

Priv-Doz𠫍r Crispin Lichtenberg

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Two Faces of the Bi~O Bond: Photochemically <i>and</i> Thermally Induced Dehydrocoupling for Si~O Bond Formation. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	15
2	Between imide, imidyl and nitrene â€“ an imido iron complex in two oxidation states. <i>Chemical Science</i> , 2022, 13, 7907-7913.	3.7	15
3	Bismutamide als einfache Vermittler hochselektiver Pn~Pn~Radikal~Kupplungsreaktionen (Pn=N, P, As). <i>Angewandte Chemie</i> , 2021, 133, 6513-6518.	1.6	7
4	Bismuth Amides Mediate Facile and Highly Selective Pn~Pn Radical~Coupling Reactions (Pn=N, P, As). <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6441-6445.	7.2	36
5	Cationic Bismuth Aminotroponiminates: Charge Controls Redox Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 6230-6239.	1.7	19
6	Bismuth Atoms in Hydrocarbon Ligands: Bismepines as Rigid, Ditopic Arene Donors in Coordination Chemistry. <i>Organometallics</i> , 2021, 40, 832-837.	1.1	8
7	Aminotroponiminates: Impact of the NO ₂ Functional Group on Coordination, Isomerisation, and Backbone Substitution. <i>Chemistry - A European Journal</i> , 2021, 27, 14250-14262.	1.7	4
8	Das Dimethylbismut~Kation: Zugang zu dativen Bi~Bi~Bindungen und unkonventionellem Methylaustausch. <i>Angewandte Chemie</i> , 2021, 133, 24592-24598.	1.6	4
9	The Dimethylbismuth Cation: Entry Into Dative Bi~Bi Bonding and Unconventional Methyl Exchange. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24388-24394.	7.2	19
10	Synthesis and characterisation of boranediyl- and diboranediyl-bridged diplatinum A-frame complexes. <i>Dalton Transactions</i> , 2021, 50, 3506-3515.	1.6	3
11	Bismuth species in the coordination sphere of transition metals: synthesis, bonding, coordination chemistry, and reactivity of molecular complexes. <i>Dalton Transactions</i> , 2021, 50, 7120-7138.	1.6	12
12	Molecular bismuth(<sc>iii</sc>) monocations: structure, bonding, reactivity, and catalysis. <i>Chemical Communications</i> , 2021, 57, 4483-4495.	2.2	51
13	Frontispiz: Das Dimethylbismut~Kation: Zugang zu dativen Bi~Bi~Bindungen und unkonventionellem Methylaustausch. <i>Angewandte Chemie</i> , 2021, 133, .	1.6	0
14	Frontispiece: The Dimethylbismuth Cation: Entry Into Dative Bi~Bi Bonding and Unconventional Methyl Exchange. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	7.2	0
15	CH Activation of Cationic Bismuth Amides: Heteroaromaticity, Derivatization, and Lewis Acidity. <i>Inorganic Chemistry</i> , 2021, 60, 19086-19097.	1.9	17
16	Neutral and Cationic Bismuth Compounds: Structure, Heteroaromaticity, and Lewis Acidity of Bismepines. <i>Inorganic Chemistry</i> , 2020, 59, 3367-3376.	1.9	55
17	Frontispiece: Main~Group Metal Complexes in Selective Bond Formations Through Radical Pathways. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0
18	Salicylaldimines: Formation via Ring Contraction and Synthesis of Mono- and Heterobimetallic Alkali Metal Heterocubanes. <i>Inorganic Chemistry</i> , 2020, 59, 17678-17688.	1.9	3

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19	Molecular Bismuth Cations: Assessment of Soft Lewis Acidity. Chemistry - A European Journal, 2020, 26, 10250-10258.	1.7	52
20	Methylbismuth: an organometallic bismuthinidene biradical. Chemical Science, 2020, 11, 7562-7568.	3.7	46
21	Combined experimental and theoretical studies towards mutual osmiumâ€“bismuth donor/acceptor bonding. Dalton Transactions, 2020, 49, 9024-9034.	1.6	17
22	Wellâ€“Defined, Molecular Bismuth Compounds: Catalysts in Photochemically Induced Radical Dehydrocoupling Reactions. Chemistry - A European Journal, 2020, 26, 14551-14555.	1.7	43
23	Mainâ€“Group Metal Complexes in Selective Bond Formations Through Radical Pathways. Chemistry - A European Journal, 2020, 26, 9674-9687.	1.7	37
24	Dimerization of 2-[(2-((2-aminophenyl)thio)phenyl)amino]-cyclohepta-2,4,6-trien-1-one through hydrogen bonding, C₁₉H₁₆N₂OS. Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 963-966.	0.1	1
25	Bismutverbindungen in der Radikalkatalyse: Ãœbergangsmetallbismutane ermÃ¶glichen thermisch induzierte Cycloisomerisierungen. Angewandte Chemie, 2019, 131, 13056-13062.	1.6	9
26	Alkaliâ€“Metal Aminotroponiminates: Selectivities and Equilibria in Reversible Radical Coupling of Delocalized Î€â€“Electron Systems. Chemistry - A European Journal, 2019, 25, 11883-11891.	1.7	11
27	Bismuth Compounds in Radical Catalysis: Transition Metal Bismuthanes Facilitate Thermally Induced Cycloisomerizations. Angewandte Chemie - International Edition, 2019, 58, 12924-12929.	7.2	47
28	Mein Lieblingselement: Bismut. Nachrichten Aus Der Chemie, 2019, 67, 61-65.	0.0	2
29	Carbon monoxide insertion at a heavy p-block element: unprecedented formation of a cationic bismuth carbamoyl. Chemical Science, 2019, 10, 4169-4176.	3.7	59
30	Doppelte CHâ€“Aktivierung eines maskierten Bismutamidâ€“Kations. Angewandte Chemie, 2018, 130, 3887-3891.	1.6	25
31	Double CH Activation of a Masked Cationic Bismuth Amide. Angewandte Chemie - International Edition, 2018, 57, 3825-3829.	7.2	66
32	Aminotroponiminates: ligand-centred, reversible redox events under oxidative conditions in sodium and bismuth complexes. Dalton Transactions, 2018, 47, 10578-10589.	1.6	21
33	Cationic Bismuth Compounds in Organic Synthesis and Catalysis: New Prospects for CH Activation. Synlett, 2018, 29, 2213-2217.	1.0	24
34	New Perspectives for Aminotroponiminates: Coordination Chemistry, Redox Behavior, Cooperativity, and Catalysis. European Journal of Inorganic Chemistry, 2018, 2018, 3361-3373.	1.0	18
35	Rationalizing the Effect of Ligand Substitution Patterns on Coordination and Reactivity of Alkali Metal Aminotroponiminates. Organometallics, 2018, 37, 1781-1787.	1.1	9
36	Sodium Aminotroponiminates: Ligandâ€“Induced Disproportionation, Mixedâ€“Metal Compounds, and Exceptional Activity in Polymerization Catalysis. ChemCatChem, 2018, 10, 4018-4027.	1.8	15

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37	Regionaltreffen der FCI-Stipendiaten in Frankfurt. Nachrichten Aus Der Chemie, 2018, 66, 557-557.	0.0	0
38	Dibora[2]ferrocenophan: ein carbenstabilisiertes Diboren in einer gespannten <i>cis</i> -Konfiguration. Angewandte Chemie, 2017, 129, 907-911.	1.6	25
39	Dibora[2]ferrocenophane: A Carbene-Stabilized Diborene in a Strained <i>cis</i> -Konfiguration. Angewandte Chemie - International Edition, 2017, 56, 889-892.	7.2	50
40	20. Steinheimer Gespräche - diesmal in Wiesbaden. Nachrichten Aus Der Chemie, 2017, 65, 939-939.	0.0	0
41	Cationic Bismuth Amides: Accessibility, Structure, and Reactivity. Chemistry - A European Journal, 2016, 22, 18465-18475.	1.7	36
42	Aminotroponimines as tunable, redox-active ligands: reversible single electron transfer and reductive dimerisation. Chemical Communications, 2016, 52, 10044-10047.	2.2	20
43	Well-Defined, Mononuclear Bi ^I and Bi ^{II} Compounds: Towards Transition-Metal-Like Behavior. Angewandte Chemie - International Edition, 2016, 55, 484-486.	7.2	46
44	Aminotroponimines: Alkali Metal Compounds Reveal Unprecedented Coordination Modes. Organometallics, 2016, 35, 894-902.	1.1	26
45	A Low-Valent Iron Imido Heterocubane Cluster: Reversible Electron Transfer and Catalysis of Selective C-C Couplings. Angewandte Chemie - International Edition, 2015, 54, 13012-13017.	7.2	10
46	Reactivity of an All-Ferrous Iron-Nitrogen Heterocubane under Reductive and Oxidative Conditions. Chemistry - A European Journal, 2015, 21, 15797-15805.	1.7	4
47	Mono- and Dinuclear Neutral and Cationic Iron(II) Compounds Supported by an Amidinato-diolefin Ligand: Characterization and Catalytic Application. Organometallics, 2015, 34, 3079-3089.	1.1	23
48	Low-Valent Iron(I) Amido Olefin Complexes as Promoters for Dehydrogenation Reactions. Angewandte Chemie - International Edition, 2015, 54, 5766-5771.	7.2	63
49	Low-valent iron: an Fe(σ) ⁺ ate compound as a building block for a linear trinuclear Fe cluster. Chemical Communications, 2015, 51, 13890-13893.	2.2	20
50	Low-Valent Iron Mono-Diazadiene Compounds: Electronic Structure and Catalytic Application. ACS Catalysis, 2015, 5, 6230-6240.	5.5	48
51	Diolefins with an ether/thioether functionality as ligands in the coordination sphere of Ni and Rh. Dalton Transactions, 2015, 44, 20056-20066.	1.6	4
52	Deprotonated P-ylides As Templates for Novel Cyclopentadienyl Phosphonioalkyl, -alkylidene, and -alkylidyne (CpPC) Constrained-Geometry Complexes. Organometallics, 2013, 32, 5082-5091.	1.1	22
53	Cationic, Neutral, and Anionic Allyl Magnesium Compounds: Unprecedented Ligand Conformations and Reactivity Toward Unsaturated Hydrocarbons. Journal of the American Chemical Society, 2013, 135, 811-821.	6.6	32
54	Structurally Defined Allyl Compounds of Main Group Metals: Coordination and Reactivity. Angewandte Chemie - International Edition, 2013, 52, 5228-5246.	7.2	37

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55	The Bis(allyl)bismuth Cation: A Reagent for Direct Allyl Transfer by Lewis Acid Activation and Controlled Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13011-13015.	7.2	67
56	Bis(allyl)gallium Cation, Tris(allyl)gallium, and Tetrakis(allyl)gallate: Synthesis, Characterization, and Reactivity. <i>Inorganic Chemistry</i> , 2012, 51, 2254-2262.	1.9	26
57	Bis(allyl)zinc Revisited: Sigma versus Pi Bonding of Allyl Coordination. <i>Journal of the American Chemical Society</i> , 2012, 134, 9805-9811.	6.6	30
58	New Lithium Phosphonium Diylides: A Methylene and a Cyclopentadienyl Moiety as Ylidic Coordination Sites. <i>Organometallics</i> , 2012, 31, 4259-4266.	1.1	18
59	Dimerization of the Allylzinc Cation: Selective Coupling of Allyl Anions in a Metalloene Reaction. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8101-8105.	7.2	11
60	Reversible 1,4-Insertion of Pyridine Into a Highly Polar Metal-Carbon Bond: Effect of the Second Metal. <i>Chemistry - A European Journal</i> , 2012, 18, 6448-6452.	1.7	14
61	Reactivity of Tris(allyl)aluminum toward Pyridine: Coordination versus Carbometalation. <i>Organometallics</i> , 2011, 30, 4409-4417.	1.1	18
62	The Allylcalcium Monocation: A Bridging Allyl Ligand with a Non-Bent Coordination Geometry. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5753-5756.	7.2	43
63	Unexpected Oxidative Dimerisations of a Cyclopentadienylphosphane - Formation of Unprecedented, Structurally Remarkable Phosphacyclic Compounds. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3117-3124.	1.0	3
64	Investigation of novel and reinvestigation of known cyclopentadienylphosphanes: News on [1,5] sigmatropic rearrangements. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2000-2006.	0.8	5
65	Bis(allyl)aluminum Cation, Tris(allyl)aluminum, and Tetrakis(allyl)aluminate: Synthesis, Characterization, and Reactivity. <i>Organometallics</i> , 2010, 29, 5714-5721.	1.1	33
66	World-Changing Moments in Your Own Research. <i>ChemistryViews</i> , 0, , .	0.0	0
67	Sulfinyl-aminotroponimines: alkali- (Li, Na, K) and heavy-metal (Bi) complexes. <i>Dalton Transactions</i> , 0, , .	1.6	2