

Stephan Hohloch

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.

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	A mesoionic carbene complex of manganese in five oxidation states.. <i>Chemical Communications</i> , 2022 , 58, 6096-6099	5.8	2
85	Coupling of CO and epoxides catalysed by novel η^5 -fused mesoionic carbene complexes of nickel(II). <i>Dalton Transactions</i> , 2021 , 50, 17361-17371	4.3	2
84	η^5 -Coordination and Functionalization of the 2-Phosphaethynthiolate Anion at Lanthanum(III)**. <i>Angewandte Chemie</i> , 2021 , 133, 9620-9625	3.6	4
83	Amidinate Supporting Ligands Influence Molecularity in Formation of Uranium Nitrides. <i>Inorganic Chemistry</i> , 2021 , 60, 6672-6679	5.1	1
82	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
81	Catalytic Deoxygenation of Nitroarenes Mediated by High-Valent Molybdenum(VI) η^5 -Cp* Complexes. <i>Organometallics</i> , 2021 , 40, 107-118	3.8	5
80	Bright luminescent lithium and magnesium carbene complexes. <i>Chemical Science</i> , 2021 , 12, 7401-7410	9.4	9
79	Distinct photodynamics of η^5 -Cp* and η^5 -Cp pseudoisomeric iron(II) complexes. <i>Chemical Communications</i> , 2021 , 57, 6640-6643	5.8	10
78	η^5 -Coordination and Functionalization of the 2-Phosphaethynthiolate Anion at Lanthanum(III)*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9534-9539	16.4	6
77	Mesoionic Carbenes in Low- to High-Valent Vanadium Chemistry. <i>Inorganic Chemistry</i> , 2021 , 60, 15421-15434	5.4	2
76	N-Heterocyclic and Mesoionic Carbene Complexes of the Actinides 2021 ,		
75	A transient lanthanum phosphinidene complex. <i>Chemical Communications</i> , 2020 , 56, 15410-15413	5.8	7
74	Uranium Metallocene Azides, Isocyanates, and Their Borane-Capped Lewis Adducts. <i>Inorganic Chemistry</i> , 2020 , 59, 8580-8588	5.1	8
73	Structure and magnetism of a tetrahedral uranium(III) η^5 -diketiminato complex. <i>Dalton Transactions</i> , 2020 , 49, 7938-7944	4.3	4
72	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
71	Molybdenum(VI) bis-imido Complexes of Dipyrromethene Ligands. <i>Inorganic Chemistry</i> , 2020 , 59, 9847-9856	5.6	3
70	Monoanionic Anilidophosphine Ligand in Lanthanide Chemistry: Scope, Reactivity, and Electrochemistry. <i>Inorganic Chemistry</i> , 2020 , 59, 2719-2732	5.1	7

69	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
68	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
67	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
66	A new bis-phenolate mesoionic carbene ligand for early transition metal chemistry. <i>Dalton Transactions</i> , 2019 , 48, 14611-14625	4.3	15
65	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
64	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
63	Structural, Electrochemical, and Magnetic Studies of Bulky Uranium(III) and Uranium(IV) Metallocenes. <i>Inorganic Chemistry</i> , 2019 , 58, 16629-16641	5.1	16
62	Interactions of vanadium(iv) with amidoxime ligands: redox reactivity. <i>Dalton Transactions</i> , 2018 , 47, 5695-5702	4.3	4
61	Homoleptic U(iii) and U(iv) amidate complexes. <i>Dalton Transactions</i> , 2018 , 47, 1772-1776	4.3	7
60	F-Block complexes of a m-terphenyl dithiocarboxylate ligand. <i>Dalton Transactions</i> , 2018 , 47, 96-104	4.3	9
59	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
58	Isolation of a TMTAA-Based Radical in Uranium bis-TMTAA Complexes. <i>Angewandte Chemie</i> , 2018 , 130, 16368-16372	3.6	2
57	Isolation of a TMTAA-Based Radical in Uranium bis-TMTAA Complexes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16136-16140	16.4	1
56	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
55	Tuning Magnetic Anisotropy Through Ligand Substitution in Five-Coordinate Co(II) Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 5253-5265	5.1	23
54	Hydride oxidation from a titanium-aluminum bimetallic complex: insertion, thermal and electrochemical reactivity. <i>Chemical Science</i> , 2017 , 8, 5153-5160	9.4	12
53	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
52	New supporting ligands in actinide chemistry: tetramethyltetraazaannulene complexes with thorium and uranium. <i>Dalton Transactions</i> , 2017 , 46, 13768-13782	4.3	21

51	Benzoquinonoid-bridged dinuclear actinide complexes. <i>Dalton Transactions</i> , 2017 , 46, 11615-11625	4.3	15
50	Thorium Metallacycle Facilitates Catalytic Alkyne Hydrophosphination. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12935-12938	16.4	34
49	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
48	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
47	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
46	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
45	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
44	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
43	Group 5 chemistry supported by Ediketimate ligands. <i>Dalton Transactions</i> , 2016 , 45, 15725-15745	4.3	33
42	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
41	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
40	Carbon-Nitrogen Bond Cleavage by a Thorium-NHC-bpy Complex. <i>Angewandte Chemie</i> , 2016 , 128, 13993-13996	3.1	97
39	Structural snapshots in the copper(ii) induced azide-nitrile cycloaddition: effects of peripheral ligand substituents on the formation of unsupported λ^5 -azido vs. λ^5 -tetrazolato bridged complexes. <i>Dalton Transactions</i> , 2016 , 45, 17770-17781	4.3	11
38	Carbon-Nitrogen Bond Cleavage by a Thorium-NHC-bpy Complex. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13789-13792	16.4	25
37	Palladium Complexes Bearing Mesoionic Carbene Ligands: Applications in β -Arylation, β -Methylation and Suzuki-Miyaura Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 111-117	2.3	31
36	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
35	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
34	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

33	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
32	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
31	Copper(I) complexes of mesoionic carbene: structural characterization and catalytic hydrosilylation reactions. <i>Molecules</i> , 2015 , 20, 7379-95	4.8	13
30	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
29	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
28	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
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	Introducing Potential Hemilability into "Click" Triazoles and Triazolylienes: Synthesis and Characterization of d ⁶ -Metal Complexes and Oxidation Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3164-3171	2.3	48
25	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
24	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
23	(Electro)catalytic C-C bond formation reaction with a redox-active cobalt complex. <i>Chemical Communications</i> , 2014 , 50, 11104-6	5.8	53
22	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
21	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
20	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
19	Dinuclear Quinonoid-Bridged d ⁸ Metal Complexes with Redox-Active Azobenzene Stoppers: Electrochemical Properties and Electrochromic Behavior. <i>Organometallics</i> , 2014 , 33, 4756-4765	3.8	49
18	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
17	Three-way cooperativity in d ⁸ metal complexes with ligands displaying chemical and redox non-innocence. <i>Chemistry - A European Journal</i> , 2014 , 20, 15178-87	4.8	20
16	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

15	Redox-Active Triazolium-Derived Ligands in Nucleophilic Fe-Catalysis [Reactivity Profile and Development of a Regioselective O-Allylation. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 6310-6316	3.2	22
14	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
13	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
12	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
11	Heterobimetallic Cu ^{II} pdpf (dpdpf = 1,1'-Bis(diphenylphosphino)ferrocene) Complexes with [1,2,3]Click-Derived Ligands: A Combined Structural, Electrochemical, Spectroelectrochemical, and Theoretical Study. <i>Organometallics</i> , 2013 , 32, 5834-5842	3.8	27
10	Arene-Ruthenium(II) and -Iridium(III) Complexes with [1,2,3]Click-Based 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
9	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
8	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
7	Are Cu(I)-mesoionic NHC carbenes associated with nitrogen additives the best Cu-carbene catalysts for the azide-alkyne click reaction in solution? A case study. <i>Tetrahedron Letters</i> , 2013 , 54, 1808-1812	2	68
6	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
5	Ruthenium Hydride Complexes with Zwitterionic Quinonoid Ligands [Isomer Separation, Structural Properties, Electrochemistry, and Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 546-553	3.3	18
4	Donor-acceptor systems of Pt(II) and redox-induced reactivity towards small molecules. <i>Chemical Communications</i> , 2012 , 48, 2388-90	5.8	35
3	Characterization of [Pd(pap)(NHC)I2]n (n = +1, 0, -1; 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
2	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
1	Janus-type dual emission of a Cyclometalated Iron(III) complex		9