009</b> , 30, 275-84	3.5	71
214	Gold(I)-catalyzed synthesis of furans and pyrroles via alkyne hydration. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 58	5.5	68
213	Well-Defined Phosphine-Free Iron-Catalyzed N-Ethylation and N-Methylation of Amines with Ethanol and Methanol. <i>Organic Letters</i> , <b>2018</b> , 20, 5985-5990	6.2	68
212	Mechanistic insights into the cis-trans isomerization of ruthenium complexes relevant to catalysis of olefin metathesis. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 14354-64	4.8	67
211	Supramolecular water oxidation with Ru-bda-based catalysts. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 17282-6	4.8	66
210	How does the addition of steric hindrance to a typical N-heterocyclic carbene ligand affect catalytic activity in olefin metathesis?. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7433-9	4.3	66
209	The Right Computational Recipe for Olefin Metathesis with Ru-Based Catalysts: The Whole Mechanism of Ring-Closing Olefin Metathesis. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 4442-8	6.4	65
208	Coordinatively Unsaturated Ruthenium Complexes As Efficient AlkyneAzide Cycloaddition Catalysts. <i>Organometallics</i> , <b>2012</b> , 31, 756-767	3.8	65
207	Exploring the reactivity of Ru-based metathesis catalysts with a pi-acid ligand trans to the Ru-ylidene bond. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9000-6	16.4	65
206	Highly active phosphine-free bifunctional iron complex for hydrogenation of bicarbonate and reductive amination. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 7066-70	4.8	63

205	A trinuclear Pt(II) compound with short Pt-Pt-Pt contacts. An analysis of the influence of pi-pi stacking interactions on the strength and length of the Pt-Pt bond. <i>Dalton Transactions</i> , <b>2006</b> , 1188-96	4.3	62
204	Assessing the pKa-Dependent Activity of Hydroxyl Hydrogen Bond Donors in the Organocatalyzed Cycloaddition of Carbon Dioxide to Epoxides: Experimental and Theoretical Study. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 366-373	5.6	61
203	Mechanistic Study of Suzuki-Miyaura Cross-Coupling Reactions of Amides Mediated by [Pd(NHC)(allyl)Cl] Precatalysts. <i>ChemCatChem</i> , <b>2018</b> , 10, 3096-3106	5.2	58
202	Pd immobilized on dendrimer decorated halloysite clay: Computational and experimental study on the effect of dendrimer generation, Pd valance and incorporation of terminal functionality on the catalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 531, 421-432	9.3	58
201	Mechanism of racemization of chiral alcohols mediated by 16-electron ruthenium complexes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 13146-9	16.4	58
200	Hexafluorobenzene: a powerful solvent for a noncovalent stereoselective organocatalytic Michael addition reaction. <i>Chemical Communications</i> , <b>2012</b> , 48, 1650-2	5.8	57
199	A computational perspective of olefins metathesis catalyzed by N-heterocyclic carbene ruthenium (pre)catalysts. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 1287	5.5	57
198	Copper(II) hexaaza macrocyclic binuclear complexes obtained from the reaction of their copper(I) derivatives and molecular dioxygen. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 3569-81	5.1	56
197	Dynamics of the NbCl5-catalyzed cycloaddition of propylene oxide and CO2 : assessing the dual role of the nucleophilic Co-catalysts. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 11870-82	4.8	55
196	Alkylation of Ketones Catalyzed by Bifunctional Iron Complexes: From Mechanistic Understanding to Application. <i>ChemCatChem</i> , <b>2017</b> , 9, 4410-4416	5.2	55
195	A versatile gold synthon for acetylene C-H bond activation. <i>Dalton Transactions</i> , <b>2010</b> , 39, 10382-90	4.3	55
194	Selective Metathesis of Olefins from Bio-Sourced Fischer-Tropsch Feeds. <i>ACS Catalysis</i> , <b>2016</b> , 6, 7970-7976	6.1	54
193	C2-symmetric chiral disulfoxide ligands in rhodium-catalyzed 1,4-addition: from ligand synthesis to the enantioselection pathway. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 14335-47	4.8	54
192	Mechanistic insights into the double C-H (de)activation route of a Ru-based olefin metathesis catalyst?. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 324, 75-79		54
191	Complete mechanism of sigma* intramolecular aromatic hydroxylation through O2 activation by a macrocyclic dicopper(I) complex. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 17710-7	16.4	54
190	Mechanism of the Suzuki-Miyaura Cross-Coupling Reaction Mediated by [Pd(NHC)(allyl)Cl] Precatalysts. <i>Organometallics</i> , <b>2017</b> , 36, 2088-2095	3.8	53
189	Activation and Deactivation of Neutral Palladium(II) Phosphinesulfonato Polymerization Catalysts. <i>Organometallics</i> , <b>2012</b> , 31, 8388-8406	3.8	53
188	How phenyl makes a difference: mechanistic insights into the ruthenium(II)-catalysed isomerisation of allylic alcohols. <i>Chemical Science</i> , <b>2014</b> , 5, 180-188	9.4	52

187	Synthesis and Reactivity of Ruthenium Phosphite Indenylidene Complexes. <i>Organometallics</i> , <b>2012</b> , 31, 7415-7426	3.8	52
186	DFT calculations of d <sup>0</sup> M(NR)(CHtBu)(X)(Y) (M = Mo, W; R = CPh <sub>3</sub> , 2,6-iPr-C <sub>6</sub> H <sub>3</sub> ; X and Y = CH <sub>2</sub> tBu, OtBu, OSi(OtBu) <sub>3</sub> ) olefin metathesis catalysts: structural, spectroscopic and electronic properties. <i>Dalton Transactions</i> , <b>2006</b> , 3077-87	4.3	52
185	Regioselective intramolecular Pauson-Khand reactions of C <sub>60</sub> : an electrochemical study and theoretical underpinning. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 2716-29	4.8	52
184	Highly Efficient and Eco-Friendly Gold-Catalyzed Synthesis of Homoallylic Ketones. <i>ACS Catalysis</i> , <b>2014</b> , 4, 2701-2705	13.1	51
183	Insights into the decomposition of olefin metathesis precatalysts. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8995-9	16.4	51
182	Mechanism of the Manganese-Pincer-Catalyzed Acceptorless Dehydrogenative Coupling of Nitriles and Alcohols. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2398-2403	16.4	50
181	A combined mechanistic and computational study of the gold(I)-catalyzed formation of substituted indenenes. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 101-4	3.9	50
180	An Alternative Reaction Pathway for Iridium-Catalyzed Water Oxidation Driven by Cerium Ammonium Nitrate (CAN). <i>ACS Catalysis</i> , <b>2016</b> , 6, 4559-4563	13.1	49
179	Comparison of different ruthenium-alkylidene bonds in the activation step with N-heterocyclic carbene Ru-catalysts for olefins metathesis. <i>Dalton Transactions</i> , <b>2011</b> , 40, 11066-9	4.3	49
178	Rationalizing current strategies to protect N-heterocyclic carbene-based ruthenium catalysts active in olefin metathesis from C-H (de)activation. <i>Chemical Communications</i> , <b>2011</b> , 47, 6674-6	5.8	49
177	Mechanistic insights into the chemistry of Rull complexes containing Cl and DMSO ligands. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 10707-16	5.1	48
176	Mechanism of Coupling of Alcohols and Amines To Generate Aldimines and H <sub>2</sub> by a Pincer Manganese Catalyst. <i>ACS Catalysis</i> , <b>2019</b> , 9, 1662-1669	13.1	47
175	From olefin metathesis catalyst to alcohol racemization catalyst in one step. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1042-5	16.4	45
174	Computational methods to predict the reactivity of nanoparticles through structure-property relationships. <i>Expert Opinion on Drug Delivery</i> , <b>2010</b> , 7, 295-305	8	44
173	A latent ruthenium based olefin metathesis catalyst with a sterically demanding NHC ligand. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 1640	5.5	43
172	Study of the effect of the ligand structure on the catalytic activity of Pd@ ligand decorated halloysite: Combination of experimental and computational studies. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4891	3.1	41
171	Probing the mechanism of O <sub>2</sub> activation by a copper(I) biomimetic complex of a C-H hydroxylating copper monooxygenase. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 4062-6	5.1	41
170	On the Mechanism of the Digold(I)-Hydroxide-Catalysed Hydrophenoxylation of Alkynes. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 1125-32	4.8	41

169	Iron-Catalyzed Chemoselective Reduction of $\beta$ -Unsaturated Ketones. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5770-5774	4.8	40
168	New Ru complexes containing the N-tridentate bpea and phosphine ligands: consequences of meridional vs facial geometry. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 10520-9	5.1	40
167	Molecular mechanism of acid-triggered aryl-halide reductive elimination in well-defined aryl-Cu(III)-halide species. <i>Dalton Transactions</i> , <b>2010</b> , 39, 10458-63	4.3	39
166	Fast O <sub>2</sub> binding at dicopper complexes containing Schiff-base dinucleating ligands. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 4997-5012	5.1	39
165	Regiospecific C-H bond activation: reversible H/D exchange promoted by CuI complexes with triazamacrocyclic ligands. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2941-4	16.4	39
164	Amino acid ionic liquids as potential candidates for CO <sub>2</sub> capture: Combined density functional theory and molecular dynamics simulations. <i>Chemical Physics Letters</i> , <b>2020</b> , 745, 137239	2.5	38
163	The Fundamental Noninnocent Role of Water for the Hydrogenation of Nitrous Oxide by PNP Pincer Ru-based Catalysts. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 14383-14387	5.1	38
162	Buchwald-Hartwig cross-coupling of amides (transamidation) by selective N-C(O) cleavage mediated by air- and moisture-stable [Pd(NHC)(allyl)Cl] precatalysts: catalyst evaluation and mechanism. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 710-716	5.5	35
161	Comparing Ru and Fe-catalyzed olefin metathesis. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11216-20	4.3	34
160	Pesticides Curbing Soil Fertility: Effect of Complexation of Free Metal Ions. <i>Frontiers in Chemistry</i> , <b>2017</b> , 5, 43	5	34
159	Exploring the mechanism of Grignard metathesis polymerization of 3-alkylthiophenes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 15143-50	4.3	32
158	Covalent and Ionic Capacity of MOFs To Sorb Small Gas Molecules. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 6981-6990	3.9	32
157	Impact of Electronic Modification of the Chelating Benzylidene Ligand in cis-Dichloro-Configured Second-Generation Olefin Metathesis Catalysts on Their Activity. <i>Organometallics</i> , <b>2014</b> , 33, 2806-2813	3.8	31
156	Synthesis, Structure, and Redox Properties of a New Aqua Ruthenium Complex Containing the Tridentate [9]aneS <sub>3</sub> and the Didentate 1,10-Phenanthroline Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 612-618	2.3	31
155	Synthesis of well-defined yttrium-based Lewis acids by capturing a reaction intermediate and catalytic application for cycloaddition of CO <sub>2</sub> to epoxides under atmospheric pressure. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 6152-6165	5.5	31
154	Atropisomeric discrimination in new Ru(II) complexes containing the C(2)-symmetric didentate chiral phenyl-1,2-bisoxazolinic ligand. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 2798-807	4.8	30
153	Efficient hydro-finishing of polyalphaolefin based lubricants under mild reaction condition using Pd on ligands decorated halloysite. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 581, 939-953	9.3	29
152	Dinuclear Ru-aqua complexes for selective epoxidation catalysis based on supramolecular substrate orientation effects. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 3898-902	4.8	28

151	Energetics of the ruthenium-halide bond in olefin metathesis (pre)catalysts. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7312-7	4.3	28
150	Comparing families of olefin polymerization precatalysts using the percentage of buried volume. <i>Dalton Transactions</i> , <b>2009</b> , 8885-90	4.3	28
149	The activation mechanism of Fe-based olefin metathesis catalysts. <i>Chemical Physics Letters</i> , <b>2014</b> , 610-611, 29-32	2.5	26
148	Exploring new generations of ruthenium olefin metathesis catalysts: the reactivity of a bis-ylidene ruthenium complex by DFT. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7271-5	4.3	26
147	New ru(II) complexes containing oxazoline ligands as epoxidation catalysts. Influence of the substituents on the catalytic performance. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6044-54	5.1	26
146	Single-Site Molybdenum on Solid Support Materials for Catalytic Hydrogenation of N-into-NH. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15812-15816	16.4	25
145	Hydrogenation of CO <sub>2</sub> , Hydrogenocarbonate, and Carbonate to Formate in Water using Phosphine Free Bifunctional Iron Complexes. <i>ACS Catalysis</i> , <b>2020</b> , 10, 2108-2116	13.1	24
144	Evaluation of an olefin metathesis pre-catalyst with a bulky and electron-rich N-heterocyclic carbene. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 780, 43-48	2.3	24
143	[Pd(NHC)(EtCl)Cl]: Versatile and Highly Reactive Complexes for Cross-Coupling Reactions that Avoid Formation of Inactive Pd(I) Off-Cycle Products. <i>IScience</i> , <b>2020</b> , 23, 101377	6.1	24
142	Mechanism of the Ru $\pi$ -Allenylidene to Ru $\pi$ -indenylidene Rearrangement in Ruthenium Precatalysts for Olefin Metathesis. <i>Organometallics</i> , <b>2015</b> , 34, 3107-3111	3.8	23
141	O <sub>2</sub> chemistry of dicopper complexes with alkyltriamine ligands. Comparing synergistic effects on O <sub>2</sub> binding. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 5239-41	5.1	23
140	Toxmatch--a chemical classification and activity prediction tool based on similarity measures. <i>Regulatory Toxicology and Pharmacology</i> , <b>2008</b> , 52, 77-84	3.4	22
139	How easy is CO <sub>2</sub> fixation by M $\pi$ bond containing complexes (M = Cu, Ni, Co, Rh, Ir)?. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 19-23	5.2	21
138	Cycloaddition of CO <sub>2</sub> to challenging N-tosyl aziridines using a halogen-free niobium complex: Catalytic activity and mechanistic insights. <i>Molecular Catalysis</i> , <b>2017</b> , 443, 280-285	3.3	21
137	A comprehensive study of olefin metathesis catalyzed by Ru-based catalysts. <i>Beilstein Journal of Organic Chemistry</i> , <b>2015</b> , 11, 1767-80	2.5	21
136	Silica-Supported Tungsten Carbynes (?SiO) <sub>x</sub> W(?CH)(Me) <sub>y</sub> (x = 1, y = 2; x = 2, y = 1): New Efficient Catalysts for Alkyne Cyclotrimerization. <i>Organometallics</i> , <b>2015</b> , 34, 690-695	3.8	21
135	Deactivation of Ru-benzylidene Grubbs catalysts active in olefin metathesis. <i>Theoretical Chemistry Accounts</i> , <b>2012</b> , 131, 1	1.9	21
134	NHC-Copper(I) Halide-Catalyzed Direct Alkynylation of Trifluoromethyl Ketones on Water. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 8089-94	4.8	20

- 133 From ruthenium olefin metathesis catalyst to ( $\beta$ -3-phenylindenyl)hydrido complex via alcoholysis. *Chemical Communications*, **2014**, 50, 2205-7 5.8 19
- 132 Catalytic Role of Nickel in the Decarbonylative Addition of Phthalimides to Alkynes. *Organometallics*, **2013**, 32, 6330-6336 3.8 19
- 131 Ruthenium-catalysed decomposition of formic acid: Fuel cell and catalytic applications. *Molecular Catalysis*, **2017**, 440, 184-189 3.3 19
- 130 N-Tetradentate SPANamine Derivatives and Their MnII-Complexes as Catalysts for Epoxidation of Alkenes. *European Journal of Inorganic Chemistry*, **2013**, 2013, 1213-1224 2.3 19
- 129 Structural stability, acidity, and halide selectivity of the fluoride riboswitch recognition site. *Journal of the American Chemical Society*, **2015**, 137, 299-306 16.4 18
- 128 The preference for dual-gold(i) catalysis in the hydro(alkoxylation vs. phenoxylation) of alkynes. *Organic and Biomolecular Chemistry*, **2017**, 15, 6416-6425 3.9 18
- 127 Environmental friendly Fe substitutive of Ru in water oxidation catalysis. *Catalysis Communications*, **2014**, 44, 2-5 3.2 18
- 126 Interaction of common cocatalysts in Ziegler-Natta-catalyzed olefin polymerization. *Applied Organometallic Chemistry*, **2020**, 34, e5333 3.1 18
- 125 Structural and energetic characterization of the emissive RNA alphabet based on the isothiazolo[4,3-d]pyrimidine heterocycle core. *Physical Chemistry Chemical Physics*, **2016**, 18, 18045-53 3.6 18
- 124 Axial Ligand Effects of Ru-BDA Complexes in the O-O Bond Formation via the I2M Bimolecular Mechanism in Water Oxidation Catalysis. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2101-2108 2.3 18
- 123 Au(I)-Catalyzed hydroarylation of alkenes with N,N-dialkylanilines: a dual gold catalysis concept. *Catalysis Science and Technology*, **2018**, 8, 6486-6492 5.5 18
- 122 Insights into mechanism and selectivity in ruthenium(II)-catalysed ortho-arylation reactions directed by Lewis basic groups. *Catalysis Science and Technology*, **2018**, 8, 3174-3182 5.5 18
- 121 Mechanistic Aspects of the Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling Reaction. *Chemistry - A European Journal*, **2021**, 27, 13481-13493 4.8 18
- 120 Reusable manganese compounds containing pyrazole-based ligands for olefin epoxidation reactions. *Dalton Transactions*, **2015**, 44, 17529-43 4.3 17
- 119 Coordinative chain transfer polymerization of 1-decene in the presence of a Ti-based diamine bis(phenolate) catalyst: a sustainable approach to produce low viscosity PAOs. *Green Chemistry*, **2020**, 22, 4617-4626 10 17
- 118 Mechanism of CO<sub>2</sub> Fixation by Ir-X Bonds (X = OH, OR, N, C). *European Journal of Inorganic Chemistry*, **2015**, 2015, 4653-4657 2.3 17
- 117 Oxidation of copper(I) hexaaza macrocyclic dinuclear complexes. *Journal of Physical Chemistry A*, **2009**, 113, 9030-40 2.8 17
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