

# Tibor Szilvási

## List of Publications by Year in descending order

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119  
papers

3,791  
citations

145106

33  
h-index

182931

54  
g-index

128  
all docs

128  
docs citations

128  
times ranked

3041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accessing the main-group metal formyl scaffold through CO-activation in beryllium hydride complexes. <i>Nature Communications</i> , 2022, 13, 461.	5.8	14
2	Experimental and Computational Study of the Properties of Imidazole Compounds with Branched and Cycloalkyl Substituents. <i>Liquids</i> , 2022, 2, 14-25.	0.8	2
3	Benchmarking Semiempirical QM Methods for Calculating the Dipole Moment of Organic Molecules. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1905-1921.	1.1	8
4	Properties of Imidazolium Ionic Liquids with Glycerol-Derived Functional Groups. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 1905-1914.	1.0	0
5	H <sub>2</sub> and N <sub>2</sub> Binding Affinities Are Coupled in Synthetic Fe Nitrogenases Limiting N <sub>2</sub> Fixation. <i>Organometallics</i> , 2022, 41, 1134-1146.	1.1	3
6	Influence of multifluorophenoxy terminus on the mesomorphism of the alkoxy and alkyl cyanobiphenyl compounds in search of new ambient nematic liquid crystals and mixtures. <i>Liquid Crystals</i> , 2021, 48, 672-688.	0.9	8
7	An automated cluster surface scanning method for exploring reaction paths on metal-cluster surfaces. <i>Computational Materials Science</i> , 2021, 186, 110010.	1.4	10
8	Designing chemically selective liquid crystalline materials that respond to oxidizing gases. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6507-6517.	2.7	9
9	Coupling the chemical reactivity of bimetallic surfaces to the orientations of liquid crystals. <i>Materials Horizons</i> , 2021, 8, 2050-2056.	6.4	8
10	Trends in computational molecular catalyst design. <i>Dalton Transactions</i> , 2021, 50, 10325-10339.	1.6	13
11	Reversible metathesis of ammonia in an acyclic germylene-Ni <sup>0</sup> complex. <i>Chemical Science</i> , 2021, 12, 5582-5590.	3.7	28
12	Design of Chemoresponsive Soft Matter Using Hydrogen-Bonded Liquid Crystals. <i>Materials</i> , 2021, 14, 1055.	1.3	4
13	An Isolable Three-Coordinate Germanone and Its Reactivity. <i>Chemistry - A European Journal</i> , 2021, 27, 15914-15917.	1.7	13
14	DMRG on Top of Plane-Wave Kohn-Sham Orbitals: A Case Study of Defected Boron Nitride. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 1143-1154.	2.3	16
15	Synthesis and properties of fluorine tail-terminated cyanobiphenyls and terphenyls for chemoresponsive liquid crystals. <i>Liquid Crystals</i> , 2020, 47, 3-16.	0.9	17
16	New room temperature nematogens by cyano tail termination of alkoxy and alkylcyanobiphenyls and their anchoring behavior on metal salt-decorated surface. <i>Liquid Crystals</i> , 2020, 47, 540-556.	0.9	10
17	Demonstrating the Direct Relationship between Hydrogen Evolution Reaction and Catalyst Deactivation in Synthetic Fe Nitrogenases. <i>ACS Catalysis</i> , 2020, 10, 12555-12568.	5.5	13
18	Bis(silylene)-Stabilized Monovalent Nitrogen Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22043-22047.	7.2	31

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19	Isolation and Reactivity of Chlorotetryliumylidenes Using a Bidentate Bis(N-heterocyclic imine) Ligand. <i>Organometallics</i> , 2020, 39, 4265-4272.	1.1	24
20	Bis(silylene)-stabilized Monovalent Nitrogen Complexes. <i>Angewandte Chemie</i> , 2020, 132, 22227-22231.	1.6	9
21	A bis(silylene)-stabilized diphosphorus compound and its reactivity as a monophosphorus anion transfer reagent. <i>Nature Chemistry</i> , 2020, 12, 801-807.	6.6	52
22	Binding of Organophosphorus Nerve Agents and Their Simulants to Metal Salts. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30941-30953.	4.0	8
23	Facile Access to Dative, Single, and Double Silicon-Metal Bonds Through $\text{M}^{\text{II}}\text{Cl}$ Insertion Reactions of Base-stabilized $\text{Si}^{\text{II}}$ Cations. <i>Chemistry - A European Journal</i> , 2020, 26, 6271-6278.	1.7	7
24	Computational Chemistry-Based Evaluation of Metal Salts and Metal Oxides for Application in Mercury-Capture Technologies. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 9015-9022.	1.8	4
25	Synthesis and properties of hydroxy tail-terminated cyanobiphenyl liquid crystals. <i>Liquid Crystals</i> , 2019, 46, 397-407.	0.9	22
26	Transition Metal Carbonyl Complexes of an N-Heterocyclic Carbene Stabilized Silyliumylidene Ion. <i>Inorganic Chemistry</i> , 2019, 58, 14931-14937.	1.9	19
27	From As-Zincarsasilene ( $\text{LZnAs=SiL}^2$ ) to Arsaethynolato ( $\text{As}^{\text{II}}\text{C}^{\text{III}}\text{O}$ ) and Arsaketenyrido ( $\text{O=C=As}$ ) Zinc Complexes. <i>Angewandte Chemie</i> , 2019, 131, 3420-3424.	1.6	0
28	Identification of stable adsorption sites and diffusion paths on nanocluster surfaces: an automated scanning algorithm. <i>Npj Computational Materials</i> , 2019, 5, .	3.5	6
29	Amplification of Elementary Surface Reaction Steps on Transition Metal Surfaces Using Liquid Crystals: Dissociative Adsorption and Dehydrogenation. <i>Journal of the American Chemical Society</i> , 2019, 141, 16003-16013.	6.6	18
30	Heavier Carbonyl Olefination: The Sila-Wittig Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 16991-16996.	6.6	38
31	Versatile Tautomerization of $\text{EH}_2$ -Substituted Silylenes (E = N, P, As) in the Coordination Sphere of Nickel. <i>Journal of the American Chemical Society</i> , 2019, 141, 3304-3314.	6.6	20
32	Exploring Hydrogen Evolution Accompanying Nitrogen Reduction on Biomimetic Nitrogenase Analogs: Can $\text{Fe}^{\text{II}}\text{N}_x\text{Hy}$ Intermediates Be Active Under Turnover Conditions?. <i>Inorganic Chemistry</i> , 2019, 58, 7969-7977.	1.9	8
33	Isolation of an N-Heterocyclic Carbene Complex of a Borasilene. <i>Chemistry - A European Journal</i> , 2019, 25, 11036-11041.	1.7	62
34	$\text{CO}_2$ Fixation and Catalytic Reduction by a Neutral Aluminum Double Bond. <i>Angewandte Chemie</i> , 2019, 131, 11077-11081.	1.6	25
35	$\text{CO}_2$ Fixation and Catalytic Reduction by a Neutral Aluminum Double Bond. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10961-10965.	7.2	75
36	The Quest for Stable Silaaldehydes: Synthesis and Reactivity of a Masked Silacarbonyl. <i>Chemistry - A European Journal</i> , 2019, 25, 1198-1202.	1.7	34

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37	From $\text{Zn}(\text{AsSi})_2$ to Arsaethynolato ( $\text{As}(\text{C}\equiv\text{O})$ ) and Arsaketenylido ( $\text{O}=\text{C}=\text{As}$ ), Zinc Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3382-3386.	7.2	2
38	The role of iron-oxide aerosols and sunlight in the atmospheric reduction of Hg(II) species: A DFT+U study. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 347-356.	10.8	10
39	From zinc(II) arsaketenes to silylene-stabilised zinc arsinidene complexes. <i>Chemical Communications</i> , 2018, 54, 6124-6127.	2.2	15
40	Computational Chemistry-Guided Design of Selective Chemoresponsive Liquid Crystals Using Pyridine and Pyrimidine Functional Groups. <i>Advanced Functional Materials</i> , 2018, 28, 1703581.	7.8	27
41	Three-coordinate Boron(III) and Diboron(II) Dications. <i>Chemistry - A European Journal</i> , 2018, 24, 4283-4288.	1.7	35
42	Quantum chemical calculations to determine partitioning coefficients for $\text{HgCl}_2$ on iron-oxide aerosols. <i>Science of the Total Environment</i> , 2018, 636, 580-587.	3.9	9
43	The role of anions in adsorbate-induced anchoring transitions of liquid crystals on surfaces with discrete cation binding sites. <i>Soft Matter</i> , 2018, 14, 797-805.	1.2	27
44	From an $\text{Fe}_2\text{P}_3$ complex to FeP nanoparticles as efficient electrocatalysts for water-splitting. <i>Chemical Science</i> , 2018, 9, 8590-8597.	3.7	103
45	Precise Activation of Ammonia and Carbon Dioxide by an Iminodisilene. <i>Angewandte Chemie</i> , 2018, 130, 14783-14787.	1.6	20
46	Identifying the Rate-Limiting Elementary Steps of Nitrogen Fixation with Single-Site Fe Model Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 8499-8508.	1.9	19
47	Redox-Triggered Orientational Responses of Liquid Crystals to Chlorine Gas. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9665-9669.	7.2	39
48	Metal nitrene-like reactivity of a $\text{Si}=\text{N}$ bond towards $\text{CO}_2$ . <i>Chemical Communications</i> , 2018, 54, 9352-9355.	2.2	10
49	Redox-Triggered Orientational Responses of Liquid Crystals to Chlorine Gas. <i>Angewandte Chemie</i> , 2018, 130, 9813-9817.	1.6	11
50	Precise Activation of Ammonia and Carbon Dioxide by an Iminodisilene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14575-14579.	7.2	57
51	An $\text{O}_2$ -tolerant [NiFe] Complex Modelling Sulfenate Intermediates of an $\text{O}_2$ -tolerant Hydrogenase. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2208-2211.	7.2	21
52	Improving the Catalytic Activity in the Rhodium-Mediated Hydroformylation of Styrene by a Bis(N-heterocyclic silylene) Ligand. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1284-1291.	1.0	29
53	Design of Chemoresponsive Liquid Crystals through Integration of Computational Chemistry and Experimental Studies. <i>Chemistry of Materials</i> , 2017, 29, 3563-3571.	3.2	33
54	An Intramolecular Silylene Borane Capable of Facile Activation of Small Molecules, Including Metal-Free Dehydrogenation of Water. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3699-3702.	7.2	63

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55	An Intramolecular Silylene Borane Capable of Facile Activation of Small Molecules, Including Metal-Free Dehydrogenation of Water. <i>Angewandte Chemie</i> , 2017, 129, 3753-3756.	1.6	23
56	Theoretical Assessment of Low-Valent Germanium Compounds as Transition Metal Ligands: Can They Be Better than Phosphines or NHCs?. <i>Organometallics</i> , 2017, 36, 1591-1600.	1.1	44
57	Using Functionalized Silyl Ligands To Suppress Solvent Coordination to Silyl Lanthanide(II) Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 5328-5341.	1.9	19
58	Silyleneâ€“Nickel Promoted Cleavage of Bâ”O Bonds: From Catechol Borane to the Hydroborylene Ligand. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7470-7474.	7.2	33
59	Unexpected Photodegradation of a Phosphaketenyliâ€“Substituted Germyliumylidene Borate Complex. <i>Angewandte Chemie</i> , 2017, 129, 4397-4400.	1.6	47
60	A New Domain of Reactivity for Highâ€“Valent Dinuclear $[M(\text{I}^{\frac{1}{4}}\text{O})_2 M^{\text{II}}]$ Complexes in Oxidation Reactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 297-301.	7.2	26
61	Silyleneâ€“Nickel Promoted Cleavage of Bâ”O Bonds: From Catechol Borane to the Hydroborylene Ligand. <i>Angewandte Chemie</i> , 2017, 129, 7578-7582.	1.6	9
62	Twist of a Siliconâ€“Silicon Double Bond: Selective <i>Anti</i> -Addition of Hydrogen to an Iminodisilene. <i>Journal of the American Chemical Society</i> , 2017, 139, 9156-9159.	6.6	73
63	RÃ¼cktitelbild: Silyleneâ€“Nickel Promoted Cleavage of Bâ”O Bonds: From Catechol Borane to the Hydroborylene Ligand ( <i>Angew. Chem.</i> 26/2017). <i>Angewandte Chemie</i> , 2017, 129, 7788-7788.	1.6	0
64	Unexpected Photodegradation of a Phosphaketenyliâ€“Substituted Germyliumylidene Borate Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4333-4336.	7.2	85
65	A New Domain of Reactivity for Highâ€“Valent Dinuclear $[M(\text{I}^{\frac{1}{4}}\text{O})_2 M^{\text{II}}]$ Complexes in Oxidation Reactions. <i>Angewandte Chemie</i> , 2017, 129, 303-307.	1.6	8
66	Chalcogen-atom transfer and exchange reactions of NHC-stabilized heavier silacylium ions. <i>Dalton Transactions</i> , 2017, 46, 16014-16018.	1.6	23
67	Synthesis of a Metalloâ€“minosilane via a Silanoneâ€“Metal Îƒâ€“Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14282-14286.	7.2	22
68	Theoretical Evidence for the Utilization of Lowâ€“Valent Mainâ€“Group Complexes as Rareâ€“Synthon Equivalents. <i>Chemistry - A European Journal</i> , 2017, 23, 17908-17914.	1.7	0
69	Systematic Study of N-Heterocyclic Carbene Coordinate Hydrosilylene Transition-Metal Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 10061-10069.	1.9	27
70	Synthesis of a Metalloâ€“minosilane via a Silanoneâ€“Metal Îƒâ€“Complex. <i>Angewandte Chemie</i> , 2017, 129, 14470-14474.	1.6	11
71	The correlation theory of the chemical bond. <i>Scientific Reports</i> , 2017, 7, 2237.	1.6	37
72	Distinguishing attosecond electronâ€“electron scattering and screening in transition metals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5300-E5307.	3.3	55

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73	Investigations of $\text{LiP}(\text{SiMe}_2\text{CH}_2\text{SiMe}_3)_2$ and $\text{P}(\text{tBu})_2$ , the Surprising Byproduct in the Metalation of $(\text{Me}_3\text{Si})_2\text{P}(\text{tBu})_2$ . <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5521-5528.	1.0	3
74	Frontispiece: Theoretical Evidence for the Utilization of Low-Valent Main-Group Complexes as Rare-Synthons Equivalents. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
75	Facile Access to Stable Silylium Ions Stabilized by N-Heterocyclic Imines. <i>Molecules</i> , 2016, 21, 1155.	1.7	13
76	Reactivity of an N-Heterocyclic Carbene Stabilized Hydrosilylene towards a Ketone and $\text{CO}_2$ : Experimental and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2696-2703.	1.0	13
77	Synthesis, Characterization, and Application of Platinum(II) Complexes Incorporating Racemic and Optically Active 4-Chloro-5-Methyl-1-Phenyl-1,2,3,6-Tetrahydrophosphinine Ligand. <i>Heteroatom Chemistry</i> , 2016, 27, 91-101.	0.4	10
78	From a Phosphaketenyl-Functionalized Germylene to 1,3-Digerma-2,4-diphosphacyclobutadiene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4781-4785.	7.2	103
79	From a Phosphaketenyl-Functionalized Germylene to 1,3-Digerma-2,4-diphosphacyclobutadiene. <i>Angewandte Chemie</i> , 2016, 128, 4859-4863.	1.6	55
80	A Bis(silylene)-Substituted <i>ortho</i> -Carborane as a Superior Ligand in the Nickel-Catalyzed Amination of Arenes. <i>Angewandte Chemie</i> , 2016, 128, 13060-13064.	1.6	52
81	Isolation and Structure of Germylene-Germylumylidenes Stabilized by N-Heterocyclic Imines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11619-11624.	7.2	59
82	A Bis(silylene)-Substituted <i>ortho</i> -Carborane as a Superior Ligand in the Nickel-Catalyzed Amination of Arenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12868-12872.	7.2	141
83	Isolation and Structure of Germylene-Germylumylidenes Stabilized by N-Heterocyclic Imines. <i>Angewandte Chemie</i> , 2016, 128, 11791-11796.	1.6	26
84	Direct time-domain observation of attosecond final-state lifetimes in photoemission from solids. <i>Science</i> , 2016, 353, 62-67.	6.0	181
85	A monotopic aluminum telluride with an $\text{Al}=\text{Te}$ double bond stabilized by N-heterocyclic carbenes. <i>Nature Communications</i> , 2015, 6, 10037.	5.8	88
86	A Persistent 1,2-Dihydrophosphasilene Adduct. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15060-15063.	7.2	29
87	From an Isolable Acyclic Phosphinosilylene Adduct to Donor-Stabilized $\text{Si}\pi\text{E}$ Compounds (E=O, S, Se). <i>Chemistry - A European Journal</i> , 2015, 21, 18930-18933.	1.7	32
88	Facile Rearrangement of a Bis(N-heterocyclic carbene)borate Chelate Ligand and Access to $[\text{GeX}]^+$ Complexes (X = H, Cl). <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2377-2380.	1.0	15
89	Transition Metal Complexes of a $\sigma$ -Half-Parent-Phosphasilene Adduct Representing Silylene-Phosphinidene-Metal Complexes. <i>Organometallics</i> , 2015, 34, 5703-5708.	1.1	12
90	Reaction of an N-Heterocyclic Carbene-Stabilized Silicon(II) Monohydride with Alkynes: [2+2+1] Cycloaddition versus Hydrogen Abstraction. <i>Chemistry - A European Journal</i> , 2015, 21, 1949-1954.	1.7	24

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91	Facile rotation around a silicon-phosphorus double bond enabled through coordination to tungsten. <i>Chemical Communications</i> , 2015, 51, 11272-11275.	2.2	29
92	Neutral $\sigma$ -Cp-Free-Silyl-Lanthanide(II) Complexes: Synthesis, Structure, and Bonding Analysis. <i>Inorganic Chemistry</i> , 2015, 54, 7065-7072.	1.9	27
93	An NHC-Stabilized Silicon Analogue of Acylium Ion: Synthesis, Structure, Reactivity, and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2015, 137, 5828-5836.	6.6	74
94	Open-Shell Lanthanide(II+) or -(III+) Complexes Bearing $\sigma$ -Silyl and Silylene Ligands: Synthesis, Structure, and Bonding Analysis. <i>Inorganic Chemistry</i> , 2015, 54, 3306-3315.	1.9	26
95	Peripheral mechanism of a carbonyl hydrosilylation catalysed by an SiSi iron pincer complex. <i>Chemical Science</i> , 2015, 6, 7143-7149.	3.7	86
96	A study on the optical resolution of 1-isopropyl-3-methyl-3-phospholene 1-oxide and its use in the synthesis of borane and platinum complexes. <i>Journal of Organometallic Chemistry</i> , 2015, 797, 140-152.	0.8	11
97	Alkaline-Earth-Metal-Induced Liberation of Rare Allotropes of Elemental Silicon and Germanium from N-Heterocyclic Metallylenes. <i>Inorganic Chemistry</i> , 2015, 54, 8840-8848.	1.9	24
98	Why do N-heterocyclic carbenes and silylenes activate white phosphorus differently?. <i>Structural Chemistry</i> , 2015, 26, 1335-1342.	1.0	5
99	Can low-valent silicon compounds be better transition metal ligands than phosphines and NHCs?. <i>RSC Advances</i> , 2015, 5, 5077-5086.	1.7	106
100	A Neutral Tetraphosphacyclobutadiene Ligand in Cobalt(I) Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1250-1254.	7.2	63
101	Platinum(II) Complexes Incorporating Racemic and Optically Active 1-Aryl-3-phospholene P-Ligands as Potential Catalysts in Hydroformylation. <i>Current Organic Chemistry</i> , 2014, 18, 1529-1538.	0.9	15
102	Molecular tailoring: a possible synthetic route to hexasilabenzene. <i>Dalton Transactions</i> , 2014, 43, 1184-1190.	1.6	19
103	An Amplified Ylidic $\sigma$ -Half-Parent-Iminosilane LSi-NH. <i>Journal of the American Chemical Society</i> , 2014, 136, 14207-14214.	6.6	16
104	A Donor-Stabilized Zwitterionic $\sigma$ -Half-Parent-Phosphasilene and Its Unusual Reactivity towards Small Molecules. <i>Chemistry - A European Journal</i> , 2014, 20, 1947-1956.	1.7	65
105	Synthesis and Unexpected Reactivity of Germyliumylidene Hydride $[\text{GeH}]^+$ Stabilized by a Bis( <i>N</i> -heterocyclic carbene)borate Ligand. <i>Journal of the American Chemical Society</i> , 2014, 136, 11300-11303.	6.6	64
106	Fluorine Modification of the Surface of Diamondoids: A Time-Dependent Density Functional Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4410-4415.	1.5	12
107	New Route to Access an Acyl-Functionalized Phosphasilene and a Four-Membered Si-P-C-O Heterocycle. <i>Chemistry - A European Journal</i> , 2014, 20, 9312-9318.	1.7	29
108	A facile access to a novel NHC-stabilized silyliumylidene ion and C-H activation of phenylacetylene. <i>Chemical Communications</i> , 2014, 50, 12619-12622.	2.2	62

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109	Platinum(II) complexes incorporating racemic and optically active 1-alkyl-3-phospholene P-ligands: Synthesis, stereostructure, NMR properties and catalytic activity. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 306-313.	0.8	28
110	An Elusive Hydridoaluminum(I) Complex for Facile C-H and C-O Bond Activation of Ethers and Access to Its Isolable Hydridogallium(I) Analogue: Syntheses, Structures, and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2014, 136, 9732-9742.	6.6	64
111	A Fragile Zwitterionic Phospha-silene as a Transfer Agent of the Elusive Parent Phosphinidene (:PH). <i>Journal of the American Chemical Society</i> , 2013, 135, 11795-11798.	6.6	120
112	Molecular Tailoring: Substituent Design for Hexagermabenzene. <i>Organometallics</i> , 2013, 32, 4733-4740.	1.1	10
113	Internal Catalytic Effect of Bulky NHC Ligands in Suzuki-Miyaura Cross-Coupling Reaction. <i>ACS Catalysis</i> , 2013, 3, 1984-1991.	5.5	47
114	From a Zwitterionic Phospha-silene to Base Stabilized Silyliumylidene-Phosphide and Bis(silylene) Complexes. <i>Journal of the American Chemical Society</i> , 2013, 135, 17958-17968.	6.6	68
115	Tuning the Optical Gap of Nanometer-Size Diamond Cages by Sulfurization: A Time-Dependent Density Functional Study. <i>Physical Review Letters</i> , 2012, 108, 267401.	2.9	41
116	Molecular Tailoring: Reaction Path Control with Bulky Substituents. <i>Organometallics</i> , 2012, 31, 3207-3212.	1.1	28
117	Unique Insertion Mechanisms of Bis-dehydro- $\lambda^2$ -diketiminato Silylene. <i>Organometallics</i> , 2011, 30, 5344-5351.	1.1	10
118	On the mechanism of the reaction of white phosphorus with silylenes. <i>Dalton Transactions</i> , 2011, 40, 7193.	1.6	11
119	The mechanism and energetics of insertion reactions of silylenes. <i>Dalton Transactions</i> , 2010, 39, 9347.	1.6	16