

Priv-Doz&euroDr Torsten Beweries

List of Publications by Year in descending order

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89
papers

2,361
citations

186209

28
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254106

43
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96
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96
docs citations

96
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic and mechanistic studies of a highly active and <i>E</i> -selective Co(<i>ii</i>) PNN ^H pincer catalyst system for transfer-semihydrogenation of internal alkynes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 761-770.	3.0	5
2	Molecular Catalysts for the Reductive Homocoupling of CO ₂ towards C ₂₊ Compounds. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
3	Molecular Catalysts for the Reductive Homocoupling of CO ₂ towards C ₂₊ Compounds. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	38
4	Iridium(<i>iii</i>) bis(thiophosphinite) pincer complexes: synthesis, ligand activation and applications in catalysis. <i>Dalton Transactions</i> , 2022, 51, 10266-10271.	1.6	3
5	Dehydropolymerisation of methylamine borane using highly active rhodium(<i>iii</i>) bis(thiophosphinite) pincer complexes: catalytic and mechanistic insights. <i>Catalysis Science and Technology</i> , 2021, 11, 3514-3526.	2.1	8
6	Synthesis and Characterization of Dinuclear Allenediide Bridged Hafnocene(IV) Complexes. <i>Organometallics</i> , 2021, 40, 3177-3184.	1.1	2
7	Mechanistic insights into dehydrocoupling of amine boranes using dinuclear zirconocene complexes. <i>Catalysis Science and Technology</i> , 2021, 11, 4034-4050.	2.1	8
8	Reactivity of phosphaa€Wittig reagents towards NHCs and NHOs. <i>Dalton Transactions</i> , 2021, 50, 1838-1844.	1.6	28
9	Ball milling a€ a new concept for predicting degradation profiles in active pharmaceutical ingredients. <i>Chemical Communications</i> , 2021, 57, 11956-11959.	2.2	7
10	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
11	A Comparative Study on the Thermodynamics of Halogen Bonding of Groupa€10 Pincer Fluoride Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 3571-3577.	1.7	13
12	Erbium-Catalyzed Regioselective Isomerizationa€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
13	Homogeneous catalytic transfer semihydrogenation of alkynes a€ an overview of hydrogen sources, catalysts and reaction mechanisms. <i>Catalysis Science and Technology</i> , 2020, 10, 6449-6463.	2.1	40
14	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
15	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
16	Study of the Reactivity of the [(PE ¹ CE ² P)Ni(II)] (E ¹ , E ² =) Tj ETQq0 0 0 rgBT /Overl Complexes versus Ligand Decomposition by Pa€S Bond Activation. <i>Organometallics</i> , 2019, 38, 4508-4515.	1.1	8
17	1-Titanacyclobuta-2,3-diene a€ an elusive four-membered cyclic allene. <i>Chemical Science</i> , 2019, 10, 5319-5325.	3.7	26
18	Triazenido Complexes of Titanocene(III). <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1993-1998.	1.0	10

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19	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. Dalton Transactions, 2019, 48, 16525-16533.	1.6	6
20	Nickel(ii) PE1CE2P pincer complexes (E = O, S) for electrocatalytic proton reduction. Dalton Transactions, 2019, 48, 16322-16329.	1.6	19
21	Recent advances in transition metal catalysed dehydropolymerisation of amine boranes and phosphine boranes. Coordination Chemistry Reviews, 2019, 380, 260-286.	9.5	99
22	Visiting the Limits between a Highly Strained Zirconacyclobutadiene and Chemically Robust Dizirconacyclooctatetraene. Chemistry - A European Journal, 2018, 24, 5667-5674.	1.7	20
23	Synthesis of Symmetric and Nonsymmetric Ni ^{II} Thiophosphinito PECSP (E = S, O) Pincer Complexes and Their Applications in Kumada Coupling under Mild Conditions. European Journal of Inorganic Chemistry, 2018, 2018, 676-680.	1.0	20
24	Synthesis and characterisation of ring-substituted POCOP halide complexes of group 10 metals. Polyhedron, 2018, 143, 118-125.	1.0	14
25	Group 4 Metallocene Mediated Homo- and Heterocoupling of Heteroaromatic Nitriles. Organometallics, 2018, 37, 4415-4423.	1.1	15
26	Synthesis of Rh ^{III} thiophosphinito pincer hydrido complexes by base-free C-H bond activation at room temperature. Chemical Communications, 2018, 54, 6292-6295.	2.2	13
27	Halogen Bonding in Ring-Substituted Group 10 POCOP Iodido Complexes with Iodine and Its Possible Role in Oxidative Addition. European Journal of Inorganic Chemistry, 2018, 2018, 3913-3921.	1.0	5
28	Dehydropolymerisation of methylamine borane using a dinuclear 1,3-allenediyl bridged zirconocene complex. Dalton Transactions, 2018, 47, 12858-12862.	1.6	31
29	Redox-Disproportionation of a Decamethyltitanocene(III) Isonitrile Alkynyl Complex. Chemistry - A European Journal, 2017, 23, 7891-7895.	1.7	14
30	Formation of high-molecular weight polyaminoborane by Fe hydride catalysed dehydrocoupling of methylamine borane. Dalton Transactions, 2017, 46, 6843-6847.	1.6	52
31	Titanocene Silylpropyne Complexes: Promising Intermediates en route to a Four-Membered Metallacyclobutadiene?. Chemistry - A European Journal, 2017, 23, 14158-14162.	1.7	9
32	Synthesis, Characterisation and Hydrogen Bonding of Isostructural Group 10 Metal Halido Complexes Bearing a POCOP Ligand. European Journal of Inorganic Chemistry, 2017, 2017, 3815-3822.	1.0	25
33	Photophysics of BODIPY Dyes as Readily-Designable Photosensitisers in Light-Driven Proton Reduction. Inorganics, 2017, 5, 21.	1.2	25
34	Synthesis and coordination chemistry of the PPN ligand 2-[bis(diisopropylphosphanyl)methyl]-6-methylpyridine. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 917-922.	0.2	1
35	Iridium ^{III} hydrido complexes for the catalytic dehydrogenation of hydrazine borane. Dalton Transactions, 2016, 45, 17697-17704.	1.6	14
36	Design of BODIPY Dyes as Photosensitisers in Multicomponent Catalyst Systems for Light-Driven Hydrogen Production. Chemistry - A European Journal, 2015, 21, 13549-13552.	1.7	21

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37	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
38	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
39	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
40	Titanocene(<i>ansa</i>) complexes with 2-phosphinoaryloxy ligands for the catalytic dehydrogenation of dimethylamine borane. <i>Dalton Transactions</i> , 2015, 44, 12103-12111.	1.6	25
41	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
42	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
43	Organometallic water splitting – from coordination chemistry to catalysis. <i>Reviews in Inorganic Chemistry</i> , 2014, 34, 177-198.	1.8	11
44	Crystal structure of tricarbonyl(N-diphenylphosphanyl-N,N'-diisopropyl-P-phenylphosphonous) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 E: <i>Structure Reports Online</i> , 2014, 70, 533-535.	0.2	0
45	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
46	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
47	Recent advances in the chemistry of heterometallacycles of group 4 metallocenes. <i>Catalysis Science and Technology</i> , 2013, 3, 18-28.	2.1	61
48	Group 4 metallocene catalysed full dehydrogenation of hydrazine borane. <i>Dalton Transactions</i> , 2013, 42, 14668.	1.6	37
49	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
50	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
51	Breaking the rules. <i>Nature Chemistry</i> , 2013, 5, 649-650.	6.6	40
52	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
53	{N,N-Bis[bis(2,2,2-trifluoroethoxy)phosphanyl]methylamine- η^2 P ₂ }-bis(η^5 -cyclopentadienyl)titanium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m346-m346.	0.2	1
54	Reactions of Titanocene Bis(trimethylsilyl)acetylene Complexes with Carbodiimides: An Experimental and Theoretical Study of Complexation versus C-N Bond Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 15979-15991.	6.6	42

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55	Synthesis and Characterization of Multiferrocenyl-Substituted Group-4 Metallocene Complexes. Chemistry - A European Journal, 2012, 18, 12672-12680.	1.7	51
56	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. European Journal of Inorganic Chemistry, 2012, 2012, 3388-3393.	1.0	8
57	Theoretical Evidence of the Stabilization of an Unusual Four-Membered Metallacycloallene by a Transition-Metal Fragment. Angewandte Chemie - International Edition, 2012, 51, 5347-5350.	7.2	36
58	Photoassisted Ti(IV)-O Activation in a Decamethyltitanocene Dihydroxido Complex: Insights into the Elemental Steps of Water Splitting. Angewandte Chemie - International Edition, 2012, 51, 6272-6275.	7.2	32
59	Highly Strained Heterometallacycles of Group-4 Metallocenes with Bis(diphenylphosphino)amide Ligands. Chemistry - A European Journal, 2012, 18, 10546-10553.	1.7	18
60	An Intermolecular Heterobimetallic system for Photocatalytic Water Reduction. ChemSusChem, 2012, 5, 656-660.	3.6	17
61	Peculiarities of Vibrational Spectra and Electronic Structure of the Five-Membered Metallacyclocumulenes of the Group 4 Metals. European Journal of Inorganic Chemistry, 2012, 2012, 922-928.	1.0	14
62	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 . European Journal of Inorganic Chemistry, 2012, 2012, 611-617.	1.0	20
63	Catalytic dehydrogenation of dimethylamine borane by group 4 metallocene alkyne complexes and homoleptic amido compounds. Dalton Transactions, 2011, 40, 7689.	1.6	53
64	Theoretical Studies on the Structure and Bonding of Metallacyclocumulenes, -cyclopentynes, and -cycloallenes. Organometallics, 2011, 30, 2670-2679.	1.1	40
65	Reactions of Five-Membered Metallacyclocumulenes Cp ₂ M(μ ⁴ -t-Bu-C ₄ -t-Bu) (M = Ti, Zr) with Diisobutylaluminum Hydride. Organometallics, 2011, 30, 1157-1161.	1.1	21
66	Reactions of Group 4 Metallocene Alkyne Complexes with Carbodiimides: Experimental and Theoretical Studies of the Structure and Bonding of Five-Membered Hetero-Metallacycloallenes. Journal of the American Chemical Society, 2011, 133, 5463-5473.	6.6	66
67	[P(μ ₄ -NTer)] ₂ : A Biradicaloid That Is Stable at High Temperature. Angewandte Chemie - International Edition, 2011, 50, 8974-8978.	7.2	152
68	Catalytic and Kinetic Studies of the Dehydrogenation of Dimethylamine Borane with an <i>i</i> -Pr Substituted Titanocene Catalyst. ChemCatChem, 2011, 3, 1865-1868.	1.8	40
69	Energetics of Halogen Bonding of Group 10 Metal Fluoride Complexes. Journal of the American Chemical Society, 2011, 133, 14338-14348.	6.6	64
70	Synthesis of Cp* ₂ Ti(OTf) and Its Reaction with Water. European Journal of Inorganic Chemistry, 2011, 2011, 627-631.	1.0	35
71	[Cp ₂ Ti ^{III} (NCy) ₂ Ci ₂ Ti ^{III} Cp ₂]: A Transient Titanocene Carbene Complex?. Angewandte Chemie - International Edition, 2010, 49, 9282-9285.	7.2	35
72	Kinetic and mechanistic investigations in homogeneous catalysis using operando UV/vis spectroscopy. Catalysis Today, 2010, 155, 282-288.	2.2	14

