

Joachim Ballmann

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	The hydride route to the preparation of dinitrogen complexes. <i>Chemical Communications</i> , 2010, 46, 1013.	4.1	119
2	A Synthetic Analogue of Rieske-Type $[2\text{Fe}\mu_2\text{S}]$ Clusters. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9537-9541.	13.8	55
3	Carbon-Nitrogen Bond Formation by the Reaction of 1,2-Cumulenes with a Ditantalum Complex Containing Side- and End-Bound Dinitrogen. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 507-510.	13.8	55
4	Support-controlled chemoselective olefin-imine addition photocatalyzed by cadmium sulfide on a zinc sulfide carrier. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 159-164.	2.9	38
5	Complete disassembly of carbon disulfide by a ditantalum complex. <i>Chemical Communications</i> , 2010, 46, 8794.	4.1	32
6	Synthesis and Coordination Properties of Chelating Dithiophenolate Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 90-99.	4.0	25
7	Secondary Bonding Interactions in Biomimetic $[2\text{Fe}\mu_2\text{S}]$ Clusters. <i>Inorganic Chemistry</i> , 2008, 47, 1586-1596.	4.0	24
8	Cleavage of Carbon Monoxide Promoted by a Dinuclear Tantalum Tetrahydride Complex. <i>Organometallics</i> , 2012, 31, 8516-8524.	2.3	24
9	Phosphines and N -Heterocycles Joining Forces: an Emerging Structural Motif in PNP-Pincer Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2023-2042.	2.0	24
10	Molybdenum-Mediated N_2 -Splitting and Functionalization in the Presence of a Coordinated Alkyne. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25804-25808.	13.8	22
11	A Novel Trisamidophosphine Ligand and Its Group(IV) Metal Complexes. <i>Organometallics</i> , 2014, 33, 612-615.	2.3	21
12	Reduction of Carbon Dioxide Promoted by a Dinuclear Tantalum Tetrahydride Complex. <i>Inorganic Chemistry</i> , 2013, 52, 1685-1687.	4.0	20
13	Synthesis and Reactivity of [PCCP]-Coordinated Group 5 Alkyl and Alkylidene Complexes Featuring a Metallacyclopentene Backbone. <i>Organometallics</i> , 2019, 38, 4307-4318.	2.3	20
14	P-Protected Diphosphadibenzo[<i>a</i>], [<i>e</i>]pentalenes and Their Mono- and Dicationic P-Bridged Ladder Stilbenes. <i>Organic Letters</i> , 2019, 21, 2033-2038.	4.6	20
15	Relatively stable N-ligated $[2\text{Fe}\mu_2\text{S}]_2^+$ clusters with dipyrromethane capping ligands. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 305-312.	3.5	19
16	Tuning Electronic Properties of Biomimetic $[2\text{Fe}\mu_2\text{S}]$ Clusters by Ligand Variations. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3219-3225.	2.0	17
17	A convenient ligand exchange pathway to $[2\text{Fe}\mu_2\text{S}]$ ferredoxin analogues. <i>Dalton Transactions</i> , 2009, , 4908.	3.3	17
18	Synthesis and Reactivity of Cyclometalated Triamidophosphine Complexes of Niobium and Tantalum. <i>Inorganic Chemistry</i> , 2015, 54, 4094-4103.	4.0	16

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19	A Tripodal Benzylene-Linked Trisamidophosphine Ligand Scaffold: Synthesis and Coordination Chemistry with Group(IV) Metals. <i>Inorganic Chemistry</i> , 2014, 53, 4144-4153.	4.0	15
20	Phospha Derivatives of Tris(2-aminoethyl)amine (<i>tren</i>) and Tris(3-aminopropyl)amine (<i>trpn</i>): Synthesis and Complexation Studies with Group 4 Metals. <i>Organometallics</i> , 2015, 34, 1118-1128.	2.3	15
21	Closely Related Benzylene-Linked Diamidophosphine Scaffolds and Their Zirconium and Hafnium Complexes: How Small Changes of the Ligand Result in Different Complex Stabilities and Reactivities. <i>Organometallics</i> , 2016, 35, 2294-2308.	2.3	15
22	Dinuclear Cationic Zirconium Hydrides Stabilized by the <i>N,N</i> -Dibenzylcyclam Ancillary Ligand. <i>Organometallics</i> , 2012, 31, 4937-4940.	2.3	14
23	Diamidophosphines with six-membered chelates and their coordination chemistry with group 4 metals: development of a trimethylene-methane-tethered [PN ₂]-type "molecular claw", <i>Dalton Transactions</i> , 2016, 45, 3528-3540.	3.3	12
24	Benzylene-linked [PNP] scaffolds and their cyclometalated zirconium and hafnium complexes. <i>Dalton Transactions</i> , 2017, 46, 5816-5834.	3.3	12
25	A 2,2'-diphosphinotolane as a versatile precursor for the synthesis of P-ylidic mesoionic carbenes via reversible C=P bond formation. <i>Chemical Science</i> , 2021, 12, 3693-3701.	7.4	10
26	Cyclometalated titanium and zirconium complexes stabilised by a new silylmethylene-linked tetradentate triamidophosphine. <i>Dalton Transactions</i> , 2016, 45, 3013-3023.	3.3	7
27	A Tautomeric $\lambda^3\lambda^5$ -Phosphane Pair and Its Ambiphilic Reactivity. <i>Inorganic Chemistry</i> , 2019, 58, 3502-3508.	4.0	7
28	Reductive Hydrogenation under Single-Site Control: Generation and Reactivity of a Transient NHC-Stabilized Tantalum(III) Alkoxide. <i>Inorganic Chemistry</i> , 2021, 60, 9785-9795.	4.0	6
29	Surface dipole assisted charge carrier extraction in inverted architecture perovskite solar cells. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	6
30	Synthesis of NPN-Coordinated Tantalum Alkyl Complexes and Their Hydrogenolysis: Isolation of a Terminal Tantalum Hydride Incorporating a Doubly Cyclometalated NPN Scaffold. <i>Inorganic Chemistry</i> , 2017, 56, 5122-5134.	4.0	5
31	The Multifaceted Palladium Chemistry of 2,2'-Diphosphinotolanes. <i>Organometallics</i> , 2021, 40, 804-812.	2.3	5
32	Molybdänvermittelte N ₂ -Spaltung und Funktionalisierung in Gegenwart eines koordinierten Alkyls. <i>Angewandte Chemie</i> , 2021, 133, 26008-26012.	2.0	3
33	Pitfalls and Limitations in Group 6 Triamidophosphane Chemistry: Cage Closure Restrictions in Square-Pyramidal Nitrido Complexes and Degradation via Spiro[4.4]non-5-ylideneamidophosphorane Formation. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5442-5450.	2.0	2
34	Selective Reduction of CO ₂ to a Tantalum Formate Complex and Release of Methyl Formate from the Tantalum(V) Center. <i>Inorganic Chemistry</i> , 2021, 60, 18291-18295.	4.0	2
35	Martin's Phosphino-Triol Revisited: Unexpected P=C Bond Cleavage Reactions and Their Suppression via Complexation of Al ³⁺ and Sc ³⁺ . <i>Inorganic Chemistry</i> , 2021, 60, 19414-19420.	4.0	1