

Priv-Doz&euroDr Torsten Beweries

List of Publications by Year in descending order

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papers

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186209
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Five-membered metallacycles of titanium and zirconium ? attractive compounds for organometallic chemistry and catalysis. <i>Chemical Society Reviews</i> , 2007, 36, 719.	18.7	177
2	[P(Î¼ ⁴ â€Nter)] ₂ : A Biradicaloid That Is Stable at High Temperature. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8974-8978.	7.2	152
3	Recent advances in transition metal catalysed dehydropolymerisation of amine boranes and phosphine boranes. <i>Coordination Chemistry Reviews</i> , 2019, 380, 260-286.	9.5	99
4	Reactions of Group 4 Metallocene Alkyne Complexes with Carbodiimides: Experimental and Theoretical Studies of the Structure and Bonding of Five-Membered Hetero-Metallacycloallenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 5463-5473.	6.6	66
5	Energetics of Halogen Bonding of Group 10 Metal Fluoride Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 14338-14348.	6.6	64
6	Recent advances in the chemistry of heterometallacycles of group 4 metallocenes. <i>Catalysis Science and Technology</i> , 2013, 3, 18-28.	2.1	61
7	Catalytic dehydrogenation of dimethylamine borane by group 4 metallocene alkyne complexes and homoleptic amido compounds. <i>Dalton Transactions</i> , 2011, 40, 7689.	1.6	53
8	Formation of high-molecular weight polyaminoborane by Fe hydride catalysed dehydrocoupling of methylamine borane. <i>Dalton Transactions</i> , 2017, 46, 6843-6847.	1.6	52
9	Synthesis and Characterization of Multiferrocenylâ€Substituted Groupâ€...4 Metallocene Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 12672-12680.	1.7	51
10	Combination of Spectroscopic Methods: <i>In Situ</i> NMR and UV/Vis Measurements To Understand the Formation of Group 4 Metallacyclopentanes from the Corresponding Metallacyclopropenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 4463-4469.	6.6	44
11	Reactions of Titanocene Bis(trimethylsilyl)acetylene Complexes with Carbodiimides: An Experimental and Theoretical Study of Complexation versus Câ€N Bond Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 15979-15991.	6.6	42
12	Migratory Insertion of an Isocyanide into 1-Zirconacyclopent-3-yne. <i>Organometallics</i> , 2007, 26, 4592-4597.	1.1	40
13	Theoretical Studies on the Structure and Bonding of Metallacyclocumulenes, -cyclopentynes, and -cycloallenes. <i>Organometallics</i> , 2011, 30, 2670-2679.	1.1	40
14	Catalytic and Kinetic Studies of the Dehydrogenation of Dimethylamine Borane with an <i>i</i> -Pr Substituted Titanocene Catalyst. <i>ChemCatChem</i> , 2011, 3, 1865-1868.	1.8	40
15	Breaking the rules. <i>Nature Chemistry</i> , 2013, 5, 649-650.	6.6	40
16	Homogeneous catalytic transfer semihydrogenation of alkynes â€ an overview of hydrogen sources, catalysts and reaction mechanisms. <i>Catalysis Science and Technology</i> , 2020, 10, 6449-6463.	2.1	40
17	Complexation of Bis(trimethylsilyl)acetylene by Decamethylhafnocene To Give the Hafnacyclopropene Cp* ₂ Hf(Î¼-2-Me ₃ SiC ₂ SiMe ₃):Â An Unusually Strong Metalâ€Alkyne Interactionâ€. <i>Organometallics</i> , 2007, 26, 247-249.	1.1	39
18	Molecular Catalysts for the Reductive Homocoupling of CO ₂ towards C ₂₊ Compounds. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	38

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19	Synthesis and Isolation of Di- <i>n</i> -butylhafnocene and Its Application as a Versatile Starting Material for the Synthesis of New Hafnacycles. <i>Organometallics</i> , 2009, 28, 2864-2870.	1.1	37
20	Group 4 metallocene catalysed full dehydrogenation of hydrazine borane. <i>Dalton Transactions</i> , 2013, 42, 14668.	1.6	37
21	Theoretical Evidence of the Stabilization of an Unusual Four-Membered Metallacycloallene by a Transition-Metal Fragment. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5347-5350.	7.2	36
22	[Cp ₂ Ti ^{III} (NCy) ₂ Ci ₂ Ti ^{III} Cp ₂]: A Transient Titanocene Carbene Complex?. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9282-9285.	7.2	35
23	Synthesis of Cp* ₂ Ti(OTf) and Its Reaction with Water. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 627-631.	1.0	35
24	Reactions of Group 4 Metallocene Alkyne Complexes with Azobenzene: Formation of Diazametallacyclopropanes and N=N Bond Activation. <i>Organometallics</i> , 2010, 29, 2604-2609.	1.1	34
25	Erbium-Catalyzed Regioselective Isomerization-Cobalt-Catalyzed Transfer Hydrogenation Sequence for the Synthesis of Anti-Markovnikov Alcohols from Epoxides under Mild Conditions. <i>ACS Catalysis</i> , 2020, 10, 13659-13667.	5.5	34
26	Photoassisted Ti ₂ O Activation in a Decamethyltitanocene Dihydroxido Complex: Insights into the Elemental Steps of Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6272-6275.	7.2	32
27	Dehydropolymerisation of methylamine borane using a dinuclear 1,3-allenediyl bridged zirconocene complex. <i>Dalton Transactions</i> , 2018, 47, 12858-12862.	1.6	31
28	Synthesis and comparative study of the photocatalytic performance of hierarchically porous polymeric carbon nitrides. <i>Microporous and Mesoporous Materials</i> , 2015, 211, 182-191.	2.2	30
29	The Contrasting Character of Early and Late Transition Metal Fluorides as Hydrogen Bond Acceptors. <i>Journal of the American Chemical Society</i> , 2015, 137, 11820-11831.	6.6	29
30	Ring-Opening Reactions of Tetrahydrofuran versus Alkyne Complexation by Group 4 Metallocene Complexes Leading to General Consequences for Synthesis and Reactions of Metallocene Complexes. <i>Organometallics</i> , 2007, 26, 3000-3004.	1.1	28
31	Reactivity of phosphane-Wittig reagents towards NHCs and NHOs. <i>Dalton Transactions</i> , 2021, 50, 1838-1844.	1.6	28
32	Reactions of 1-Titana- and 1-Zirconacyclopent-3-yne with Tris(pentafluorophenyl)borane. <i>Organometallics</i> , 2005, 24, 5916-5918.	1.1	27
33	Tandem Si ₂ C and Ci ₂ H Activation for Decamethylhafnocene and Bis(trimethylsilyl)acetylene. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6907-6910.	7.2	27
34	Synthesis and Reactions of Cp* ₂ Hf(=O) ₂ -PhC ₂ SiMe ₃ with Water and Carbon Dioxide. <i>Organometallics</i> , 2008, 27, 3954-3959.	1.1	26
35	Synthesis and Structures of <i>ansa</i> -Titanocene Complexes with Diatomic Bridging Units for Overall Water Splitting. <i>Chemistry - A European Journal</i> , 2013, 19, 6350-6357.	1.7	26
36	1-Titanacyclobuta-2,3-diene - an elusive four-membered cyclic allene. <i>Chemical Science</i> , 2019, 10, 5319-5325.	3.7	26

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37	Titanocene(<i>sc</i>) complexes with 2-phosphinoaryloxide ligands for the catalytic dehydrogenation of dimethylamine borane. <i>Dalton Transactions</i> , 2015, 44, 12103-12111.	1.6	25
38	Synthesis, Characterisation and Hydrogen Bonding of Isostructural Group 10 Metal Halido Complexes Bearing a POCOP Ligand. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3815-3822.	1.0	25
39	Photophysics of BODIPY Dyes as Readily-Designable Photosensitisers in Light-Driven Proton Reduction. <i>Inorganics</i> , 2017, 5, 21.	1.2	25
40	Dehydropolymerisation of Methylamine Borane and an <i>N</i> -Substituted Primary Amine Borane Using a PNP Fe Catalyst. <i>Chemistry - A European Journal</i> , 2020, 26, 7889-7899.	1.7	25
41	Investigation and Enhancement of the Stability and Performance of Water Reduction Systems based on Cyclometalated Iridium(III) Complexes. <i>ChemSusChem</i> , 2013, 6, 92-101.	3.6	23
42	Reactions of Five-Membered Metallacyclocumulenes Cp ₂ M(<i>i</i> -Bu) ₄ (M = Ti, Zr) with Diisobutylaluminum Hydride. <i>Organometallics</i> , 2011, 30, 1157-1161.	1.1	21
43	Plasma Synthesis of Polymer-Capped Dye-Sensitised Anatase Nanopowders for Visible-Light-Driven Hydrogen Evolution. <i>ChemSusChem</i> , 2013, 6, 152-159.	3.6	21
44	Design of BODIPY Dyes as Photosensitisers in Multicomponent Catalyst Systems for Light-Driven Hydrogen Production. <i>Chemistry - A European Journal</i> , 2015, 21, 13549-13552.	1.7	21
45	Experimental and Theoretical Studies of Unusual Four-Membered Metallacycles from Reactions of Group 4 Metallocene Bis(trimethylsilyl)acetylene Complexes with the Sulfurdiimide Me ₃ SiN=S=NSiMe ₃ . <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 611-617.	1.0	20
46	Visiting the Limits between a Highly Strained 1-Zirconacyclobuta-2,3-diene and Chemically Robust Dizirconacyclooctatetraene. <i>Chemistry - A European Journal</i> , 2018, 24, 5667-5674.	1.7	20
47	Synthesis of Symmetric and Nonsymmetric Ni ^{II} Thiophosphinito PECSP (E = S, O) Pincer Complexes and Their Applications in Kumada Coupling under Mild Conditions. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 676-680.	1.0	20
48	Nickel(ii) PE1CE2P pincer complexes (E = O, S) for electrocatalytic proton reduction. <i>Dalton Transactions</i> , 2019, 48, 16322-16329.	1.6	19
49	Reactions of Decamethylhafnocene with 1,3-Butadiynes: Formation of Hafnacyclocumulenes and C-H Activation at Pentamethylcyclopentadienyl Ligands. <i>Organometallics</i> , 2007, 26, 6827-6831.	1.1	18
50	Synthesis of ansa-Dimethylsilanediyldicyclopentadienyldicyclopentadienyldicyclopent-3-yne, Me ₂ Si(<i>i</i> -5-C ₅ H ₄) ₂ Zr(<i>i</i> -4-H ₂ C ₄ H ₂), and Its Reactions with Ni(0) and B(C ₆ F ₅) ₃ . <i>Organometallics</i> , 2007, 26, 241-244.	1.1	18
51	Highly Strained Heterometallacycles of Group 4 Metallocenes with Bis(diphenylphosphino)amide Ligands. <i>Chemistry - A European Journal</i> , 2012, 18, 10546-10553.	1.7	18
52	An Intermolecular Heterobimetallic system for Photocatalytic Water Reduction. <i>ChemSusChem</i> , 2012, 5, 656-660.	3.6	17
53	A Model of a Closed Cycle of Water Splitting Using <i>ansa</i> -Titanocene(III/IV) Triflate Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 16187-16195.	6.6	16
54	Hydrogen Generation by Water Reduction with [Cp ₂ Ti(OTf)]: Identifying Elemental Mechanistic Steps by Combined In Situ FTIR and In Situ EPR Spectroscopy Supported by DFT Calculations. <i>Chemistry - A European Journal</i> , 2013, 19, 13705-13713.	1.7	15

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55	Group 4 Metallocene Mediated Homo- and Heterocoupling of Heteroaromatic Nitriles. <i>Organometallics</i> , 2018, 37, 4415-4423.	1.1	15
56	Kinetic and mechanistic investigations in homogeneous catalysis using operando UV/vis spectroscopy. <i>Catalysis Today</i> , 2010, 155, 282-288.	2.2	14
57	Peculiarities of Vibrational Spectra and Electronic Structure of the Five-Membered Metallacyclocumulenes of the Group 4 Metals. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 922-928.	1.0	14
58	Room temperature synthesis of an amorphous MoS ₂ based composite stabilized by N-donor ligands and its light-driven photocatalytic hydrogen production. <i>RSC Advances</i> , 2015, 5, 67742-67751.	1.7	14
59	Iridium(III) hydrido complexes for the catalytic dehydrogenation of hydrazine borane. <i>Dalton Transactions</i> , 2016, 45, 17697-17704.	1.6	14
60	Redox-Disproportionation of a Decamethyltitanocene(III) Isonitrile Alkynyl Complex. <i>Chemistry - A European Journal</i> , 2017, 23, 7891-7895.	1.7	14
61	Synthesis and characterisation of ring-substituted POCOP halide complexes of group 10 metals. <i>Polyhedron</i> , 2018, 143, 118-125.	1.0	14
62	Synthesis of Rh(III) thiophosphinito pincer hydrido complexes by base-free C-H bond activation at room temperature. <i>Chemical Communications</i> , 2018, 54, 6292-6295.	2.2	13
63	A Comparative Study on the Thermodynamics of Halogen Bonding of Group 10 Pincer Fluoride Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 3571-3577.	1.7	13
64	Fe(II) Hydride Complexes for the Homogeneous Dehydrocoupling of Hydrazine Borane: Catalytic Mechanism via DFT Calculations and Detailed Spectroscopic Characterization. <i>Organometallics</i> , 2019, 38, 2714-2723.	1.1	12
65	Organometallic water splitting from coordination chemistry to catalysis. <i>Reviews in Inorganic Chemistry</i> , 2014, 34, 177-198.	1.8	11
66	Triazenido Complexes of Titanocene(III). <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1993-1998.	1.0	10
67	First structurally characterized five-membered hafnacyclocumulene Cp ₂ Hf(1-4-ButC ₄ But). <i>Russian Chemical Bulletin</i> , 2008, 57, 1319-1320.	0.4	9
68	Reactions of the Five-Membered Hafnacyclocumulene Cp ₂ Hf(1-t-Bu-C ₄ -t-Bu) with the Lewis Acids Tris(pentafluorophenyl)borane and Diisobutylaluminum Hydride. <i>Organometallics</i> , 2010, 29, 2367-2371.	1.1	9
69	Titanocene Silylpropyne Complexes: Promising Intermediates en route to a Four-Membered Metallacyclobutadiene. <i>Chemistry - A European Journal</i> , 2017, 23, 14158-14162.	1.7	9
70	Different Inertness of Titanocene [Cp ₂ Ti] and Decamethyltitanocene [Cp* ₂ Ti] in Reactions with N,N-Bis(trimethylsilyl)sulfurdiimide - Elimination of Tetramethylfulvene and Formation of Half-Titanocene Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3388-3393.	1.0	8
71	Study of the Reactivity of the [(PECEP)Ni(II)] (E ¹ , E ² =) Tj ETQq1 1 0.784314 mg Complexes versus Ligand Decomposition by S Bond Activation. <i>Organometallics</i> , 2019, 38, 4508-4515.	1.1	8
72	Dehydropolymerisation of methylamine borane using highly active rhodium(III) bis(thiophosphinite) pincer complexes: catalytic and mechanistic insights. <i>Catalysis Science and Technology</i> , 2021, 11, 3514-3526.	2.1	8

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73	Mechanistic insights into dehydrocoupling of amine boranes using dinuclear zirconocene complexes. <i>Catalysis Science and Technology</i> , 2021, 11, 4034-4050.	2.1	8
74	Synthesis and Characterisation of Bridged Titanocene Oxido Complexes and Their Reactions with Water. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4068-4072.	1.0	7
75	In Situ Formation of a MoS ₂ -Based Inorganic-Organic Nanocomposite by Directed Thermal Decomposition. <i>Chemistry - A European Journal</i> , 2015, 21, 8918-8925.	1.7	7
76	Ball milling – a new concept for predicting degradation profiles in active pharmaceutical ingredients. <i>Chemical Communications</i> , 2021, 57, 11956-11959.	2.2	7
77	Molecular Catalysts for the Reductive Homocoupling of CO ₂ towards C ₂ + Compounds. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
78	A general benzylic C-H activation and C-C coupling reaction of zirconocenes mediated by C-N bond cleavage in <i>tert</i> -butylisocyanide – unusual formation of iminoacyl complexes. <i>Dalton Transactions</i> , 2019, 48, 16525-16533.	1.6	6
79	1-Zirconacyclobuta-2,3-dienes: synthesis of organometallic analogs of elusive 1,2-cyclobutadiene, unprecedented intramolecular C-H activation, and reactivity studies. <i>Chemical Science</i> , 2021, 12, 16074-16084.	3.7	6
80	Synthesis of Hafnacyclopentanes from Hafnocene Alkyne Complexes: Influence of Styrene Substituents on the C-C Coupling Regioselectivity. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1456-1459.	1.0	5
81	Halogen Bonding in Ring-Substituted Group 10 POCOP Iodido Complexes with Iodine and Its Possible Role in Oxidative Addition. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3913-3921.	1.0	5
82	Catalytic and mechanistic studies of a highly active and <i>E</i> -selective Co(<i>scp</i>) ₂ PNN ^H pincer catalyst system for transfer-semihydrogenation of internal alkynes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 761-770.	3.0	5
83	Iridium(<i>scp</i>) ₂ bis(thiophosphinite) pincer complexes: synthesis, ligand activation and applications in catalysis. <i>Dalton Transactions</i> , 2022, 51, 10266-10271.	1.6	3
84	Synthesis and Characterization of Dinuclear Allenediide Bridged Hafnocene(IV) Complexes. <i>Organometallics</i> , 2021, 40, 3177-3184.	1.1	2
85	{N,N-Bis[bis(2,2,2-trifluoroethoxy)phosphanyl]methylamine- η^2 P, η^2 }bis(η^5 -cyclopentadienyl)titanium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m346-m346.	0.2	1
86	Synthesis and coordination chemistry of the PPN ligand 2-[bis(diisopropylphosphanyl)methyl]-6-methylpyridine. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 917-922.	0.2	1
87	Cover Picture: Tandem Si-C and C-H Activation for Decamethylhafnocene and Bis(trimethylsilyl)acetylene (<i>Angew. Chem. Int. Ed.</i> 36/2007). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6741-6741.	7.2	0
88	Crystal structure of tricarbonyl(N-diphenylphosphanyl-N,N-diiisopropyl-P-phenylphosphonous) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 E: <i>Structure Reports Online</i> , 2014, 70, 533-535.	0.2	0
89	A 2-aza-3,4-diphospha-1,5-borabutadiene. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , .	0.6	0