

Sonja Herres-Pawlis

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.

198
papers

3,870
citations

33
h-index

51
g-index

231
ext. papers

4,406
ext. citations

4.2
avg, IF

5.55
L-index

#	Paper	IF	Citations
198	Simple Zn(ii) complexes for the production and degradation of polyesters.. <i>RSC Advances</i> , 2022 , 12, 14163-1424	3.7	3
197	Guanidine Carboxy Zinc Complexes for the Chemical Recycling of Renewable Polyesters.. <i>ChemPlusChem</i> , 2022 , e202200029	2.8	0
196	Increasing the Activity of Copper Guanidine Quinoline Catalysts: Substitution at the Quinoline Backbone Leads to Highly Active Complexes for ATRP. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 832-842	1.3	3
195	Chemogenetic Evolution of a Peroxidase-like Artificial Metalloenzyme. <i>ACS Catalysis</i> , 2021 , 11, 5079-5087	7.1	7
194	In celebration of the 70th birthday of Peter Kläfers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 801-802	1.3	
193	Small-Scale Phenomena in Reactive Bubbly Flows: Experiments, Numerical Modeling, and Applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2021 , 12, 625-643	8.9	1
192	Determination of Kinetics for Reactive Bubbly Flows Using SuperFocus Mixers. <i>Fluid Mechanics and Its Applications</i> , 2021 , 479-506	0.2	
191	Visualization and Quantitative Analysis of Consecutive Reactions in Taylor Bubble Flows. <i>Fluid Mechanics and Its Applications</i> , 2021 , 507-543	0.2	1
190	Control of the Formation and Reaction of Copper-Oxygen Adduct Complexes in Multiphase Streams. <i>Fluid Mechanics and Its Applications</i> , 2021 , 7-38	0.2	
189	Chemical Reactions at Freely Ascending Single Bubbles. <i>Fluid Mechanics and Its Applications</i> , 2021 , 545-581	1.1	
188	Shot noise limited soft x-ray absorption spectroscopy in solution at a SASE-FEL using a transmission grating beam splitter. <i>Structural Dynamics</i> , 2021 , 8, 014303	3.2	3
187	Room temperature stable multitalent: highly reactive and versatile copper guanidine complexes in oxygenation reactions. <i>Journal of Biological Inorganic Chemistry</i> , 2021 , 26, 249-263	3.7	4
186	Nachtaktiv: Eisen-Guanidin-Komplex katalysiert ROP auf der schlafenden Seite der ATRP. <i>Angewandte Chemie</i> , 2021 , 133, 21965-21971	3.6	1
185	The Green toxicology approach: Insight towards the eco-toxicologically safe development of benign catalysts. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125889	12.8	6
184	Active in Sleep: Iron Guanidine Catalyst Performs ROP on Dormant Side of ATRP. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21795-21800	16.4	3
183	Influence of the amine donor on hybrid guanidine-stabilized Bis(Ebxido) dicopper(III) complexes and their tyrosinase-like oxygenation activity towards polycyclic aromatic alcohols. <i>Journal of Inorganic Biochemistry</i> , 2021 , 224, 111541	4.2	1
182	A new generation of terminal copper nitrenes and their application in aromatic C-H amination reactions. <i>Dalton Transactions</i> , 2021 , 50, 6444-6462	4.3	2

181	Forschungsdatenmanagement - Zeit fñden Abschied vom analogen Laborbuch. <i>Nachrichten Aus Der Chemie</i> , 2020 , 68, 20-23	0.1	0
180	Research Data in Chemistry [Results of the first NFDI4Chem Community Survey. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1748-1757	1.3	2
179	Robust Guanidine Metal Catalysts for the Ring-Opening Polymerization of Lactide under Industrially Relevant Conditions. <i>ChemPlusChem</i> , 2020 , 85, 1044-1052	2.8	17
178	Exceptional Substrate Diversity in Oxygenation Reactions Catalyzed by a Bis(Ebxo) Copper Complex. <i>Chemistry - A European Journal</i> , 2020 , 26, 7556-7562	4.8	9
177	New stereocontrol on the block. <i>Nature Chemistry</i> , 2020 , 12, 107-109	17.6	1
176	Enhanced catalytic activity of copper complexes in microgels for aerobic oxidation of benzyl alcohols. <i>Chemical Communications</i> , 2020 , 56, 5601-5604	5.8	1
175	Undiscovered Potential: Ge Catalysts for Lactide Polymerization. <i>Chemistry - A European Journal</i> , 2020 , 26, 212-221	4.8	22
174	Mononuclear zinc(II) Schiff base complexes as catalysts for the ring-opening polymerization of lactide. <i>European Polymer Journal</i> , 2020 , 122, 109302	5.2	17
173	Interplay of Spin Crossover and Coordination-Induced Spin State Switch for Iron Bis(pyrazolyl)methanes in Solution. <i>Inorganic Chemistry</i> , 2020 , 59, 15343-15354	5.1	6
172	Kinetic Investigation of the Reaction of Dioxygen with the Copper(I) Complex [Cu(PimiPr2)(CH3CN)]CF3SO3 {PimiPr2 = Tris[2-(1,4-diisopropylimidazolyl)]phosphine}. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3143-3150	2.3	4
171	Innenrñktitelbild: Mit der nñhsten Generation von Zink-Bisguanidin-Polymerisationskatalysatoren zu hochkristallinen, biologisch abbaubaren Polyestern (Angew. Chem. 48/2020). <i>Angewandte Chemie</i> , 2020 , 132, 21971-21971	3.6	
170	Mit der nñhsten Generation von Zink-Bisguanidin-Polymerisationskatalysatoren zu hochkristallinen, biologisch abbaubaren Polyestern. <i>Angewandte Chemie</i> , 2020 , 132, 21962-21968	3.6	7
169	Next Generation of Zinc Bisguanidine Polymerization Catalysts towards Highly Crystalline, Biodegradable Polyesters. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21778-21784	16.4	28
168	Catalytically Active Iron(IV)oxo Species Based on a Bis(pyridinyl)phenanthrolylmethane. <i>Israel Journal of Chemistry</i> , 2020 , 60, 987-998	3.4	4
167	Tuning a robust system: N,O zinc guanidine catalysts for the ROP of lactide. <i>Dalton Transactions</i> , 2019 , 48, 6071-6082	4.3	19
166	Dual oxidase/oxygenase reactivity and resonance Raman spectra of {CuO} moiety with perfluoro-t-butoxide ligands. <i>Dalton Transactions</i> , 2019 , 48, 6899-6909	4.3	7
165	New Kids in Lactide Polymerization: Highly Active and Robust Iron Guanidine Complexes as Superior Catalysts. <i>ChemSusChem</i> , 2019 , 12, 2161-2165	8.3	33
164	Stepwise Growth of Ruthenium Terpyridine Complexes on Au Surfaces. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6537-6548	3.8	8

163	Tyrosinase Models: Synthesis, Spectroscopy, Theory and Catalysis 2019 ,		6
162	Towards New Robust Zn(II) Complexes for the Ring-Opening Polymerization of Lactide Under Industrially Relevant Conditions. <i>ChemistryOpen</i> , 2019 , 8, 1020-1026	2.3	10
161	How coherent structures dominate the residence time in a bubble wake: An experimental example. <i>Chemical Engineering Science</i> , 2019 , 207, 317-326	4.4	12
160	Using a bio-inspired copper complex to investigate reactive mass transfer around an oxygen bubble rising freely in a thin-gap cell. <i>Chemical Engineering Science</i> , 2019 , 207, 1256-1269	4.4	10
159	One-Pot Two-Step Chemoenzymatic Cascade for the Synthesis of a Bis-benzofuran Derivative. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 6341-6346	3.2	12
158	Heterolepic -Ketoiminate Zinc Phenoxide Complexes as Efficient Catalysts for the Ring Opening Polymerization of Lactide. <i>ChemistryOpen</i> , 2019 , 8, 951-960	2.3	11
157	The MASi repository service [Comprehensive, metadata-driven and multi-community research data management. <i>Future Generation Computer Systems</i> , 2019 , 94, 879-894	7.5	8
156	Renaissance of the entatic state principle. <i>Coordination Chemistry Reviews</i> , 2018 , 365, 103-121	23.2	25
155	Reaction Systems for Bubbly Flows. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2101-2124	2.3	16
154	Reactivity of a N-5n Coordinated Distannyne: Reduction and Hydrogen Abstraction. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2038-2044	2.3	7
153	Rational Syntheses and Serendipity: Complexes [LSnPtCl(SMe)], [{LSnPtCl(SMe)} SnCl], [(LSn)(PtCl)(PtClSnCl){LSn(Cl)OH}], and [O(SnCl)(SnL)] with L=MeN(CH ₂ CM ₂ O). <i>Chemistry - A European Journal</i> , 2018 , 24, 5551-5561	4.8	4
152	Transferring the entatic-state principle to copper photochemistry. <i>Nature Chemistry</i> , 2018 , 10, 355-362	17.6	43
151	Next Generation of Guanidine Quinoline Copper Complexes for Highly Controlled ATRP: Influence of Backbone Substitution on Redox Chemistry and Solubility. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3164-3175	2.3	10
150	Gathering requirements for advancing simulations in HPC infrastructures via science gateways. <i>Future Generation Computer Systems</i> , 2018 , 82, 544-554	7.5	4
149	A cryostat for low temperature resonance Raman measurements on operando oxygenated bioinorganic model complexes. <i>Inorganica Chimica Acta</i> , 2018 , 481, 176-180	2.7	5
148	Synthesis, Structures, and Catalytic Activity of Homo- and Heteroleptic Ketoiminate Zinc Complexes in Lactide Polymerization. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4014-4021	2.3	12
147	Designed To React: Terminal Copper Nitrenes and Their Application in Catalytic C-H Aminations. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9154-9159	16.4	21
146	A Study on FeII, ZnII and CuII Complexes with Novel Tridentate Bis(pyrazolyl)methane Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1576-1592	1.3	2

145	The Curious Case of a Phenylated Guanidinoquinoline Ligand: Synthesis, Complexes and ATRP Properties of DMEG6phqu. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1317-1328	1.3	3
144	Fluorescent Bis(guanidine) Copper Complexes as Precursors for Hydroxylation Catalysis. <i>Inorganics</i> , 2018 , 6, 114	2.9	7
143	Influence of Functionalized Substituents on the Electron-Transfer Abilities of Copper Guanidinoquinoline Complexes. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4997-5006	2.3	7
142	Maßgeschneiderte terminale Kupfernitrene für katalytische C-H-Aminierungen. <i>Angewandte Chemie</i> , 2018 , 130, 9294-9299	3.6	6
141	Imaging of copper oxygenation reactions in a bubble flow. <i>Magnetic Resonance in Chemistry</i> , 2018 , 56, 826-830	2.1	6
140	Metadata Management in the MoSGrid Science Gateway - Evaluation and the Expansion of Quantum Chemistry Support. <i>Journal of Grid Computing</i> , 2017 , 15, 41-53	4.2	4
139	On the Way to a Trisanionic {Cu O } Core for Oxidase Catalysis: Evidence of an Asymmetric Trinuclear Precursor Stabilized by Perfluoropinacolate Ligands. <i>Chemistry - A European Journal</i> , 2017 , 23, 8212-8224	4.8	11
138	Atmospheric pressure photo-ionization mass spectrometry for the detection of labile end groups in poly(styrene). <i>European Polymer Journal</i> , 2017 , 90, 209-219	5.2	1
137	Copper(I) Complexes with Thiourea Derivatives as Ligands: Revealing Secrets of Their Bonding Scheme. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1266-1279	2.3	14
136	[Cu (NGuaS)] and its oxidized and reduced derivatives: Confining electrons on a torus. <i>Journal of Computational Chemistry</i> , 2017 , 38, 1752-1761	3.5	1
135	Record Broken: A Copper Peroxide Complex with Enhanced Stability and Faster Hydroxylation Catalysis. <i>Chemistry - A European Journal</i> , 2017 , 23, 12171-12183	4.8	21
134	Oxygen Activation by Copper Complexes with an Aromatic Bis(guanidine) Ligand. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3350-3359	2.3	16
133	Iron(II) and Zinc(II) Complexes with Tetradentate Bis(pyrazolyl)methane Ligands as Catalysts for the Ring-Opening Polymerisation of rac-Lactide. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1341-1354	2.3	27
132	Direct Electrochemical Synthesis of an Unusual Complex Salt: Almost Structural Identity Different Charge. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 266-275	1.3	3
131	Copper Guanidinoquinoline Complexes as Entatic State Models of Electron-Transfer Proteins. <i>Chemistry - A European Journal</i> , 2017 , 23, 15738-15745	4.8	16
130	Relativistic effects at the CuO core - a density functional theory study. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26880-26889	3.6	5
129	Test System for the Investigation of Reactive Taylor Bubbles. <i>Chemical Engineering and Technology</i> , 2017 , 40, 1494-1501	2	19
128	Detection of Copper Bisguanidine NO Adducts by UV-vis Spectroscopy and a SuperFocus Mixer. <i>Chemical Engineering and Technology</i> , 2017 , 40, 1475-1483	2	2

127	Highly Active N,O Zinc Guanidine Catalysts for the Ring-Opening Polymerization of Lactide. <i>ChemSusChem</i> , 2017 , 10, 3547-3556	8.3	46
126	Theoretical Studies on Tyrosinase Models 2017 , 1-15		1
125	ZnII Chlorido Complexes with Aliphatic, Chiral Bisguanidine Ligands as Catalysts in the Ring-Opening Polymerisation of rac-Lactide Using FT-IR Spectroscopy in Bulk. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5557-5570	2.3	17
124	Reactivity of Zinc Halide Complexes Containing Camphor-Derived Guanidine Ligands with Technical rac-Lactide. <i>Inorganics</i> , 2017 , 5, 85	2.9	10
123	Implications of Guanidine Substitution on Copper Complexes as Entatic-State Models. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4731-4743	2.3	33
122	Hand in Hand: Experimental and Theoretical Investigations into the Reactions of Copper(I) Mono- and Bis(guanidine) Complexes with Dioxygen. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4744-4751	2.3	24
121	Implications of Guanidine Substitution on Copper Complexes as Entatic-State Models. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4722-4722	2.3	1
120	Using Science Gateways for Bridging the Differences between Research Infrastructures. <i>Journal of Grid Computing</i> , 2016 , 14, 545-557	4.2	10
119	Zinc Chloride Complexes with Aliphatic and Aromatic Guanidine Hybrid Ligands and Their Activity in the Ring-Opening Polymerisation of d,l-Lactide. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4974-4987	2.3	26
118	Copper(I) Thiolate Heteroadamantane Cage Structures with Relevance to Metalloproteins. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3744-3755	2.3	5
117	Experimental and Theoretical High-Energy-Resolution X-ray Absorption Spectroscopy: Implications for the Investigation of the Entatic State. <i>Inorganic Chemistry</i> , 2016 , 55, 11694-11706	5.1	22
116	Jet delivery system for Raman scattering on bio-inorganic compounds. <i>Applied Physics Letters</i> , 2016 , 109, 213502	3.4	2
115	Donor-driven conformational flexibility in a real-life catalytic dicopper(ii) peroxo complex. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 6430-40	3.6	18
114	Addressing Hydrogen Bonding Motifs by Suited Substitution of Thioureas. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 660-669	1.3	4
113	Katalysatoren für die Produktion von Biokunststoffen. <i>Chemie in Unserer Zeit</i> , 2016 , 50, 316-325	0.2	4
112	Multi-level meta-workflows: new concept for regularly occurring tasks in quantum chemistry. <i>Journal of Cheminformatics</i> , 2016 , 8, 58	8.6	3
111	Homolytic, Heterolytic, Mesolytic - As You Like It: Steering the Cleavage of a HC(sp ³)-C(sp ³)H Bond in Bis(1H-2,1-benzazaborole) Derivatives. <i>Chemistry - A European Journal</i> , 2016 , 22, 15340-15349	4.8	6
110	Decay kinetics of sensitive bioinorganic species in a SuperFocus mixer at ambient conditions. <i>Reaction Chemistry and Engineering</i> , 2016 , 1, 485-493	4.9	20

109	Optical response of the Cu ₂ S ₂ diamond core in Cu ₂ (NGuaS) ₂ Cl ₂ . <i>Journal of Computational Chemistry</i> , 2016 , 37, 2181-92	3.5	10
108	A Comprehensive Study of Copper Guanidine Quinoline Complexes: Predicting the Activity of Catalysts in ATRP with DFT. <i>Chemistry - A European Journal</i> , 2016 , 22, 13550-62	4.8	24
107	Low temperature syntheses and reactivity of Cu ₂ O ₂ active-site models. <i>Accounts of Chemical Research</i> , 2015 , 48, 2424-33	24.3	94
106	Guanidine Metal Complexes for Bioinorganic Chemistry and Polymerisation Catalysis. <i>Topics in Heterocyclic Chemistry</i> , 2015 , 95-164	0.2	6
105	Biomimetic Hydroxylation Catalysis Through Self-Assembly of a Bis(pyrazolyl)methane Copper Peroxo Complex. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 494-502	2.3	25
104	Antimony(III) and bismuth(III) amides containing pendant N-donor groups--a combined experimental and theoretical study. <i>Dalton Transactions</i> , 2015 , 44, 395-400	4.3	10
103	Efficient Biomimetic Hydroxylation Catalysis with a Bis(pyrazolyl)imidazolylmethane Copper Peroxide Complex. <i>Chemistry - A European Journal</i> , 2015 , 21, 17639-49	4.8	35
102	Quantum chemical meta-workflows in MoSGrid. <i>Concurrency Computation Practice and Experience</i> , 2015 , 27, 344-357	1.4	16
101	Less is more: three-coordinate c,n-chelated distannynes and digermynes. <i>Chemistry - A European Journal</i> , 2015 , 21, 7820-9	4.8	27
100	Bis(pyrazolyl)methane Copper Complexes as Robust and Efficient Catalysts for Sonogashira Couplings. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 7475-7483	3.2	14
99	Formation of hybrid guanidine-stabilized bis(μ ₂)dicopper cores in solution: Electronic and steric perturbations. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 5426-5436	2.3	29
98	The Cu ₂ O ₂ torture track for a real-life system: [Cu ₂ (btmgp) ₂ O ₂] ²⁺ oxo and peroxo species in density functional calculations. <i>Journal of Computational Chemistry</i> , 2015 , 36, 1672-85	3.5	27
97	Zinc Complexes with Guanidine-Pyridine Hybrid Ligands: Anion Effect and Catalytic Activity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 2147-2156	1.3	9
96	Transition Metal Complexes Containing C ₂ -Symmetric Bis(imidazolin-2-imine) Ligands Derived from a 1-Alkyl-3-arylimidazolin-2-ylidene. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 2204-2214	1.3	8
95	Managing Complexity in Distributed Data Life Cycles Enhancing Scientific Discovery 2015 ,		8
94	Geometrical and optical benchmarking of copper guanidine-quinoline complexes: insights from TD-DFT and many-body perturbation theory. <i>Journal of Computational Chemistry</i> , 2014 , 35, 1-17	3.5	52
93	Insights into Different Donor Abilities in Bis(pyrazolyl)pyridinylmethane Transition Metal Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 2296-2306	2.3	14
92	Insights into the influence of dispersion correction in the theoretical treatment of guanidine-quinoline copper(I) complexes. <i>Journal of Computational Chemistry</i> , 2014 , 35, 1943-50	3.5	43

91	Expansion of Quantum Chemical Metadata for Workflows in the MoSGrid Science Gateway 2014 ,		1
90	Syntheses and Molecular Structures of $[R\text{Sn}\{W(\text{CO})_3\text{Cp}\}_2][W(\text{CO})_3\text{Cp}]$, $[R\text{Sn}\{W(\text{CO})_3\text{Cp}\}\text{Cl}_2]$, and $[R\text{Sn}\{W(\text{CO})_3\text{Cp}\}\text{Cr}(\text{CO})_5]$ ($R = [4\text{-t-Bu-2,6-}\{P(\text{O})(\text{OR}')_2\}_2\text{C}_6\text{H}_2]$, $R' = \text{Et, i-Pr}$). Autoionization Induced by Intramolecular P \rightarrow O- $\delta\pi$ Coordination. <i>Organometallics</i> , 2014 , 33, 4433-4441	3.8	11
89	Hiking on the potential energy surface of a functional tyrosinase model--implications of singlet, broken-symmetry and triplet description. <i>Chemical Communications</i> , 2014 , 50, 403-5	5.8	24
88	The MoSGrid Science Gateway - A Complete Solution for Molecular Simulations. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 2232-45	6.4	46
87	Den entatischen Zustand im Griff Ein Duo von Kupfer-Komplexen. <i>Angewandte Chemie</i> , 2014 , 126, 305-310	3.10	37
86	Catching an entatic state--a pair of copper complexes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 299-304	16.4	53
85	Molecular Simulation Grid (MosGrid): A Science Gateway Tailored to the Molecular Simulation Community 2014 , 151-165		3
84	New Guanidine-Pyridine Copper Complexes and Their Application in ATRP. <i>Polymers</i> , 2014 , 6, 995-1007	4.5	29
83	Performance studies on distributed virtual screening. <i>BioMed Research International</i> , 2014 , 2014, 624024	5	6
82	Standards-based metadata management for molecular simulations. <i>Concurrency Computation Practice and Experience</i> , 2014 , 26, 1744-1759	1.4	15
81	Meta-Metaworkflows for Combining Quantum Chemistry and Molecular Dynamics in the MoSGrid Science Gateway 2014 ,		3
80	Geometrical and optical benchmarking of copper(II) guanidine-quinoline complexes: insights from TD-DFT and many-body perturbation theory (part II). <i>Journal of Computational Chemistry</i> , 2014 , 35, 2146-2151	3.5	26
79	Neue aromatische Bisguanidin-Kupfer-Komplexe und ihre Anwendung in der ATRP / New Aromatic Bisguanidine Copper Complexes and Their Application in ATRP. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014 , 69, 589-595	1	15
78	N-Donor Competition in Iron Bis(chelate) Bis(pyrazolyl)pyridinylmethane Complexes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014 , 69, 1206-1214	1	7
77	A conformationally flexible dinuclear Pt(II) complex with differential behavior of its two states toward quadruplex DNA. <i>Chemistry - A European Journal</i> , 2013 , 19, 11429-38	4.8	13
76	Simple is best: Diamine zinc complexes as unexpected catalysts in lactide polymerisation. <i>Polyhedron</i> , 2013 , 49, 151-157	2.7	18
75	Oxalic Amidines [Protonation Studies and Activity in Lactide Polymerisation. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 99-108	2.3	2
74	Insights into the intramolecular donor stabilisation of organostannyllene palladium and platinum complexes: syntheses, structures and DFT calculations. <i>Chemistry - A European Journal</i> , 2013 , 19, 6695-708	4.8	19

73	Catalytic phenol hydroxylation with dioxygen: extension of the tyrosinase mechanism beyond the protein matrix. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5398-401	16.4	108
72	Synergistic empirical and theoretical study on the stereoselective mechanism for the aluminum salalen complex mediated polymerization of rac-lactide. <i>Chemistry - A European Journal</i> , 2013 , 19, 4712-6	4.8	39
71	Bis- σ - and π -peroxy dicopper complexes studied within (time-dependent) density-functional and many-body perturbation theory. <i>Journal of Computational Chemistry</i> , 2013 , 34, 1035-45	3.5	26
70	User-friendly metaworkflows in quantum chemistry 2013 ,		3
69	Extending the Family of N-Heterocyclic Heavy Carbene Analogues: Synthesis and Crystal and Molecular Structures of $\text{MeN}[\text{CH}_2\text{C}(\text{O})\text{N}(\text{R})]_2\text{Sn}$ ($\text{R} = \text{Me}_2\text{NCH}_2\text{CH}_2, \text{PhCH}_2, \text{Me}_3\text{CCH}_2$). <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5836-5842	2.3	13
68	Katalytische Phenolhydroxylierung mit Sauerstoff: Substratvielfalt jenseits der Proteinmatrix von Tyrosinase. <i>Angewandte Chemie</i> , 2013 , 125, 5508-5512	3.6	38
67	Novel Tin(IV) Complexes with the Hybrid Guanidine Ligand DMEGqu. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 653-665	1	2
66	Dissection of Different Donor Abilities Within Bis(pyrazolyl)pyridinylmethane Transition Metal Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1426-1432	1.3	9
65	Rücktitelbild: Katalytische Phenolhydroxylierung mit Sauerstoff: Substratvielfalt jenseits der Proteinmatrix von Tyrosinase (Angew. Chem. 20/2013). <i>Angewandte Chemie</i> , 2013 , 125, 5518-5518	3.6	1
64	Chemiker im Grid. <i>Nachrichten Aus Der Chemie</i> , 2013 , 61, 136-138	0.1	
63	Lactide Polymerisation with Complexes of Neutral N-Donors [New Strategies for Robust Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 765-774	2.3	98
62	A Single Sign-On Infrastructure for Science Gateways on a Use Case for Structural Bioinformatics. <i>Journal of Grid Computing</i> , 2012 , 10, 769-790	4.2	32
61	$[\text{Me}_2(\text{i-PrO})\text{SiCH}_2]_2\text{SnBr}_2$: Evidence for Intramolecular Si-D Bond Activation. <i>Organometallics</i> , 2012 , 31, 4716-4721	3.8	2
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1 Towards a metadata-driven multi-community research data management service

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