

Sonja Herres-Pawlis

List of Publications by Year in descending order

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papers

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times ranked

2784
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenolate Hydroxylation in a Bis(1/4-oxo)dicopper(III) Complex: Lessons from the Guanidine/Amine Series. <i>Journal of the American Chemical Society</i> , 2009, 131, 1154-1169.	13.7	161
2	Lactide Polymerisation with Air-Stable and Highly Active Zinc Complexes with Guanidine-Pyridine Hybrid Ligands. <i>Chemistry - A European Journal</i> , 2009, 15, 2362-2376.	3.3	148
3	Catalytic Phenol Hydroxylation with Dioxygen: Extension of the Tyrosinase Mechanism beyond the Protein Matrix. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5398-5401.	13.8	122
4	Lactide Polymerisation with Complexes of Neutral N-Donors - New Strategies for Robust Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 765-774.	2.0	108
5	Low Temperature Syntheses and Reactivity of Cu ₂ O ₂ Active-Site Models. <i>Accounts of Chemical Research</i> , 2015, 48, 2424-2433.	15.6	105
6	Tuning of Copper(I)-Dioxygen Reactivity by Bis(guanidine) Ligands. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3815-3824.	2.0	93
7	A Library of Peralkylated Bis-guanidine Ligands for Use in Biomimetic Coordination Chemistry. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4879-4890.	2.4	86
8	Mechanism of the Living Lactide Polymerization Mediated by Robust Zinc Guanidine Complexes. <i>Chemistry - A European Journal</i> , 2011, 17, 4507-4512.	3.3	84
9	Hydroxylation of a methyl group: synthesis of [Cu ₂ (btmmO) ₂] ⁺ and of [Cu ₂ (btmmO) ₂] ²⁺ containing the novel ligand {bis(trimethylmethoxy)guanidino}propane (btmmO) by copper-assisted oxygen activation. <i>Inorganica Chimica Acta</i> , 2005, 358, 1089-1095.	2.4	75
10	[Bis(guanidine)]zinc Complexes and Their Application in Lactide Polymerisation. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5645-5651.	2.0	73
11	(Guanidine)copper complexes: structural variety and application in bioinorganic chemistry and catalysis. <i>Reviews in Inorganic Chemistry</i> , 2011, 31, 83-108.	4.1	67
12	Catching an Entatic State - A Pair of Copper Complexes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 299-304.	13.8	65
13	Next Generation of Zinc Bisguanidine Polymerization Catalysts towards Highly Crystalline, Biodegradable Polyesters. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21778-21784.	13.8	63
14	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.	3.3	62
15	Highly Active N,O Zinc Guanidine Catalysts for the Ring-Opening Polymerization of Lactide. <i>ChemSusChem</i> , 2017, 10, 3547-3556.	6.8	60
16	Transferring the entatic-state principle to copper photochemistry. <i>Nature Chemistry</i> , 2018, 10, 355-362.	13.6	59
17	The MoSGrid Science Gateway - A Complete Solution for Molecular Simulations. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2232-2245.	5.3	58
18	New insights into the lactide polymerisation with neutral N-donor stabilised zinc complexes: Comparison of imidazolin-2-imine vs. guanidine complexes. <i>Journal of Molecular Catalysis A</i> , 2010, 316, 139-145.	4.8	56

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19	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, 1943-1950.	3.3	55
20	New Kids in Lactide Polymerization: Highly Active and Robust Iron Guanidine Complexes as Superior Catalysts. <i>ChemSusChem</i> , 2019, 12, 2161-2165.	6.8	53
21	Synthesis and properties of guanidine-pyridine hybridligands and structural characterisation of their mono- and bis(chelated) cobalt complexes. <i>Inorganica Chimica Acta</i> , 2009, 362, 1185-1193.	2.4	50
22	Stabilisation of a Highly Reactive Bis(η^4 -oxo)dicopper(III) Species at Room Temperature by Electronic and Steric Constraint of an Unconventional Nitrogen Donor Ligand. <i>Chemistry - A European Journal</i> , 2009, 15, 8678-8682.	3.3	46
23	Renaissance of the entatic state principle. <i>Coordination Chemistry Reviews</i> , 2018, 365, 103-121.	18.8	45
24	Synergistic Empirical and Theoretical Study on the Stereoselective Mechanism for the Aluminum Salalen Complex Mediated Polymerization of <i>rac</i> -Lactide. <i>Chemistry - A European Journal</i> , 2013, 19, 4712-4716.	3.3	44
25	Efficient Biomimetic Hydroxylation Catalysis with a Bis(pyrazolyl)imidazolymethane Copper Peroxide Complex. <i>Chemistry - A European Journal</i> , 2015, 21, 17639-17649.	3.3	41
26	Bidentate guanidine ligands with ethylene spacer in copper-dioxygen chemistry: Structural characterization of bis(η^4 -hydroxo) dicopper complexes. <i>Inorganica Chimica Acta</i> , 2011, 374, 546-557.	2.4	39
27	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.	3.9	39
28	Intramolecularly Coordinated Organotin Tellurides: Stable or Unstable?. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3478-3482.	13.8	39
29	Zinc Complexes with Guanidine-Pyridine Hybrid Ligands – Guanidine Effect and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4441-4456.	2.0	38
30	Robust Guanidine Metal Catalysts for the Ring-Opening Polymerization of Lactide under Industrially Relevant Conditions. <i>ChemPlusChem</i> , 2020, 85, 1044-1052.	2.8	38
31	Less Is More: Three-Coordinate C,N-Chelated Distannynes and Digermynes. <i>Chemistry - A European Journal</i> , 2015, 21, 7820-7829.	3.3	36
32	Implications of Guanidine Substitution on Copper Complexes as Entatic-State Models. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4731-4743.	2.0	36
33	Designed To React: Terminal Copper Nitrenes and Their Application in Catalytic C-H Aminations. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9154-9159.	13.8	35
34	Systematische Studie zu den Koordinationseigenschaften des Guanidin-Liganden N1,N2-Bis(1,3-dimethylimidazolidin-2-yliden)-ethan-1,2-diamin mit den Metallen Mn, Co, Ni, Ag und Cu. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2511-2517.	1.2	34
35	Intramolecularly Coordinated [(2,6-(Me) ₂ NCH ₂) ₂ C ₆ H ₃] ₂ Sn ^{II} a Strong η^4 Donor for Pt ^{II} . <i>Chemistry - A European Journal</i> , 2011, 17, 7423-7427.	3.3	34
36	Iron(II) and Zinc(II) Complexes with Tetradentate Bis(pyrazolyl)methane Ligands as Catalysts for the Ring-Opening Polymerisation of <i>rac</i> -Lactide. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1341-1354.	2.0	34

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37	Undiscovered Potential: Ge Catalysts for Lactide Polymerization. Chemistry - A European Journal, 2020, 26, 212-221.	3.3	34
38	The Cu ₂ O ₂ torture track for a real-life system: [Cu ₂ (btm ₂ g ₂ PO ₂) ₂]+oxo and peroxo species in density functional calculations. Journal of Computational Chemistry, 2015, 36, 1672-1685.	3.3	33
39	Mononuclear zinc(II) Schiff base complexes as catalysts for the ring-opening polymerization of lactide. European Polymer Journal, 2020, 122, 109302.	5.4	33
40	Synthesis and Application of New Guanidine Copper Complexes in Atom Transfer Radical Polymerisation. European Journal of Inorganic Chemistry, 2011, 2011, 2367-2379.	2.0	32
41	New Guanidine-Pyridine Copper Complexes and Their Application in ATRP. Polymers, 2014, 6, 995-1007.	4.5	32
42	Record Broken: A Copper Peroxide Complex with Enhanced Stability and Faster Hydroxylation Catalysis. Chemistry - A European Journal, 2017, 23, 12171-12183.	3.3	32
43	Geometrical and optical benchmarking of copper(II) guanidine-quinoline complexes: Insights from TD-DFT and many-body perturbation theory (part II). Journal of Computational Chemistry, 2014, 35, 2146-2161.	3.3	31
44	Tuning a robust system: N,O zinc guanidine catalysts for the ROP of lactide. Dalton Transactions, 2019, 48, 6071-6082.	3.3	31
45	Tin(II) and Tin(IV) Compounds with Scorpion-Shaped Ligands - Intramolecular N→Sn vs. Intermolecular O→Sn Coordination. European Journal of Inorganic Chemistry, 2012, 2012, 3191-3199.	2.0	30
46	Formation of Hybrid Guanidine-Stabilized Bis(μ ₂ -oxo)dicopper Cores in Solution: Electronic and Steric Perturbations. European Journal of Inorganic Chemistry, 2015, 2015, 5426-5436.	2.0	30
47	Bis(μ ₂ -oxo) and μ ₂ -peroxo dicopper complexes studied within (time-dependent) density-functional and many-body perturbation theory. Journal of Computational Chemistry, 2013, 34, 1035-1045.	3.3	29
48	Zinc Chloride Complexes with Aliphatic and Aromatic Guanidine Hybrid Ligands and Their Activity in the Ring-Opening Polymerisation of Lactide. European Journal of Inorganic Chemistry, 2016, 2016, 4974-4987.	2.0	29
49	A Comprehensive Study of Copper Guanidine Quinoline Complexes: Predicting the Activity of Catalysts in ATRP with DFT. Chemistry - A European Journal, 2016, 22, 13550-13562.	3.3	28
50	Hiking on the potential energy surface of a functional tyrosinase model - implications of singlet, broken-symmetry and triplet description. Chemical Communications, 2014, 50, 403-405.	4.1	27
51	Biomimetic Hydroxylation Catalysis Through Self-Assembly of a Bis(pyrazolyl)methane Copper-Peroxo Complex. European Journal of Inorganic Chemistry, 2015, 2015, 494-502.	2.0	27
52	Hand in Hand: Experimental and Theoretical Investigations into the Reactions of Copper(I) Mono- and Bis(guanidine) Complexes with Dioxygen. European Journal of Inorganic Chemistry, 2016, 2016, 4744-4751.	2.0	27
53	Standards-based metadata management for molecular simulations. Concurrency Computation Practice and Experience, 2014, 26, 1744-1759.	2.2	26
54	Heteroleptic Organostannylenes and an Organoplumbylene Bearing Phosphorus-Containing Pincer-Type Ligands - Structural Variations and Insights into the Configurational Stability. Zeitschrift Fur Organische Und Allgemeine Chemie, 2011, 637, 211-223.	1.2	25

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55	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.	4.0	25
56	NFDI4Chem - Towards a National Research Data Infrastructure for Chemistry in Germany. <i>Research Ideas and Outcomes</i> , 0, 6, .	1.0	25
57	Syntheses and X-ray Structure Analyses of the First Bis(chelated) Copper and Iron Bisguanidine Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 295-298.	1.2	24
58	Systematische Studie zu den Koordinationseigenschaften des Guanidin-Liganden Bis(tetramethylguanidino)propan mit den Metallen Mangan, Cobalt, Nickel, Zink, Cadmium, Quecksilber und Silber. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2641-2649.	1.2	24
59	Novel Synthetic Strategy towards the Efficient Synthesis of Substituted Bis(pyrazolyl)(2-pyridyl)methane Ligands. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4136-4144.	2.4	23
60	Decay kinetics of sensitive bioinorganic species in a SuperFocus mixer at ambient conditions. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 485-493.	3.7	23
61	Neue Bisguanidin-Kupfer-Komplexe und ihre Anwendung in der ATRP/ New Bisguanidine-Copper Complexes and their Application in ATRP. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 798-806.	0.7	22
62	Synthesis and Characterisation of Novel (Guanidine)manganese Complexes and Their Application in the Epoxidation of 1-Octene. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 121-130.	2.0	22
63	Insights into the Intramolecular Donor Stabilisation of Organostannylene Palladium and Platinum Complexes: Syntheses, Structures and DFT Calculations. <i>Chemistry - A European Journal</i> , 2013, 19, 6695-6708.	3.3	22
64	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.	2.0	22
65	Synthese und Strukturen der ersten mehrkernigen Mangan-Guanidin-Komplexe und der ersten Mangan-Komplexe mit mono-protonierten Bis-Guanidinliganden. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 771-777.	1.2	21
66	Oxygen sensing by fluorescence quenching of [Cu(btmgp)] ⁺ . <i>Journal of Luminescence</i> , 2010, 130, 1958-1962.	3.1	21
67	Unexpected activity of novel 9-oxabispidine zinc complexes in lactide polymerization. <i>Inorganic Chemistry Communication</i> , 2010, 13, 369-371.	3.9	21
68	Structural Aspects of Copper-Mediated Atom Transfer Radical Polymerization with a Novel Tetradentate Bisguanidine Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1683-1690.	1.2	21
69	Donor-driven conformational flexibility in a real-life catalytic dicopper(II) peroxo complex. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6430-6440.	2.8	21
70	Copper Guanidinoquinoline Complexes as Entatic State Models of Electron Transfer Proteins. <i>Chemistry - A European Journal</i> , 2017, 23, 15738-15745.	3.3	21
71	Chemogenetic Evolution of a Peroxidase-like Artificial Metalloenzyme. <i>ACS Catalysis</i> , 2021, 11, 5079-5087.	11.2	21
72	New Challenge for Classics: Neutral Zinc Complexes Stabilised by 2,2'-Bipyridine and 1,10-Phenanthroline and Their Application in the Ring-Opening Polymerisation of Lactide. <i>Sustainability</i> , 2009, 1, 1226-1239.	3.2	20

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73	[{2,6-(Me ₂ NCH ₂) ₂ C ₆ H ₃ }Sn(μ ₄ -OH)W(CO) ₅] ₂ : A Transition-Metal-Coordinated Organotin(II) Hydroxide. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 344-348.	2.0	20
74	Test System for the Investigation of Reactive Taylor Bubbles. <i>Chemical Engineering and Technology</i> , 2017, 40, 1494-1501.	1.5	20
75	Heteroleptic μ ² -Ketoiminate Zinc Phenoxide Complexes as Efficient Catalysts for the Ring Opening Polymerization of Lactide. <i>ChemistryOpen</i> , 2019, 8, 951-960.	1.9	20
76	Exceptional Substrate Diversity in Oxygenation Reactions Catalyzed by a Bis(μ ₄ -oxo) Copper Complex. <i>Chemistry - A European Journal</i> , 2020, 26, 7556-7562.	3.3	20
77	Simple is best: Diamine zinc complexes as unexpected catalysts in lactide polymerisation. <i>Polyhedron</i> , 2013, 49, 151-157.	2.2	19
78	Quantum chemical meta-workflows in MoSGrid. <i>Concurrency Computation Practice and Experience</i> , 2015, 27, 344-357.	2.2	19
79	Oxygen Activation by Copper Complexes with an Aromatic Bis(guanidine) Ligand. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3350-3359.	2.0	19
80	NFDI4Chem: Shaping a Digital and Cultural Change in Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10766-10768.	13.8	19
81	From Pseudo-octahedral to Pseudo-trigonal Bipyramidal Configuration: Syntheses and Molecular Structures of 4-tert-Bu-2,6-[(EtO) ₂ P(O)] ₂ C ₆ H ₂ BiCl ₂ and [1-Bi,3-P]-Bi(Cl)OP(O)(OEt)-5-tert-Bu-7-P(O)(OEt) ₂ C ₆ H ₂ . <i>Organometallics</i> , 2011, 30, 5181-5187.	2.3	18
82	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.	2.0	18
83	Active in Sleep: Iron Guanidine Catalyst Performs ROP on Dormant Side of ATRP. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21795-21800.	13.8	18
84	Reaction Systems for Bubbly Flows. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2101-2124.	2.0	17
85	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.	2.0	17
86	Towards New Robust Zn(II) Complexes for the Ring-Opening Polymerization of Lactide Under Industrially Relevant Conditions. <i>ChemistryOpen</i> , 2019, 8, 1020-1026.	1.9	17
87	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.	2.4	17
88	Mit der nächsten Generation von Zink-Bisguanidin-Polymerisationskatalysatoren zu hochkristallinen, biologisch abbaubaren Polyestern. <i>Angewandte Chemie</i> , 2020, 132, 21962-21968.	2.0	17
89	Bis(pyrazolyl)methane Copper Complexes as Robust and Efficient Catalysts for Sonogashira Couplings. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7475-7483.	2.4	16
90	How coherent structures dominate the residence time in a bubble wake: An experimental example. <i>Chemical Engineering Science</i> , 2019, 207, 317-326.	3.8	16

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91	The Green toxicology approach: Insight towards the eco-toxicologically safe development of benign catalysts. <i>Journal of Hazardous Materials</i> , 2021, 416, 125889.	12.4	16
92	Stabilization of an Intramolecularly Coordinated Stannylidenium Cation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1672-1675.	1.2	15
93	Extending the Family of N-Heterocyclic Heavy Carbene Analogues: Synthesis and Crystal and Molecular Structures of MeN[CH ₂ C(O)N(R)] ₂ Sn (R = Me ₂ NCH ₂ CH ₂ , PhCH ₂ , Me ₃ CCH ₂). <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5836-5842.	2.0	15
94	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.	0.7	15
95	Insights into Different Donor Abilities in Bis(pyrazolyl)pyridinylmethane Transition Metal Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2296-2306.	2.0	15
96	Synthese und Charakterisierung von Cobalt(II)- und Kupfer(I)-Komplexen mit Guanidin-Pyridin-Hybridliganden. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 64-69.	1.2	14
97	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.	2.0	14
98	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, 11429-11438.	3.3	13
99	Guanidine Metal Complexes for Bioinorganic Chemistry and Polymerisation Catalysis. <i>Topics in Heterocyclic Chemistry</i> , 2015, , 95-164.	0.2	13
100	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.	3.8	13
101	Simple Zn(II) complexes for the production and degradation of polyesters. <i>RSC Advances</i> , 2022, 12, 1416-1424.	3.6	13
102	Tracking the Structure-Reactivity Relationship of Zinc Guanidine-Pyridine Hybrid Complexes Initiating Lactide Polymerisation. <i>Macromolecular Symposia</i> , 2010, 296, 354-365.	0.7	12
103	Using Science Gateways for Bridging the Differences between Research Infrastructures. <i>Journal of Grid Computing</i> , 2016, 14, 545-557.	3.9	12
104	On the Way to a Trisanionic {Cu ₃ O ₂ } Core for Oxidase Catalysis: Evidence of an Asymmetric Trinuclear Precursor Stabilized by Perfluoropinacolate Ligands. <i>Chemistry - A European Journal</i> , 2017, 23, 8212-8224.	3.3	12
105	Reactivity of Zinc Halide Complexes Containing Camphor-Derived Guanidine Ligands with Technical rac-Lactide. <i>Inorganics</i> , 2017, 5, 85.	2.7	12
106	Reactivity of a Na ⁺ Sn Coordinated Distannyne: Reduction and Hydrogen Abstraction. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2038-2044.	2.0	12
107	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	12
108	Novel Guanidine-Quinoline Hybrid Ligands and the Application of their Zinc Complexes in Lactide Polymerisation. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2012, 67, 0320.	0.7	12

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109	Reactivity of 2,2-bis(2-N-(1,1,3,3-tetramethylguanidino))diphenyleneamine with CuI and [Cu(MeCN) ₄][PF ₆]: Benzimidazole Formation vs. Cu Oxidation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1209-1214.	1.2	11
110	Dissection of Different Donor Abilities Within Bis(pyrazolyl)pyridinylmethane Transition Metal Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1426-1432.	1.2	11
111	Syntheses and Molecular Structures of [RSn{W(CO) ₃ Cp} ₂][W(CO) ₃ Cp], [RSn{W(CO) ₃ Cp}Cl ₂], and [RSn{W(CO) ₃ Cp}Cr(CO) ₅] (R = [4-t-Bu-2,6-{P(O)(OR) ₂ }] ₂ C ₆ H ₂], R = Et, Tj ETQq1 1 0.784314	2.3	11
112	Research Data in Chemistry – Results of the first NFDI4Chem Community Survey. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1748-1757.	1.2	11
113	Master of Chaos and Order: Opposite Microstructures of PCL- <i>co</i> -PGA- <i>co</i> -PLA Accessible by a Single Catalyst**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	11
114	Guanidine Carboxy Zinc Complexes for the Chemical Recycling of Renewable Polyesters. ChemPlusChem, 2022, 87, e202200029.	2.8	11
115	Synthesis and Characterization of Iron(II) Thiocyanate Complexes with Derivatives of the Tris(pyridine-2-ylmethyl)amine (tmpa) Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2069-2077.	1.2	10
116	Transition Metal Complexes Containing <i>C</i> -Symmetric Bis(imidazolin-2-yl)amine Ligands Derived from a 1-Alkyl-3-arylimidazolin-2-ylidene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2204-2214.	1.2	10
117	Managing Complexity in Distributed Data Life Cycles Enhancing Scientific Discovery. , 2015, , .		10
118	Antimony(III) and bismuth(III) amides containing pendant N-donor groups – a combined experimental and theoretical study. Dalton Transactions, 2015, 44, 395-400.	3.3	10
119	Optical response of the Cu ₂ S ₂ diamond core in (NGuaS) ₂ Cl ₂ . Journal of Computational Chemistry, 2016, 37, 2181-2192.	3.3	10
120	Influence of Functionalized Substituents on the Electron Transfer Abilities of Copper Guanidinoquinoline Complexes. European Journal of Inorganic Chemistry, 2018, 2018, 4997-5006.	2.0	10
121	Enhanced catalytic activity of copper complexes in microgels for aerobic oxidation of benzyl alcohols. Chemical Communications, 2020, 56, 5601-5604.	4.1	10
122	A new generation of terminal copper nitrenes and their application in aromatic C-H amination reactions. Dalton Transactions, 2021, 50, 6444-6462.	3.3	10
123	Zinc Complexes with Guanidine-Pyridine Hybrid Ligands: Anion Effect and Catalytic Activity. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2147-2156.	1.2	9
124	Interplay of Spin Crossover and Coordination-Induced Spin State Switch for Iron Bis(pyrazolyl)methanes in Solution. Inorganic Chemistry, 2020, 59, 15343-15354.	4.0	9
125	Kinetic Investigation of the Reaction of Dioxygen with the Copper(I) Complex [Cu(Pim i Pr ₂)(CH ₃) ₂] Tj ETQq1 1 0.784314 rgBT /Overlo Chemistry, 2020, 2020, 3143-3150.	2.0	9
126	Room temperature stable multitalent: highly reactive and versatile copper guanidine complexes in oxygenation reactions. Journal of Biological Inorganic Chemistry, 2021, 26, 249-263.	2.6	9

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127	Small-Scale Phenomena in Reactive Bubbly Flows: Experiments, Numerical Modeling, and Applications. Annual Review of Chemical and Biomolecular Engineering, 2021, 12, 625-643.	6.8	9
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