Vladimir Ya Lee

List of Publications by Year in Descending Order

123 papers	3,629 citations	34 h-index	56 g-index
137 ext. papers	4,070 ext. citations	8.6 avg, IF	5.33 L-index

#	Paper	IF	Citations
123	Phosphatetrasilatricyclo[2.1.0.02,5]pentane. *Mendeleev Communications*, **2022**, 32, 33-34	1.9	
122	Si3S-Bicyclo[1.1.0]butane vs. Si3S-cyclobutene: an isomeric interplay*. *Russian Chemical Bulletin*, **2021**, 70, 2233-2235	1.7	
121	From SiO to Alkoxysilanes for the Synthesis of Useful Chemicals.. *ACS Omega*, **2021**, 6, 35186-35195	3.9	1
120	Sustainable Catalytic Synthesis of Diethyl Carbonate. *ChemSusChem*, **2021**, 14, 842-846	8.3	8
119	Titanium Germylidenes. *Angewandte Chemie - International Edition*, **2021**, 60, 3951-3955	16.4	1
118	Titanium Germylidenes. *Angewandte Chemie*, **2021**, 133, 3997-4001	3.6	0
117	Innenrücktitelbild: Titanium Germylidenes (Angew. Chem. 8/2021). *Angewandte Chemie*, **2021**, 133, 4427-4427	3.6	
116	[Pd(4-RSi-IPr)(allyl)Cl]/KCO/EtOH: A Highly Effective Catalytic System for the Suzuki-Miyaura Cross-Coupling Reaction. *Journal of Organometallic Chemistry*, **2021**, 954-955, 122096	2.3	1
115	From a (Silatrigerma)cyclobutenylium Ion to a (Silatrigerma)cyclobutenyl Radical and Back. *Journal of the American Chemical Society*, **2020**, 142, 16455-16460	16.4	5
114	Electronic structure and conformational isomerism of the digermene (tBu2MeSi)2Ge=Ge(SiMetBu2)2 as studied by temperature-dependent Raman and UV□is spectra and quantum-chemistry calculations. *Journal of Organometallic Chemistry*, **2019**, 892, 18-23	2.3	1
113	Tuning Philicity of Dichlorosilylene: Nucleophilic Behavior of the Dichlorosilylene-NHC Complex ClSi-IPr. *ACS Omega*, **2019**, 4, 2902-2906	3.9	1
112	Theoretical Prediction for Synthetic Realization: Pyramidal Systems ClE[E?4R4] (E = B□a, E? = C□e, R = SiMe3, SiMetBu2): A DFT Study. *Heteroatom Chemistry*, **2019**, 2019, 1-6	1.2	0
111	[2+2] Cycloadduct of Titanium Silylidene and Benzonitrile. *European Journal of Inorganic Chemistry*, **2019**, 2019, 4224-4227	2.3	5
110	[Pd(4-R3Si-IPr)(allyl)Cl], a Family of Silyl-Substituted Pd□NHC Complexes: Catalytic Systems for the Buchwald□Hartwig Amination. *Organometallics*, **2019**, 38, 375-384	3.8	13
109	From Borapyramidane to Borole Dianion. *Journal of the American Chemical Society*, **2018**, 140, 6053-6056	16.4	16
108	Arsagermene, a compound with an -As[double bond, length as m-dash]Ge[double bond splayed right] double bond. *Chemical Communications*, **2018**, 54, 10947-10949	5.8	7
107	Hybrid group 15(E15)□roup 14(E14) element cationic pyramidal structures E15[E144(SiR3)4]+: A DFT study. *Tetrahedron Letters*, **2017**, 58, 2054-2057	2	3

106	The study of bonding in pyramidanes [(Me3Si)4C4]E (E = Ge, Sn, Pb) by optical (Raman, UV–vis) spectroscopy and quantum-chemical methods. *Journal of Molecular Structure*, **2017**, 1130, 775-780	3.4	4
105	Bis(stibahousene). *Journal of the American Chemical Society*, **2017**, 139, 13897-13902	16.4	9
104	A Cationic Phosphapyramidane. *Chemistry - A European Journal*, **2016**, 22, 17585-17589	4.8	12
103	Pyramidanes: The Covalent Form of the Ionic Compounds. *Organometallics*, **2016**, 35, 346-356	3.8	14
102	Group 14 element cationic pentagonal-pyramidal complexes Ea[η5-Eb5(SiMe3)5]+ (Ea = Si–Pb, Eb = Si, Ge): A quantum-chemical study. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2016**, 191, 609-612	1	2
101	[2+2] Cycloaddition of the Schrock titanium silylidene and acetylene. *Russian Chemical Bulletin*, **2016**, 65, 1139-1141	1.7	4
100	Heavier Group 14 Element Redox Systems **2015**, 545-561		0
99	From a Si3-Cyclopropene to a Si3S-Bicyclo[1.1.0]butane to a Si3S-Cyclopropene to a Si3S2-Bicyclo[1.1.0]butane: Back-and-Forth, and In-Between. *Angewandte Chemie*, **2015**, 127, 14324-14328	3.6	3
98	From a Si3-Cyclopropene to a Si3S-Bicyclo[1.1.0]butane to a Si3S-Cyclopropene to a Si3S2-Bicyclo[1.1.0]butane: Back-and-Forth, and In-Between. *Angewandte Chemie - International Edition*, **2015**, 54, 14118-22	16.4	7
97	Pentagermapyramidane: Crystallizing the "Transition-State" Structure. *Angewandte Chemie*, **2015**, 127, 5746-5749	3.6	3
96	1,1-Dilithiosilanes, 1,1-dilithiogermanes, 1,1-dilithiostannanes and related compounds: Organometallic reagents of the new generation. *Mendeleev Communications*, **2015**, 25, 161-167	1.9	2
95	Pentagermapyramidane: crystallizing the "transition-state" structure. *Angewandte Chemie - International Edition*, **2015**, 54, 5654-7	16.4	16
94	A Schrock-Type Germylene Complex: (η5-C5H4Et)2(PMe3)Hf?Ge(SiMetBu2)2. *Organometallics*, **2015**, 34, 2699-2702	3.8	15
93	Stibasilene Sb?Si and its lighter homologues: a comparative study. *Journal of the American Chemical Society*, **2014**, 136, 6243-6	16.4	21
92	Tetrakis(di-tert-butylmethylsilyl)digermene: Synthesis, Structure, Electrochemical Properties, and Reactivity. *Heteroatom Chemistry*, **2014**, 25, 313-319	1.2	12
91	Spirobis(pentagerma[1.1.1]propellane): a stable tetraradicaloid. *Journal of the American Chemical Society*, **2013**, 135, 6770-3	16.4	27
90	(Tetragermacyclobutadiene)ruthenium tricarbonyl [η4-(But 2MeSi)4Ge4]Ru(CO)3. *Russian Chemical Bulletin*, **2013**, 62, 2551-2553	1.7	3
89	Toward a silicon version of metathesis: from Schrock-type titanium silylidenes to silatitanacyclobutenes. *Journal of the American Chemical Society*, **2013**, 135, 2987-90	16.4	30

88	UV-Photoelectron Spectroscopy of a Tetrakis(trimethylsilyl)tetrahedrane and Its Pentafluorophenyl Derivative. *ChemPlusChem*, **2013**, 78, 398-401	2.8	5
87	Pyramidanes. *Journal of the American Chemical Society*, **2013**, 135, 8794-7	16.4	29
86	Heavy Metallocenes of the Group 8 Metals: Ferrocene and Ruthenocene Derivatives. *Bulletin of the Chemical Society of Japan*, **2013**, 86, 1466-1471	5.1	9
85	From tetragermacyclobutene to tetragermacyclobutadiene dianion to tetragermacyclobutadiene transition metal complexes. *Journal of the American Chemical Society*, **2011**, 133, 5103-8	16.4	33
84	Novel organometallic reagents: geminal dianionic derivatives of the heavy group 14 elements. *Inorganic Chemistry*, **2011**, 50, 12303-14	5.1	19
83	A blue digermene (t-Bu2MeSi)2Ge=Ge(SiMet-Bu2)2. *Chemical Communications*, **2011**, 47, 3272-4	5.8	23
82	Making a Cyclotrigermene from a Digermene. *Organometallics*, **2011**, 30, 4796-4797	3.8	5
81	1,2-Dibromo-3□1,2,3,4-disiladigermetene. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 1351-1355	1	3
80	Si3S-, Si3Se-, Si3Te-Bicyclo[1.1.0]butanes and Si3S2-Bicyclo[1.1.1]pentane. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 1346-1350	1	2
79	Electronic Structure of Bis(silyl)carbon-, Bis(silyl)silicon-, and Bis(silyl)germanium-Centered Radicals (R3Si)2XE□(E = C, Si, Ge; X = H, Re(CO)5, F): EPR and DFT Studies□ *Organometallics*, **2010**, 29, 5596-5606	3.8	21
78	A two-and-a-half-layer sandwich: potassium salt of anionic (□4)-tetrasilacyclobutadiene)(□5)-cyclopentadienyl)ruthenium. *Dalton Transactions*, **2010**, 39, 9229-31	4.3	22
77	Heteronuclear Double Bonds E=E? (E = Heavy Group 14 Element, E? = Group 13□16 Element). *Chemistry Letters*, **2010**, 39, 312-318	1.7	36
76	Heavy Analogs of Carbenium Ions: Si-, Ge-, Sn- and Pb-Centered Cations **2010**, 1-43		2
75	Heavy Analogs of Organic Free Radicals: Si-, Ge-, Sn- and Pb-Centered Radicals **2010**, 45-88		1
74	Heavy Analogs of Carbanions: Si-, Ge-, Sn- and Pb-Centered Anions **2010**, 89-138		3
73	Heavy Analogs of Carbenes: Silylenes, Germylenes, Stannylenes and Plumbylenes **2010**, 139-197		10
72	Heavy Analogs of Alkenes, 1,3-Dienes, Allenes and Alkynes: Multiply Bonded Derivatives of Si, Ge, Sn and Pb **2010**, 199-334		13
71	Heavy Analogs of Aromatic Compounds **2010**, 335-414		

70	The hexasiladigermacubane dianion. *Applied Organometallic Chemistry*, **2010**, 24, 834-836	3.1	8
69	**2010**,		349
68	Pentasilatricyclo[2.1.0.0(2,5)]pentane and its anion. *Chemistry - A European Journal*, **2009**, 15, 8401-4	4.8	20
67	Electrochemical properties and computations of stable radicals of the heavy group 14 elements (Si, Ge, and Sn). *Chemistry - A European Journal*, **2009**, 15, 8480-4	4.8	14
66	Si3C2-rings: from a nonconjugated trisilacyclopentadiene to an aromatic trisilacyclopentadienide and cyclic disilenide. *Journal of the American Chemical Society*, **2009**, 131, 6352-3	16.4	46
65	Tetrasilacyclobutadiene and Cyclobutadiene Tricarbonylruthenium Complexes: [4-(tBu2MeSi)4Si4]Ru(CO)3 and [4-(Me3Si)4C4]Ru(CO)3. *Organometallics*, **2009**, 28, 1248-1251	3.8	32
64	Base-free molybdenum and tungsten bicyclic silylene complexes stabilized by a homoaromatic contribution. *Journal of the American Chemical Society*, **2009**, 131, 916-7	16.4	43
63	Eta(5)-1,2,3-trisilacyclopentadienyl--a ligand for transition metal complexes: rhodium half-sandwich and ruthenium sandwich. *Journal of the American Chemical Society*, **2009**, 131, 9902-3	16.4	29
62	A Push-Pull Phosphasilene and Phosphagermene and Their Anion-Radicals. *Organometallics*, **2009**, 28, 4262-4265	3.8	67
61	Cyclic polyenes of heavy group 14 elements: new generation ligands for transition-metal complexes. *Chemical Society Reviews*, **2008**, 37, 1652-65	58.5	36
60	Electronic Structure of Stable Radicals of the Heavy Group 14 Elements: UV-Photoelectron Spectroscopy Characterization. *Organometallics*, **2008**, 27, 2915-2917	3.8	19
59	Isomeric metamorphosis: Si3E (E = S, Se, and Te) bicyclo[1.1.0]butane and cyclobutene. *Journal of the American Chemical Society*, **2008**, 130, 2758-9	16.4	37
58	Making Stable Radicals of Heavy Elements of Groups 14 and 13: The Might of Silyl Substitution. *Chemistry Letters*, **2008**, 37, 128-133	1.7	25
57	1,3-Digerma-2-gallata- and -indataallenic Anions: The First Compounds with Ge=Ga or Ge=In Double Bonds. *Chemistry Letters*, **2008**, 37, 1146-1147	1.7	16
56	Tetrakis(trimethylsilyl)cyclobutadiene Dianion Alkaline Earth Metal Salts: New Members of the 6-Electron Aromatics Family. *European Journal of Inorganic Chemistry*, **2008**, 2008, 1752-1755	2.3	11
55	Interplay of EnE'3-nC valence isomers (E, E' = Si, Ge): bicyclo[1.1.0]butanes with very short bridging bonds and their isomerization to alkyl-substituted cyclopropenes. *Journal of the American Chemical Society*, **2007**, 129, 2436-7	16.4	39
54	Stable silyl, germyl, and stannyl cations, radicals, and anions: heavy versions of carbocations, carbon radicals, and carbanions. *Accounts of Chemical Research*, **2007**, 40, 410-9	24.3	128
53	Aromaticity of group 14 organometallics: experimental aspects. *Angewandte Chemie - International Edition*, **2007**, 46, 6596-620	16.4	159

52	(η5-Cyclopentadienyl)(η4-tetrasila- and η4-trisilagermacyclobutadiene)cobalt: Sandwich Complexes Featuring Heavy Cyclobutadiene Ligands. *European Journal of Inorganic Chemistry*, **2007**, 2007, 5471-5474	2.3	27
51	Heavy cyclopropene analogues R4SiGe2 and R4Ge3 (R=SiMetBu2) □New members of the cyclic digermenes family. *Journal of Organometallic Chemistry*, **2007**, 692, 10-19	2.3	16
50	Heavy analogues of the 6□electron anionic ring systems: Cyclopentadienide ion and cyclobutadiene dianion. *Journal of Organometallic Chemistry*, **2007**, 692, 2800-2810	2.3	29
49	1,2,5,6-Tetrasilabenzobenzvalene: A Valence Isomer of 1,2,3,4-Tetrasilanaphthalene. *Chemistry Letters*, **2007**, 36, 1158-1159	1.7	19
48	Heavy ferrocene: a sandwich complex containing Si and Ge atoms. *Journal of the American Chemical Society*, **2007**, 129, 10340-1	16.4	40
47	A (Tetrasilacyclobutadiene)tricarbonyliron complex [{eta4-(tBu2MeSi)4Si4}Fe(CO)3]: the silicon cousin of pettit's (cyclobutadiene)tricarbonyliron complex [(eta4-H4C4)Fe(CO)3]. *Angewandte Chemie - International Edition*, **2006**, 45, 3269-72	16.4	43
46	A (Tetrasilacyclobutadiene)tricarbonyliron Complex [{η4-(tBu2MeSi)4Si4}Fe(CO)3]: The Silicon Cousin of Pettit's (Cyclobutadiene)tricarbonyliron Complex [(η4-H4C4)Fe(CO)3]. *Angewandte Chemie*, **2006**, 118, 3347-3350	3.6	11
45	(tBu2MeSi)2Sn=Sn(SiMetBu2)2: a distannene with a >Sn=SnJournal of the American Chemical Society, **2006**, 128, 11643-51	16.4	74
44	Tetrasilacyclobutadiene ((t)Bu(2)MeSi)(4)Si(4): a new ligand for transition-metal complexes. *Journal of the American Chemical Society*, **2005**, 127, 5768-9	16.4	58
43	The heavy analogue of CpLi: lithium 1,2-disila-3-germacyclopentadienide, a 6pi-electron aromatic system. *Journal of the American Chemical Society*, **2005**, 127, 13142-3	16.4	45
42	Reaction of Dilithiosilane R2SiLi2and Dilithiogermane R2GeLi2(R = SiMetBu2) with MesBCl2(Mes = 2,4,6-trimethylphenyl): Evidence for the Formation of Silaborene R2Si=BMes and Germaborene R2Ge=BMes. *Chemistry Letters*, **2005**, 34, 582-583	1.7	40
41	Si-, Ge-, and Sn-Centered Free Radicals: From Phantom Species toGrams-Order-Scale Materials. *European Journal of Inorganic Chemistry*, **2005**, 2005, 1209-1222	2.3	65
40	SiGe2 and Ge3: cyclic digermenes that undergo unexpected ring-expansion reactions. *Angewandte Chemie - International Edition*, **2005**, 44, 6378-81	16.4	35
39	SiGe2 and Ge3: Cyclic Digermenes that Undergo Unexpected Ring-Expansion Reactions. *Angewandte Chemie*, **2005**, 117, 6536-6539	3.6	5
38	The first bicyclo[1.1.0]butane dianion of heavier group 14 elements. *Angewandte Chemie - International Edition*, **2004**, 43, 6703-5	16.4	28
37	The First Bicyclo[1.1.0]butane Dianion of Heavier Group 14 Elements. *Angewandte Chemie*, **2004**, 116, 6871-6873	3.6	8
36	Cyclobutadiene dianions consisting of heavier group 14 elements: synthesis and characterization. *Journal of the American Chemical Society*, **2004**, 126, 4758-9	16.4	97
35	1,3-Disila-2-gallata- and -indataallenic Anions [>SiMSi. *Journal of the American Chemical Society*, **2004**, 126, 5058-9	16.4	37

34	Structural Diversity of the Tris(di-tert-butylmethylsilyl)stannyl Anion: Monomeric vs Dimeric, Lithium Coordinated vs Lithium Free. *Organometallics*, **2004**, 23, 2376-2381	3.8	26
33	Tetrakis(di-tert-butylmethylsilyl)distannene and its anion radical. *Journal of the American Chemical Society*, **2004**, 126, 11758-9	16.4	47
32	Heteronuclear Heavy Alkenes EE (E, E = Group 14 Elements): Germasilenes, Silastannenes, Germastannenes...Next Stop?. *Organometallics*, **2004**, 23, 2822-2834	3.8	127
31	Unexpected Hydrolithiation of M=M? Double Bond (M, M? = Si, Ge) withtBuLi. *Chemistry Letters*, **2004**, 33, 84-85	1.7	25
30	[(tBu2MeSi)3Ge]+: An Isolable Free Germyl Cation Lacking Conjugation to Bonds. *Angewandte Chemie*, **2003**, 115, 1175-1177	3.6	19
29	[(tBu2MeSi)3Ge]+: an isolable free germyl cation lacking conjugation to pi bonds. *Angewandte Chemie - International Edition*, **2003**, 42, 1143-5	16.4	41
28	Disilagermirenes: heavy cyclopropenes of Si and Ge atoms. *Journal of Organometallic Chemistry*, **2003**, 685, 168-176	2.3	17
27	Tin-centered radical and cation: stable and free. *Journal of the American Chemical Society*, **2003**, 125, 9250-1	16.4	76
26	R2GeSnR and RRGeSnRR (R = SiMetBu2, R = 2,4,6-iPr3C6H2): The New Stable Germastannenes. *Organometallics*, **2003**, 22, 1483-1486	3.8	35
25	Heavy cyclopropenes of Si, Ge, and Sn--a new challenge in the chemistry of group 14 elements. *Chemical Reviews*, **2003**, 103, 1429-47	68.1	154
24	A chemical trick: how to make a digermene from a disilene, formation of 3delta-1,2,3,4-disiladigermetene. *Journal of the American Chemical Society*, **2003**, 125, 6012-3	16.4	33
23	The first isolable 1,1-dilithiogermane and its unusual dimeric structure--an effective reagent for the preparation of double-bonded derivatives of group 14 elements. *Angewandte Chemie - International Edition*, **2002**, 41, 1598-600	16.4	59
22	FOREWORD INTERACTION OF 1-DISILAGERMIRENE WITH CARBONYL COMPOUNDS. *Main Group Metal Chemistry*, **2002**, 25, 1-4	1.6	4
21	Nearly planar nonsolvated monomeric silyl- and germyllithiums as a result of an intramolecular CH-Li agostic interaction. *Journal of the American Chemical Society*, **2002**, 124, 15160-1	16.4	60
20	The first silastannene >si=sn. *Journal of the American Chemical Society*, **2002**, 124, 14822-3	16.4	55
19	2,4-Disila-1-germatricyclo[2.1.0.0(2,5)]pentane: a new type of cage compound of group 14 elements with an extremely long Ge-C bridge bond and an "Umbrella"-type configuration of a Ge atom. *Journal of the American Chemical Society*, **2002**, 124, 9962-3	16.4	30
18	Isolable silyl and germyl radicals lacking conjugation with pi-bonds: synthesis, characterization, and reactivity. *Journal of the American Chemical Society*, **2002**, 124, 9865-9	16.4	120
17	Reaction of 1-Disilagermirene with Benzaldehyde: An Unexpected Combination of Cycloaddition and Insertion Pathways. *Chemistry Letters*, **2001**, 30, 728-729	1.7	9

16	Reaction of disilagermirenes with phenylacetylene: from a germasilene ?Ge?Si? to a metalladiene of the type ?Si?Ge?C?C?. *Journal of Organometallic Chemistry*, **2001**, 636, 41-48	2.3	26
15	Interconversion of cyclotrimetallenes and dihalocyclotrimetallanes consisting of group 14 elements. *Heteroatom Chemistry*, **2001**, 12, 223-226	1.2	18
14	A new pathway in the reaction of disilene with carbonyl compounds: an 'ene' reaction instead of cycloaddition. *Chemical Communications*, **2001**, 2146-7	5.8	11
13	Lithiosilanes and their application to the synthesis of polysilane dendrimers. *Coordination Chemistry Reviews*, **2000**, 210, 11-45	23.2	130
12	Stable aromatic compounds containing heavier Group 14 elements. *Journal of Organometallic Chemistry*, **2000**, 611, 228-235	2.3	66
11	The First Metalladiene of Group 14 Elements with a Silole-Type Structure with SiGe and CC Double Bonds. *Journal of the American Chemical Society*, **2000**, 122, 12604-12605	16.4	75
10	The First Three-Membered Unsaturated Rings Consisting of Different Heavier Group 14 Elements: 1-Disilagermirene with a SiSi Double Bond and Its Isomerization to a 2-Disilagermirene with a SiGe Double Bond. *Journal of the American Chemical Society*, **2000**, 122, 9034-9035	16.4	73
9	An Eight-Membered Cyclic C,N-Bis(germadiyl) Bis(ketenimine). *Organometallics*, **1998**, 17, 1517-1522	3.8	10
8	Syntheses and Structures of Silyl-Group-Containing Hexaalkylated Benzenes. *Organometallics*, **1997**, 16, 4200-4205	3.8	14
7	Friedel□rafts polyalkylation of alkylbenzenes with dichloromethylvinylsilane. *Journal of Organometallic Chemistry*, **1997**, 548, 237-245	2.3	10
6	Silicon-, Germanium-, and Tin-Centered Cations, Radicals, and Anions47-120		10
5	Cyclotrimetallenes Consisting of Heavier Group 14 Elements: A New Unsaturated Small Ring System92-100		2
4	Unsaturated Three-Membered Rings of Heavier Group 14 Elements903-933		2
3	Cage Compounds of Heavier Group 14 Elements935-962		5
2	Ferrocene-Based Phosphenium Ion with Intramolecular Phosphine Coordination. *European Journal of Inorganic Chemistry*,	2.3	2
1	Cyclotrimetallenes Consisting of Heavier Group 14 Elements: A New Unsaturated Small Ring System92-100		