Matthias Driess

List of Publications by Year
in descending order

151 papers	7,614 citations	50566 48 h-index	73587 79 g-index
156 all docs	156 docs citations	156 times ranked	6384 citing authors

#	Article	IF	Citations
1	Deoxygenation of Nitrous Oxide and Nitro Compounds Using Bis(Nâ€Heterocyclic Silylene)Amido Iron Complexes as Catalysts. Angewandte Chemie - International Edition, 2022, 61, .	7.2	17
2	A Genuine Stannylone with a Monoatomic Twoâ€Coordinate Tin(0) Atom Supported by a Bis(silylene) Ligand. Angewandte Chemie - International Edition, 2022, 61, .	7.2	23
3	A Genuine Stannylone with a Monoatomic Twoâ€Coordinate Tin(0) Atom Supported by a Bis(silylene) Ligand. Angewandte Chemie, 2022, 134, .	1.6	6
4	The Pivotal Role of sâ€, pâ€, and fâ€Block Metals in Water Electrolysis: Status Quo and Perspectives. Advanced Materials, 2022, 34, e2108432.	11.1	55
5	An Intermetallic CaFe₆Ge₆ Approach to Unprecedented Caâˆ’Feâˆ’O Electrocatalyst for Efficient Alkaline Oxygen Evolution Reaction. ChemCatChem, 2022, 14, .	1.8	10
6	Unexpected White Phosphorus (P₄) Activation Modes with Silyleneâ€Substituted<i>o</i>â€Carboranes and Access to an Isolable 1,3â€Diphosphaâ€2,4â€disilabutadiene. Angewandte Chemie, 2022, 134, .	1.6	6
7	Unexpected White Phosphorus (P₄) Activation Modes with Silyleneâ€Substituted<i>o</i>â€Carboranes and Access to an Isolable 1,3â€Diphosphaâ€2,4â€disilabutadiene. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21
8	Nanostructured Intermetallic Nickel Silicide (Pre)Catalyst for Anodic Oxygen Evolution Reaction and Selective Dehydrogenation of Primary Amines. Advanced Energy Materials, 2022, 12, .	10.2	42
9	A bis(silylene)pyridine pincer ligand can stabilize mononuclear manganese(0) complexes: facile access to isolable analogues of the elusive d⁷-Mn(CO)₅radical. Chemical Science, 2022, 13, 8634-8641.	3.7	8
10	Front Cover: An Intermetallic CaFe₆Ge₆ Approach to Unprecedented Caâˆ’Feâˆ’O Electrocatalyst for Efficient Alkaline Oxygen Evolution Reaction (ChemCatChem 14/2022). ChemCatChem, 2022, 14, .	1.8	0
11	Facile Access to an Active Î³â€NiOOH Electrocatalyst for Durable Water Oxidation Derived From an Intermetallic Nickel Germanide Precursor. Angewandte Chemie - International Edition, 2021, 60, 4640-4647.	7.2	119
12	Promoting Photocatalytic Hydrogen Evolution Activity of Graphitic Carbon Nitride with Holeâ€Transfer Agents. ChemSusChem, 2021, 14, 306-312.	3.6	17
13	Facile Access to an Active Î³â€NiOOH Electrocatalyst for Durable Water Oxidation Derived From an Intermetallic Nickel Germanide Precursor. Angewandte Chemie, 2021, 133, 4690-4697.	1.6	23
14	Synthesis and Coordination Ability of a Donorâ€Stabilised Bisâ€Phosphinidene. Chemistry - A European Journal, 2021, 27, 2476-2482.	1.7	10
15	Is direct seawater splitting economically meaningful?. Energy and Environmental Science, 2021, 14, 3679-3685.	15.6	158
16	Entering new chemical space with isolable complexes of single, zero-valent silicon and germanium atoms. Chemical Communications, 2021, 57, 10139-10153.	2.2	36
17	Perspective on intermetallics towards efficient electrocatalytic water-splitting. Chemical Science, 2021, 12, 8603-8631.	3.7	74
18	Intermetallic Fe₆Ge₅ formation and decay of a coreâ€"shell structure during the oxygen evolution reaction. Chemical Communications, 2021, 57, 2184-2187.	2.2	25

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19	Combination of Highly Efficient Electrocatalytic Water Oxidation with Selective Oxygenation of Organic Substrates using Manganese Borophosphates. Advanced Materials, 2021, 33, e2004098.	11.1	52
20	Strategies and Perspectives to Catch the Missing Pieces in Energyâ€Efficient Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie - International Edition, 2021, 60, 18981-19006.	7.2	239
21	Toolbox for atomic layer deposition process development on high surface area powders. Review of Scientific Instruments, 2021, 92, 025115.	0.6	5
22	Strategies and Perspectives to Catch the Missing Pieces in Energyâ€Efficient Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie, 2021, 133, 19129-19154.	1.6	13
23	Tuning the Rhâ€"FeO_{<i>x</i>} Interface in Ethanol Synthesis through Formation Phase Studies at High Pressures of Synthesis Gas. ACS Catalysis, 2021, 11, 4047-4060.	5.5	17
24	New Types of Ge₂ and Ge₄ Assemblies Stabilized by a Carbanionic Dicarborandiyl-Silylene Ligand. Journal of the American Chemical Society, 2021, 143, 6229-6237.	6.6	26
25	Well-Defined, Silica-Supported Homobimetallic Nickel Hydride Hydrogenation Catalyst. Inorganic Chemistry, 2021, 60, 5483-5487.	1.9	3
26	Silicon Tetrakis(trifluoromethanesulfonate): A Simple Neutral Silane Acting as a Soft and Hard Lewis Superacid. Angewandte Chemie - International Edition, 2021, 60, 13656-13660.	7.2	14
27	Siliciumtetrakis(trifluormethansulfonat): Ein einfaches, neutrales Silan als weiche und harte Lewisâ€Supersäure. Angewandte Chemie, 2021, 133, 13769-13773.	1.6	5
28	Evolving Highly Active Oxidic Iron(III) Phase from Corrosion of Intermetallic Iron Silicide to Master Efficient Electrocatalytic Water Oxidation and Selective Oxygenation of 5â€Hydroxymethylfurfural. Advanced Materials, 2021, 33, e2008823.	11.1	91
29	Phosphorus and Arsenic Atom Transfer to Isocyanides to Form Ï€â€Backbonding Cyanophosphide and Cyanoarsenide Titanium Complexes. Angewandte Chemie - International Edition, 2021, 60, 17595-17600.	7.2	11
30	Phosphorus and Arsenic Atom Transfer to Isocyanides to Form Ï€â€Backbonding Cyanophosphide and Cyanoarsenide Titanium Complexes. Angewandte Chemie, 2021, 133, 17736-17741.	1.6	6
31	Changing the Reactivity of Zeroâ€•and Monoâ€Valent Germanium with a Redox Nonâ€Innocent Bis(silylenyl)carborane Ligand. Angewandte Chemie, 2021, 133, 14990-14994.	1.6	14
32	Changing the Reactivity of Zeroâ€•and Monoâ€Valent Germanium with a Redox Nonâ€Innocent Bis(silylenyl)carborane Ligand. Angewandte Chemie - International Edition, 2021, 60, 14864-14868.	7.2	38
33	In Situ Formed â€œSn_{1â€"}<i>_X</i>In<i>_X</i>@In_{1â€"}<i>_Y</i>Sn<i>_Y</ Core@Shell Nanoparticles as Electrocatalysts for CO₂ Reduction to Formate. Advanced Functional Materials, 2021, 31, 2103601.	7.8	32
34	Selfâ€Supported Electrocatalysts for Practical Water Electrolysis. Advanced Energy Materials, 2021, 11, 2102074.	10.2	161
35	Distinctly different reactivity of bis(silylenyl)-<i>versus</i> phosphanyl-silylenyl-substituted <i>o</i>-dicarborane towards O₂, N₂O and CO₂. Chemical Communications, 2021, 57, 5965-5968.	2.2	16
36	Boosting homogeneous chemoselective hydrogenation of olefins mediated by a bis(silylenyl)terphenyl-nickel(0) pre-catalyst. Chemical Science, 2021, 12, 2909-2915.	3.7	18

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37	Gottfried Huttner (1937â€"2021): Intellektueller Handwerker, Sinnstifter und Generalist. Angewandte Chemie, 2021, 133, 25811-25812.	1.6	0
38	A Striking Mode of Activation of Carbon Disulfide with a Cooperative Bis(silylene). Angewandte Chemie - International Edition, 2021, , .	7.2	9
39	Stannites â€" A New Promising Class of Durable Electrocatalysts for Efficient Water Oxidation. ChemCatChem, 2020, 12, 1161-1168.	1.8	18
40	Homocoupling of CO and isocyanide mediated by a <i>C</i>,<i>C</i>â€²-bis(silylenyl)-substituted <i>ortho</i>-carborane. Chemical Communications, 2020, 56, 747-750.	2.2	53
41	Detecting structural transformation of cobalt phosphonate to active bifunctional catalysts for electrochemical water-splitting. Journal of Materials Chemistry A, 2020, 8, 2637-2643.	5.2	80
42	Improved chemical water oxidation with Zn in the tetrahedral site of spinel-type ZnCo2O4 nanostructure. Materials Today Chemistry, 2020, 15, 100226.	1.7	19
43	Cycloaddition Chemistry of a Silyleneâ€Nickel Complex toward Organic Ï€â€Systems: From Reversibility to Câˆ'H Activation. Chemistry - A European Journal, 2020, 26, 1958-1962.	1.7	15
44	Isolable Dibenzo[<i>a,e</i>]disilapentalene with a Dichotomic Reactivity toward CO₂. Journal of the American Chemical Society, 2020, 142, 16935-16941.	6.6	13
45	Mechanistic studies of atomic layer deposition on oxidation catalysts â€" AlO_x and PO_x deposition. Physical Chemistry Chemical Physics, 2020, 22, 17999-18006.	1.3	8
46	Beyond CO2 Reduction: Vistas on Electrochemical Reduction of Heavy Non-metal Oxides with Very Strong Eâ€"O Bonds (E = Si, P, S). Journal of the American Chemical Society, 2020, 142, 14772-14788.	6.6	22
47	Understanding the formation of bulk- and surface-active layered (oxy)hydroxides for water oxidation starting from a cobalt selenite precursor. Energy and Environmental Science, 2020, 13, 3607-3619.	15.6	77
48	Bis(silylene)â€Stabilized Monovalent Nitrogen Complexes. Angewandte Chemie - International Edition, 2020, 59, 22043-22047.	7.2	31
49	Bis(silylene)â€Stabilized Monovalent Nitrogen Complexes. Angewandte Chemie, 2020, 132, 22227-22231.	1.6	9
50	Isolable Siliconâ€Based Polycations with Lewis Superacidity. Angewandte Chemie - International Edition, 2020, 59, 23132-23136.	7.2	16
51	Isolierbare Siliciumâ€basierte Polykationen mit Lewisâ€SuperaciditÃt. Angewandte Chemie, 2020, 132, 23332-23336.	1.6	6
52	A bis(silylene)-stabilized diphosphorus compound and its reactivity as a monophosphorus anion transfer reagent. Nature Chemistry, 2020, 12, 801-807.	6.6	52
53	Where silyleneâ€"silicon centres matter in the activation of small molecules. Chemical Society Reviews, 2020, 49, 6733-6754.	18.7	137
54	A soft molecular 2Feâ€"2As precursor approach to the synthesis of nanostructured FeAs for efficient electrocatalytic water oxidation. Chemical Science, 2020, 11, 11834-11842.	3.7	30

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55	Enabling Ironâ€Based Highly Effective Electrochemical Waterâ€Splitting and Selective Oxygenation of Organic Substrates through In Situ Surface Modification of Intermetallic Iron Stannide Precatalyst. Advanced Energy Materials, 2020, 10, 2001377.	10.2	96
56	Crystalline Copper Selenide as a Reliable Nonâ€Noble Electro(pre)catalyst for Overall Water Splitting. ChemSusChem, 2020, 13, 3222-3229.	3.6	85
57	Immobilization of an Iridium Pincer Complex in a Microporous Polymer for Application in Roomâ€Temperature Gas Phase Catalysis. Angewandte Chemie, 2020, 132, 20002-20006.	1.6	3
58	Immobilization of an Iridium Pincer Complex in a Microporous Polymer for Application in Roomâ€Temperature Gas Phase Catalysis. Angewandte Chemie - International Edition, 2020, 59, 19830-19834.	7.2	8
59	Redox Noninnocent Monoatomic Silicon(0) Complex (â€œSilyloneâ€): Its One-Electron-Reduction Induces an Intramolecular One-Electron-Oxidation of Silicon(0) to Silicon(I). Journal of the American Chemical Society, 2020, 142, 12608-12612.	6.6	63
60	A Lowâ€Temperature Molecular Precursor Approach to Copperâ€Based Nanoâ€Sized <i>Digenite</i> Mineral for Efficient Electrocatalytic Oxygen Evolution Reaction. Chemistry - an Asian Journal, 2020, 15, 852-859.	1.7	32
61	Isolable cyclic radical cations of heavy main-group elements. Chemical Communications, 2020, 56, 2167-2170.	2.2	21
62	A Systems Approach to a Oneâ€Pot Electrochemical Wittig Olefination Avoiding the Use of Chemical Reductant or Sacrificial Electrode. Chemistry - A European Journal, 2020, 26, 11829-11834.	1.7	18
63	An Isolable Bis(Silanoneâ€"Borane) Adduct. Chemistry - A European Journal, 2020, 26, 4500-4504.	1.7	20
64	Boosting Electrocatalytic Hydrogen Evolution Activity with a NiPt₃@NiS Heteronanostructure Evolved from a Molecular Nickelâ€"Platinum Precursor. Journal of the American Chemical Society, 2019, 141, 13306-13310.	6.6	119
65	Siliconâ€Mediated Coupling of Carbon Monoxide, Ammonia, and Primary Amines to Form Acetamides. Angewandte Chemie, 2019, 131, 13074-13078.	1.6	6
66	Synthesis of an Isolable Bis(silylene)-Stabilized Silylone and Its Reactivity Toward Small Gaseous Molecules. Journal of the American Chemical Society, 2019, 141, 12916-12927.	6.6	67
67	Steigerung der Wasseroxidation durch Inâ€situâ€Elektrokonversion eines Mangangallids: Ein intermetallischer VorlÃ¤uferansatz. Angewandte Chemie, 2019, 131, 16722-16727.	1.6	13
68	Boosting Water Oxidation through In Situ Electroconversion of Manganese Gallide: An Intermetallic Precursor Approach. Angewandte Chemie - International Edition, 2019, 58, 16569-16574.	7.2	60
69	From As â€Zincoarsasilene (LZnâ€As=SiLâ€²) to Arsaethynolato (Asâ‰¡Câ€"O) and Arsaketenylido (O=C=As) Zinc Complexes. Angewandte Chemie, 2019, 131, 3420-3424.	1.6	0
70	Versatile Tautomerization of EH₂-Substituted Silylenes (E = N, P, As) in the Coordination Sphere of Nickel. Journal of the American Chemical Society, 2019, 141, 3304-3314.	6.6	20
71	A Cobaltâ€Based Amorphous Bifunctional Electrocatalysts for Waterâ€Splitting Evolved from a Singleâ€Source Lazulite Cobalt Phosphate. Advanced Functional Materials, 2019, 29, 1808632.	7.8	157
72	Siliconâ€Mediated Coupling of Carbon Monoxide, Ammonia, and Primary Amines to Form Acetamides. Angewandte Chemie - International Edition, 2019, 58, 12940-12944.	7.2	17

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73	Amorphous outperforms crystalline nanomaterials: surface modifications of molecularly derived CoP electro(pre)catalysts for efficient water-splitting. Journal of Materials Chemistry A, 2019, 7, 15749-15756.	5.2	113
74	In Situ Formation of Nanostructured Coreâ€“Shell Cu₃Nâ€“CuO to Promote Alkaline Water Electrolysis. ACS Energy Letters, 2019, 4, 747-754.	8.8	172
75	A Tetra-amido-Protected Ge₅-Spiropentadiene. Journal of the American Chemical Society, 2019, 141, 19252-19256.	6.6	9
76	From <i>As</i>â€Zincoarsasilene (LZnâ€As=SiLâ€²) to Arsaethynolato (Asâ‰¡Câˆ’O) and Arsaketenylido (O=C=As) Zinc Complexes. Angewandte Chemie - International Edition, 2019, 58, 3382-3386.	7.2	2
77	Helical cobalt borophosphates to master durable overall water-splitting. Energy and Environmental Science, 2019, 12, 988-999.	15.6	179
78	Isolable Silylene Ligands Can Boost Efficiencies and Selectivities in Metalâ€Mediated Catalysis. Angewandte Chemie, 2019, 131, 3753-3766.	1.6	36
79	Isolable Silylene Ligands Can Boost Efficiencies and Selectivities in Metalâ€Mediated Catalysis. Angewandte Chemie - International Edition, 2019, 58, 3715-3728.	7.2	125
80	From a Molecular Singleâ€Source Precursor to a Selective Highâ€Performance RhMnO_x Catalyst for the Conversion of Syngas to Ethanol. ChemCatChem, 2019, 11, 885-892.	1.8	14
81	Silicon-Mediated Selective Homo- and Heterocoupling of Carbon Monoxide. Journal of the American Chemical Society, 2019, 141, 626-634.	6.6	94
82	An Isolable Bis(silylene)-Stabilized Germylone and Its Reactivity. Journal of the American Chemical Society, 2019, 141, 1655-1664.	6.6	69
83	Selective Oxidation of <i>n</i>-Butane over Vanadium Phosphate Based Catalysts: Reaction Network and Kinetic Analysis. Industrial & Engineering Chemistry Research, 2019, 58, 2492-2502.	1.8	23
84	A structurally versatile nickel phosphite acting as a robust bifunctional electrocatalyst for overall water splitting. Energy and Environmental Science, 2018, 11, 1287-1298.	15.6	205
85	Stereoselective Transfer Semi-Hydrogenation of Alkynes to E -Olefins with N -Heterocyclic Silylene-Manganese Catalysts. Chemistry - A European Journal, 2018, 24, 4740-4740.	1.7	2
86	From zinco(<scp>ii</scp>) arsaketenes to silylene-stabilised zinco arsinidene complexes. Chemical Communications, 2018, 54, 6124-6127.	2.2	15
87	Low-valent group 14 element hydride chemistry: towards catalysis. Chemical Society Reviews, 2018, 47, 4176-4197.	18.7	187
88	An isolable Î²-diketiminato chlorosilylene. Dalton Transactions, 2018, 47, 2152-2155.	1.6	14
89	Striking transformations of the hydroborylene ligand in a HB:â†’Ni^{II}complex with isocyanides and CO. Chemical Science, 2018, 9, 2595-2600.	3.7	8
90	A Molecular Approach to Manganese Nitride Acting as a High Performance Electrocatalyst in the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2018, 57, 698-702.	7.2	145

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91	Stereoselective Transfer Semiâ€Hydrogenation of Alkynes to <i>E</i>â€Olefins with <i>N</i>â€Heterocyclic Silyleneâ€“Manganese Catalysts. Chemistry - A European Journal, 2018, 24, 4780-4784.	1.7	94
92	A Molecular Approach to Manganese Nitride Acting as a High Performance Electrocatalyst in the Oxygen Evolution Reaction. Angewandte Chemie, 2018, 130, 706-710.	1.6	35
93	Taming a silyldiium cation and its reactivity towards sodium phosphaethynolate. Chemical Communications, 2018, 54, 13523-13526.	2.2	11
94	Geometrically Compelled Disilene with Î»⁴-Coordinate Si^{II} Atoms. Journal of the American Chemical Society, 2018, 140, 16962-16966.	6.6	30
95	Structurally Ordered Intermetallic Cobalt Stannide Nanocrystals for Highâ€Performance Electrocatalytic Overall Waterâ€Splitting. Angewandte Chemie - International Edition, 2018, 57, 15237-15242.	7.2	103
96	Structurally Ordered Intermetallic Cobalt Stannide Nanocrystals for Highâ€Performance Electrocatalytic Overall Waterâ€Splitting. Angewandte Chemie, 2018, 130, 15457-15462.	1.6	46
97	From an Fe₂P₃ complex to FeP nanoparticles as efficient electrocatalysts for water-splitting. Chemical Science, 2018, 9, 8590-8597.	3.7	103
98	EinelektronenÃ¼bertragungsreaktionen in frustrierten und klassischen Silyliumion/Phosphanâ€Lewisâ€Paaren. Angewandte Chemie, 2018, 130, 15487-15492.	1.6	22
99	Nucleophilic versus Electrophilic Reactivity of Bioinspired Superoxido Nickel(II) Complexes. Angewandte Chemie, 2018, 130, 15099-15103.	1.6	2
100	Nucleophilic versus Electrophilic Reactivity of Bioinspired Superoxido Nickel(II) Complexes. Angewandte Chemie - International Edition, 2018, 57, 14883-14887.	7.2	18
101	Singleâ€Electron Transfer Reactions in Frustrated and Conventional Silylium Ion/Phosphane Lewis Pairs. Angewandte Chemie - International Edition, 2018, 57, 15267-15271.	7.2	52
102	Metal nitrene-like reactivity of a Siî€N bond towards CO₂. Chemical Communications, 2018, 54, 9352-9355.	2.2	10
103	Chelate Silyleneâ€“Silyl Ligand Can Boost Rhodiumâ€Catalyzed Câˆ’H Bond Functionalization Reactions. Chemistry - A European Journal, 2018, 24, 14608-14612.	1.7	17
104	Nanoskalige anorganische Energiematerialien aus molekularen Vorstufen bei tiefer Temperatur. Angewandte Chemie, 2018, 130, 11298-11308.	1.6	15
105	Nanoâ€Sized Inorganic Energyâ€Materials by the Lowâ€Temperature Molecular Precursor Approach. Angewandte Chemie - International Edition, 2018, 57, 11130-11139.	7.2	62
106	Photocatalytic and photosensitized water splitting: A plea for well-defined and commonly accepted protocol. Comptes Rendus Chimie, 2018, 21, 909-915.	0.2	8
107	Facile Formation of Nanostructured Manganese Oxide Films as Highâ€Performance Catalysts for the Oxygen Evolution Reaction. ChemSusChem, 2018, 11, 2554-2561.	3.6	19
108	Boosting Visibleâ€Lightâ€Driven Photocatalytic Hydrogen Evolution with an Integrated Nickel Phosphideâ€“Carbon Nitride System. Angewandte Chemie, 2017, 129, 1675-1679.	1.6	57

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109	Boosting Visibleâ€Lightâ€Driven Photocatalytic Hydrogen Evolution with an Integrated Nickel Phosphideâ€“Carbon Nitride System. Angewandte Chemie - International Edition, 2017, 56, 1653-1657.	7.2	261
110	InnenrÃ¼cktitelbild: An Isolable Silicon Dicarbonate Complex from Carbon Dioxide Activation with a Silylone (Angew. Chem. 7/2017). Angewandte Chemie, 2017, 129, 1957-1957.	1.6	0
111	An Isolable Silicon Dicarbonate Complex from Carbon Dioxide Activation with a Silylone. Angewandte Chemie, 2017, 129, 1920-1923.	1.6	20
112	An Isolable Silicon Dicarbonate Complex from Carbon Dioxide Activation with a Silylone. Angewandte Chemie - International Edition, 2017, 56, 1894-1897.	7.2	44
113	Improving the Catalytic Activity in the Rhodiumâ€Mediated Hydroformylation of Styrene by a Bis(Nâ€heterocyclic silylene) Ligand. European Journal of Inorganic Chemistry, 2017, 2017, 1284-1291.	1.0	29
114	An Intramolecular Silylene Borane Capable of Facile Activation of Small Molecules, Including Metalâ€Free Dehydrogenation of Water. Angewandte Chemie - International Edition, 2017, 56, 3699-3702.	7.2	63
115	A facile corrosion approach to the synthesis of highly active CoO_xwater oxidation catalysts. Journal of Materials Chemistry A, 2017, 5, 5171-5177.	5.2	81
116	Taming Silicon Congeners of CO and CO₂: Synthesis of Monomeric Si^{II} and Si^{IV} Chalcogenide Complexes. Angewandte Chemie - International Edition, 2017, 56, 6298-6301.	7.2	23
117	An Intramolecular Silylene Borane Capable of Facile Activation of Small Molecules, Including Metal-Free Dehydrogenation of Water. Angewandte Chemie, 2017, 129, 3753-3756.	1.6	23
118	Silyleneâ€“Nickel Promoted Cleavage of Bâˆ’O Bonds: From Catechol Borane to the Hydroborylene Ligand. Angewandte Chemie - International Edition, 2017, 56, 7470-7474.	7.2	33
119	Unexpected Photodegradation of a Phosphaketenylâ€Substituted Germyliumylidene Borate Complex. Angewandte Chemie, 2017, 129, 4397-4400.	1.6	47
120	Facile Access to NaOCâ‰¡As and Its Use as an Arsenic Source To Form Germylidenylarsinidene Complexes. Angewandte Chemie - International Edition, 2017, 56, 7465-7469.	7.2	59
121	Uncovering the Nature of Active Species of Nickel Phosphide Catalysts in High-Performance Electrochemical Overall Water Splitting. ACS Catalysis, 2017, 7, 103-109.	5.5	350
122	Silyleneâ€“Nickel Promoted Cleavage of Bâˆ’O Bonds: From Catechol Borane to the Hydroborylene Ligand. Angewandte Chemie, 2017, 129, 7578-7582.	1.6	9
123	Facile Access to NaOCâ‰¡As and Its Use as an Arsenic Source To Form Germylidenylarsinidene Complexes. Angewandte Chemie, 2017, 129, 7573-7577.	1.6	29
124	Spectroscopic Characterization, Computational Investigation, and Comparisons of ECX^{â€“} (E = As, P, and N; X = S and O) Anions. Journal of the American Chemical Society, 2017, 139, 8922-8930.	6.6	48
125	Taming Silicon Congeners of CO and CO₂: Synthesis of Monomeric Si^{II} and Si^{IV} Chalcogenide Complexes. Angewandte Chemie, 2017, 129, 6395-6398.	1.6	8
126	RÃ¼cktitelbild: Silyleneâ€“Nickel Promoted Cleavage of Bâˆ’O Bonds: From Catechol Borane to the Hydroborylene Ligand (Angew. Chem. 26/2017). Angewandte Chemie, 2017, 129, 7788-7788.	1.6	0

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127	Unexpected Photodegradation of a Phosphaketenylâ€Substituted Germyliumylidene Borate Complex. Angewandte Chemie - International Edition, 2017, 56, 4333-4336.	7.2	85
128	Synthesis and oxidation of phosphine cations. Dalton Transactions, 2017, 46, 14149-14157.	1.6	11
129	Divalent Silicon-Assisted Activation of Dihydrogen in a Bis(N-heterocyclic silylene)xanthene Nickel(0) Complex for Efficient Catalytic Hydrogenation of Olefins. Journal of the American Chemical Society, 2017, 139, 13499-13506.	6.6	116
130	Synthesis of a Metalloâ€Iminosilane via a Silanoneâ€“Metal Ï€â€Complex. Angewandte Chemie - International Edition, 2017, 56, 14282-14286.	7.2	22
131	Bis(silylenyl)-substituted ferrocene-stabilized Î·⁶-arene iron(0) complexes: synthesis, structure and catalytic application. Dalton Transactions, 2017, 46, 16412-16418.	1.6	32
132	The Charge Transfer Approach to Heavier Mainâ€Group Element Radicals in Transitionâ€Metal Complexes. Angewandte Chemie, 2017, 129, 12915-12919.	1.6	8
133	A New Area in Main-Group Chemistry: Zerovalent Monoatomic Silicon Compounds and Their Analogues. Accounts of Chemical Research, 2017, 50, 2026-2037.	7.6	98
134	From a Molecular 2Feâ€2Se Precursor to a Highly Efficient Iron Diselenide Electrocatalyst for Overall Water Splitting. Angewandte Chemie, 2017, 129, 10642-10646.	1.6	31
135	From a Molecular 2Feâ€2Se Precursor to a Highly Efficient Iron Diselenide Electrocatalyst for Overall Water Splitting. Angewandte Chemie - International Edition, 2017, 56, 10506-10510.	7.2	167
136	The Charge Transfer Approach to Heavier Mainâ€Group Element Radicals in Transitionâ€Metal Complexes. Angewandte Chemie - International Edition, 2017, 56, 12741-12745.	7.2	25
137	Synthesis of a Metalloâ€Iminosilane via a Silanoneâ€“Metal Ï€â€Complex. Angewandte Chemie, 2017, 129, 14470-14474.	1.6	11
138	Boosting electrochemical water oxidation through replacement of O_h Co sites in cobalt oxide spinel with manganese. Chemical Communications, 2017, 53, 8018-8021.	2.2	151
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#	Article	IF	Citations
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