

Stephan Hohloch

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86 papers	2,234 citations	31 h-index	43 g-index
93 ext. papers	2,505 ext. citations	5 avg, IF	5.22 L-index

#	Paper	IF	Citations
86	AreneRuthenium(II) and Iridium(III) Complexes with ClickBased Pyridyl-triazoles, Bis-triazoles, and Chelating Abnormal Carbenes: Applications in Catalytic Transfer Hydrogenation of Nitrobenzene. <i>Organometallics</i> , 2013 , 32, 7376-7385	3.8	114
85	The ligand field of the azido ligand: insights into bonding parameters and magnetic anisotropy in a Co(II)-azido complex. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1993-2005	16.4	108
84	Copper(I) Complexes of Normal and Abnormal Carbenes and Their Use as Catalysts for the Huisgen [3+2] Cycloaddition between Azides and Alkynes. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 3067-3075	2.3	104
83	Heterobimetallic complexes with redox-active mesoionic carbenes as metalloligands: electrochemical properties, electronic structures and catalysis. <i>Chemical Communications</i> , 2015 , 51, 10949-52	5.8	76
82	Activating Azides and Alkynes for the Click Reaction with [Cu(aNHC)2I] or [Cu(aNHC)2]+ (aNHC = Triazole-Derived Abnormal Carbenes): Structural Characterization and Catalytic Properties. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3956-3965	2.3	71
81	Are Cu(I)-mesoionic NHC carbenes associated with nitrogen additives the best Cu-carbene catalysts for the azidealkyne click reaction in solution? A case study. <i>Tetrahedron Letters</i> , 2013 , 54, 1808-1812	2	68
80	Catalytic oxygenation of sp ³ "C-H" bonds with Ir(III) complexes of chelating triazoles and mesoionic carbenes. <i>Dalton Transactions</i> , 2015 , 44, 686-93	4.3	62
79	Exploring the Scope of Pyridyl- and Picolyl-Functionalized 1,2,3-Triazol-5-ylidenes in Bidentate Coordination to Ruthenium(II) Cymene Chloride Complexes. <i>Organometallics</i> , 2014 , 33, 2588-2598	3.8	60
78	Cyclometalated mono- and dinuclear Ir(III) complexes with "click"-derived triazoles and mesoionic carbenes. <i>Chemistry - A European Journal</i> , 2014 , 20, 9952-61	4.8	60
77	Ru(II), Os(II), and Ir(III) complexes with chelating pyridyl-mesoionic carbene ligands: structural characterization and applications in transfer hydrogenation catalysis. <i>Chemistry - A European Journal</i> , 2015 , 21, 6756-64	4.8	57
76	(Electro)catalytic C-C bond formation reaction with a redox-active cobalt complex. <i>Chemical Communications</i> , 2014 , 50, 11104-6	5.8	53
75	Tuning spin-spin coupling in quinonoid-bridged dicopper(II) complexes through rational bridge variation. <i>Inorganic Chemistry</i> , 2013 , 52, 10332-9	5.1	51
74	Dinuclear Quinonoid-Bridged d8 Metal Complexes with Redox-Active Azobenzene Stoppers: Electrochemical Properties and Electrochromic Behavior. <i>Organometallics</i> , 2014 , 33, 4756-4765	3.8	49
73	A New Supporting Ligand in Actinide Chemistry Leads to Reactive Bis(NHC)borate-Supported Thorium Complexes. <i>Organometallics</i> , 2016 , 35, 2915-2922	3.8	48
72	Introducing Potential Hemilability into ClickTriazoles and Triazolyliidenes: Synthesis and Characterization of d6-Metal Complexes and Oxidation Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3164-3171	2.3	48
71	Abnormal carbenes derived from the 1,5-cycloaddition product between azides and alkynes: structural characterization of Pd(II) complexes and their catalytic properties. <i>Dalton Transactions</i> , 2013 , 42, 11355-8	4.3	45
70	Ru, Ir and Os mesoionic carbene complexes: efficient catalysts for transfer hydrogenation of selected functionalities. <i>Dalton Transactions</i> , 2016 , 45, 15983-15993	4.3	43

69	Redox-induced spin-state switching and mixed valency in quinonoid-bridged dicobalt complexes. <i>Chemistry - A European Journal</i> , 2014 , 20, 3475-86	4.8	41
68	The redox series [Ru(bpy) ₂ (L)] _n , n = +3, +2, +1, 0, with L = bipyridine, "click" derived pyridyl-triazole or bis-triazole: a combined structural, electrochemical, spectroelectrochemical and DFT investigation. <i>Dalton Transactions</i> , 2014 , 43, 4437-50	4.3	40
67	Di- and Trinuclear Iridium(III) Complexes with Poly-Mesoionic Carbenes Synthesized through Selective Base-Dependent Metalation. <i>Organometallics</i> , 2015 , 34, 3090-3096	3.8	37
66	Electrochromic Platinum(II) Complexes Derived from Azobenzene and Zwitterionic Quinonoid Ligands: Electronic and Geometric Structures. <i>Organometallics</i> , 2013 , 32, 7366-7375	3.8	36
65	Spin crossover in Fe(II) and Co(II) complexes with the same click-derived tripodal ligand. <i>Inorganic Chemistry</i> , 2014 , 53, 8203-12	5.1	35
64	Donor-acceptor systems of Pt(II) and redox-induced reactivity towards small molecules. <i>Chemical Communications</i> , 2012 , 48, 2388-90	5.8	35
63	Structural, Electrochemical, and Photochemical Properties of Mono- and Digold(I) Complexes Containing Mesoionic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2112-2121	2.3	34
62	Influencing the coordination mode of tbta (tbta = tris[(1-benzyl-1H-1,2,3-triazol-4-yl)methyl]amine) in dicobalt complexes through changes in metal oxidation states. <i>Dalton Transactions</i> , 2013 , 42, 6944-52	4.3	34
61	Thorium Metallacycle Facilitates Catalytic Alkyne Hydrophosphination. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12935-12938	16.4	34
60	Group 5 chemistry supported by Ediketimate ligands. <i>Dalton Transactions</i> , 2016 , 45, 15725-15745	4.3	33
59	Substituent-Induced Reactivity in Quinonoid-Bridged Dinuclear Complexes: Comparison between the Ruthenium and Osmium Systems. <i>Organometallics</i> , 2013 , 32, 2069-2078	3.8	33
58	Expanding the Scope of Chelating Triazolylienes: Mesoionic Carbenes from the 1,5-"Click"-Regioisomer and Catalytic Synthesis of Secondary Amines from Nitroarenes. <i>Chemistry - A European Journal</i> , 2016 , 22, 18009-18018	4.8	32
57	Ruthenium complexes of tripodal ligands with pyridine and triazole arms: subtle tuning of thermal, electrochemical, and photochemical reactivity. <i>Chemistry - A European Journal</i> , 2014 , 20, 781-93	4.8	32
56	Palladium Complexes Bearing Mesoionic Carbene Ligands: Applications in Arylation, Methylation and Suzuki-Miyaura Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 111-117	2.3	31
55	Electrochemistry, chemical reactivity, and time-resolved infrared spectroscopy of donor-acceptor systems [(Q(x))Pt(pap(y))] (Q = substituted o-quinone or o-iminoquinone; pap = phenylazopyridine). <i>Inorganic Chemistry</i> , 2014 , 53, 1021-31	5.1	29
54	Exploring potential cooperative effects in dicopper(I)-di-mesoionic carbene complexes: applications in click catalysis. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 67-77	6.8	28
53	Tailoring Ru(II) pyridine/triazole oxygenation catalysts and using photoreactivity to probe their electronic properties. <i>Chemistry - A European Journal</i> , 2015 , 21, 8926-38	4.8	28
52	Phosphinines versus mesoionic carbenes: a comparison of structurally related ligands in Au(I)-catalysis. <i>Dalton Transactions</i> , 2016 , 46, 86-95	4.3	27

51	Heterobimetallic Cu ^{II} dppf (dppf = 1,1'-Bis(diphenylphosphino)ferrocene) Complexes with Click-Derived Ligands: A Combined Structural, Electrochemical, Spectroelectrochemical, and Theoretical Study. <i>Organometallics</i> , 2013 , 32, 5834-5842	3.8	27
50	Carbon-Nitrogen Bond Cleavage by a Thorium-NHC-bpy Complex. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13789-13792	16.4	25
49	Tuning Magnetic Anisotropy Through Ligand Substitution in Five-Coordinate Co(II) Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 5253-5265	5.1	23
48	Tuning ligand effects and probing the inner-workings of bond activation steps: generation of ruthenium complexes with tailor-made properties. <i>Inorganic Chemistry</i> , 2015 , 54, 4621-35	5.1	23
47	Redox-Active Triazolium-Derived Ligands in Nucleophilic Fe-Catalysis I Reactivity Profile and Development of a Regioselective O-Allylation. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 6310-6316	3.3	22
46	New supporting ligands in actinide chemistry: tetramethyltetraazaannulene complexes with thorium and uranium. <i>Dalton Transactions</i> , 2017 , 46, 13768-13782	4.3	21
45	Three-way cooperativity in d8 metal complexes with ligands displaying chemical and redox non-innocence. <i>Chemistry - A European Journal</i> , 2014 , 20, 15178-87	4.8	20
44	Lewis acid capping of a uranium(v) nitride via a uranium(iii) azide molecular square. <i>Chemical Communications</i> , 2020 , 56, 4535-4538	5.8	18
43	Ruthenium Hydride Complexes with Zwitterionic Quinonoid Ligands I Isomer Separation, Structural Properties, Electrochemistry, and Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 546-553	3.3	18
42	Dioxo-, Oxo-imido-, and Bis-imido-Molybdenum(VI) Complexes with a Bis-phenolate-NHC Ligand. <i>Organometallics</i> , 2019 , 38, 3719-3729	3.8	16
41	Utilizing a series of fac-Re(CO) ₃ core based quinonoid containing complexes for photophysical and cell imaging studies. <i>Polyhedron</i> , 2015 , 100, 243-250	2.7	16
40	Structural, Electrochemical, and Magnetic Studies of Bulky Uranium(III) and Uranium(IV) Metallocenes. <i>Inorganic Chemistry</i> , 2019 , 58, 16629-16641	5.1	16
39	A new bis-phenolate mesoionic carbene ligand for early transition metal chemistry. <i>Dalton Transactions</i> , 2019 , 48, 14611-14625	4.3	15
38	Benzoquinonoid-bridged dinuclear actinide complexes. <i>Dalton Transactions</i> , 2017 , 46, 11615-11625	4.3	15
37	A Dicobalt Complex with an Unsymmetrical Quinonoid Bridge Isolated in Three Units of Charge: A Combined Structural, (Spectro)electrochemical, Magnetic and Spectroscopic Study. <i>Chemistry - A European Journal</i> , 2016 , 22, 13884-13893	4.8	14
36	Copper(I) complexes of mesoionic carbene: structural characterization and catalytic hydrosilylation reactions. <i>Molecules</i> , 2015 , 20, 7379-95	4.8	13
35	Hydride oxidation from a titanium-aluminum bimetallic complex: insertion, thermal and electrochemical reactivity. <i>Chemical Science</i> , 2017 , 8, 5153-5160	9.4	12
34	Half-Sandwich Ir(III) and Os(II) Complexes of Pyridyl-Mesoionic Carbenes as Potential Anticancer Agents. <i>Organometallics</i> , 2019 , 38, 4082-4092	3.8	11

33	Structural snapshots in the copper(ii) induced azide-nitrile cycloaddition: effects of peripheral ligand substituents on the formation of unsupported μ -azido vs. μ -tetrazolato bridged complexes. <i>Dalton Transactions</i> , 2016 , 45, 17770-17781	4.3	11
32	Palladium(ii)-Acetylacetonato Complexes with Mesoionic Carbenes: Synthesis, Structures and Their Application in the Suzuki-Miyaura Cross Coupling Reaction. <i>Molecules</i> , 2016 , 21,	4.8	10
31	Distinct photodynamics of μ -N and μ -C pseudoisomeric iron(II) complexes. <i>Chemical Communications</i> , 2021 , 57, 6640-6643	5.8	10
30	Control of Complex Formation through Peripheral Substituents in Click-Tripodal Ligands: Structural Diversity in Homo- and Heterodinuclear Cobalt-Azido Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 402-413	5.1	9
29	f-Block complexes of a m-terphenyl dithiocarboxylate ligand. <i>Dalton Transactions</i> , 2018 , 47, 96-104	4.3	9
28	Synthesis, characterization, and epoxide ring-opening reactivity of thorium-NHC-bpy complexes. <i>Journal of Organometallic Chemistry</i> , 2018 , 857, 10-15	2.3	9
27	Structural Characterization, Solution Dynamics, and Reactivity of Palladium Complexes with Benzimidazolin-2-ylidene N-Heterocyclic Carbene Ligands. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 2131-2139	2.3	9
26	Janus-type dual emission of a Cyclometalated Iron(III) complex		9
25	Tuning Pt -Based Donor-Acceptor Systems through Ligand Design: Effects on Frontier Orbitals, Redox Potentials, UV/Vis/NIR Absorptions, Electrochromism, and Photocatalysis. <i>Chemistry - A European Journal</i> , 2020 , 26, 1314-1327	4.8	9
24	Bright luminescent lithium and magnesium carbene complexes. <i>Chemical Science</i> , 2021 , 12, 7401-7410	9.4	9
23	Uranium Metallocene Azides, Isocyanates, and Their Borane-Capped Lewis Adducts. <i>Inorganic Chemistry</i> , 2020 , 59, 8580-8588	5.1	8
22	Control of clustering behavior in anionic cerium(iii) corrole complexes: from oligomers to monomers. <i>Dalton Transactions</i> , 2016 , 45, 18653-18660	4.3	8
21	Characterization of $[\text{Pd}(\text{pap})(\text{NHC})\text{I}_2]_n$ ($n = +1, 0, \infty$; pap = phenylazopyridine; NHC = N-heterocyclic carbene): Unusual coordination mode of pap and non-innocent behavior of NHC. <i>Inorganica Chimica Acta</i> , 2012 , 380, 269-273	2.7	8
20	A transient lanthanum phosphinidene complex. <i>Chemical Communications</i> , 2020 , 56, 15410-15413	5.8	7
19	Monoanionic Anilidophosphine Ligand in Lanthanide Chemistry: Scope, Reactivity, and Electrochemistry. <i>Inorganic Chemistry</i> , 2020 , 59, 2719-2732	5.1	7
18	Homoleptic U(iii) and U(iv) amidate complexes. <i>Dalton Transactions</i> , 2018 , 47, 1772-1776	4.3	7
17	Carbon-Nitrogen Bond Cleavage by a Thorium-NHC-bpy Complex. <i>Angewandte Chemie</i> , 2016 , 128, 13993-13996	18.9	6
16	μ -Coordination and Functionalization of the 2-Phosphaethynthiolate Anion at Lanthanum(III)*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9534-9539	16.4	6

15	Isocyanate Insertion into a La-P Phosphide Bond: A Versatile Route to Phosphaureate-Bridged Heterobimetallic Lanthanide-Coinage-Metal Complexes. <i>Inorganic Chemistry</i> , 2020 , 59, 13621-13631	5.1	5
14	Catalytic Deoxygenation of Nitroarenes Mediated by High-Valent Molybdenum(VI) NHC Complexes. <i>Organometallics</i> , 2021 , 40, 107-118	3.8	5
13	Structure and magnetism of a tetrahedral uranium(iii) Ediketimate complex. <i>Dalton Transactions</i> , 2020 , 49, 7938-7944	4.3	4
12	Interactions of vanadium(iv) with amidoxime ligands: redox reactivity. <i>Dalton Transactions</i> , 2018 , 47, 5695-5702	4.3	4
11	Isocyanide adducts of tri- and tetravalent uranium metallocenes supported by tetra(isopropyl)cyclopentadienyl ligands. <i>Dalton Transactions</i> , 2020 , 49, 11971-11977	4.3	4
10	B-Coordination and Functionalization of the 2-Phosphaethynthiolate Anion at Lanthanum(III)**. <i>Angewandte Chemie</i> , 2021 , 133, 9620-9625	3.6	4
9	Molybdenum(VI) bis-imido Complexes of Dipyrromethene Ligands. <i>Inorganic Chemistry</i> , 2020 , 59, 9847-9856	3.5	3
8	Coupling of CO and epoxides catalysed by novel -fused mesoionic carbene complexes of nickel(II). <i>Dalton Transactions</i> , 2021 , 50, 17361-17371	4.3	2
7	Isolation of a TMTAA-Based Radical in Uranium bis-TMTAA Complexes. <i>Angewandte Chemie</i> , 2018 , 130, 16368-16372	3.6	2
6	Mesoionic Carbenes in Low- to High-Valent Vanadium Chemistry. <i>Inorganic Chemistry</i> , 2021 , 60, 15421-15434	3.4	2
5	A mesoionic carbene complex of manganese in five oxidation states.. <i>Chemical Communications</i> , 2022 , 58, 6096-6099	5.8	2
4	Amidinate Supporting Ligands Influence Molecularity in Formation of Uranium Nitrides. <i>Inorganic Chemistry</i> , 2021 , 60, 6672-6679	5.1	1
3	Rhodocenium Functionalization Enabled by Half-Sandwich Capping, Zincke Reaction, Diazonation and Sandmeyer Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 3305-3313	2.3	1
2	Isolation of a TMTAA-Based Radical in Uranium bis-TMTAA Complexes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16136-16140	16.4	1
1	N-Heterocyclic and Mesoionic Carbene Complexes of the Actinides 2021 ,		