

Vladimir Ya Lee

List of Publications by Year in descending order

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docs citations

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Aromaticity of Group 14 Organometallics: Experimental Aspects. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6596-6620. | 7.2 | 174 |
| 2 | Heavy Cyclopropenes of Si, Ge, and Sn: A New Challenge in the Chemistry of Group 14 Elements. <i>Chemical Reviews</i> , 2003, 103, 1429-1448. | 23.0 | 173 |
| 3 | Isolable Silyl and Germyl Radicals Lacking Conjugation with σ -Bonds: Synthesis, Characterization, and Reactivity. <i>Journal of the American Chemical Society</i> , 2002, 124, 9865-9869. | 6.6 | 148 |
| 4 | Lithiosilanes and their application to the synthesis of polysilane dendrimers. <i>Coordination Chemistry Reviews</i> , 2000, 210, 11-45. | 9.5 | 146 |
| 5 | Stable Silyl, Germyl, and Stannyl Cations, Radicals, and Anions: Heavy Versions of Carbocations, Carbon Radicals, and Carbanions. <i>Accounts of Chemical Research</i> , 2007, 40, 410-419. | 7.6 | 144 |
| 6 | Heteronuclear Heavy Alkenes E_1E_2 (E, $E_1 =$ Group 14 Elements): Germsilenes, Silastannenes, Germastannenes... Next Stop?. <i>Organometallics</i> , 2004, 23, 2822-2834. | 1.1 | 142 |
| 7 | Cyclobutadiene Dianions Consisting of Heavier Group 14 Elements: Synthesis and Characterization. <i>Journal of the American Chemical Society</i> , 2004, 126, 4758-4759. | 6.6 | 106 |
| 8 | 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. <i>Journal of the American Chemical Society</i> , 2000, 122, 9034-9035. | 6.6 | 91 |
| 9 | The First Metalladiene of Group 14 Elements with a Silole-Type Structure with SiGe and CC Double Bonds. <i>Journal of the American Chemical Society</i> , 2000, 122, 12604-12605. | 6.6 | 88 |
| 10 | (<i>t</i> Bu ₂ MeSi) ₂ SnSn(SiMetBu) ₂ : A Distannene with a $>SnSn<$ Double Bond That Is Stable Both in the Solid State and in Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 11643-11651. | 6.6 | 87 |
| 11 | Tin-Centered Radical and Cation: Stable and Free. <i>Journal of the American Chemical Society</i> , 2003, 125, 9250-9251. | 6.6 | 84 |
| 12 | A σ -Push π -Pull-Phosphasilene and Phosphagermene and Their Anion-Radicals. <i>Organometallics</i> , 2009, 28, 4262-4265. | 1.1 | 82 |
| 13 | Stable aromatic compounds containing heavier Group 14 elements. <i>Journal of Organometallic Chemistry</i> , 2000, 611, 228-235. | 0.8 | 79 |
| 14 | Si \cdot , Ge \cdot , and Sn \cdot -Centered Free Radicals: From Phantom Species to Grams-Scale Materials. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1209-1222. | 1.0 | 74 |
| 15 | The First Isolable 1,1-Dilithiogermene and Its Unusual Dimeric Structure-An Effective Reagent for the Preparation of Double-Bonded Derivatives of Group 14 Elements. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1598-1600. | 7.2 | 69 |
| 16 | Nearly Planar Nonsolvated Monomeric Silyl- and Germyllithiums as a Result of an Intramolecular CH \cdots Li Agostic Interaction. <i>Journal of the American Chemical Society</i> , 2002, 124, 15160-15161. | 6.6 | 68 |
| 17 | Tetrasilacyclobutadiene (<i>t</i> Bu ₂ MeSi) ₄ Si ₄ : A New Ligand for Transition-Metal Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 5768-5769. | 6.6 | 65 |
| 18 | Tetrakis(di- <i>tert</i> -butylmethylsilyl)distannene and Its Anion Radical. <i>Journal of the American Chemical Society</i> , 2004, 126, 11758-11759. | 6.6 | 61 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | The First Silastannene SiSn : A New Doubly-Bonded System of Heavier Group 14 Elements. <i>Journal of the American Chemical Society</i> , 2002, 124, 14822-14823. | 6.6 | 60 |
| 20 | Base-Free Molybdenum and Tungsten Bicyclic Silylene Complexes Stabilized by a Homoaromatic Contribution. <i>Journal of the American Chemical Society</i> , 2009, 131, 916-917. | 6.6 | 53 |
| 21 | $[(\text{tBu}_2\text{MeSi})_3\text{Ge}]$: An Isolable Free Germyl Cation Lacking Conjugation to π Bonds. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1143-1145. | 7.2 | 51 |
| 22 | The Heavy Analogue of CpLi : Lithium 1,2-Disila-3-germacyclopentadienide, a π -Electron Aromatic System. <i>Journal of the American Chemical Society</i> , 2005, 127, 13142-13143. | 6.6 | 51 |
| 23 | Si_3C_2 -Rings: From a Nonconjugated Trisilacyclopentadiene to an Aromatic Trisilacyclopentadienide and Cyclic Disilenide. <i>Journal of the American Chemical Society</i> , 2009, 131, 6352-6353. | 6.6 | 48 |
| 24 | Reaction of Dilithiosilane R_2SiLi_2 and Dilithiogermene R_2GeLi_2 ($\text{R} = \text{SiMe}_2\text{Bu}$) with MesBCl_2 ($\text{Mes} = \text{tBu}$). <i>Chemistry Letters</i> , 2005, 34, 582-583. | 0.7 | 47 |
| 25 | A (Tetrasilacyclobutadiene)tricarbonyliron Complex $[(\text{tBu}_2\text{MeSi})_4\text{Fe}(\text{CO})_3]$: The Silicon Cousin of Pettit's (Cyclobutadiene)tricarbonyliron Complex $[(\text{H}_4\text{C}_4)\text{Fe}(\text{CO})_3]$. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3269-3272. | 7.2 | 47 |
| 26 | Heavy Ferrocene: A Sandwich Complex Containing Si and Ge Atoms. <i>Journal of the American Chemical Society</i> , 2007, 129, 10340-10341. | 6.6 | 46 |
| 27 | Interplay of $\text{E}_3\text{-nC}$ Valence Isomers ($\text{E} = \text{Si, Ge}$): Bicyclo[1.1.0]butanes with Very Short Bridging Bonds and Their Isomerization to Alkyl-Substituted Cyclopropenes. <i>Journal of the American Chemical Society</i> , 2007, 129, 2436-2437. | 6.6 | 46 |
| 28 | SiGe_2 and Ge_3 : Cyclic Digermenes that Undergo Unexpected Ring-Expansion Reactions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6378-6381. | 7.2 | 45 |
| 29 | Heteronuclear Double Bonds $\text{E}=\text{E}'$ ($\text{E} = \text{Heavy Group 14 Element}$, $\text{E}' = \text{Group 13-16 Element}$). <i>Chemistry Letters</i> , 2010, 39, 312-318. | 0.7 | 45 |
| 30 | Isomeric Metamorphosis: Si_3E ($\text{E} = \text{S, Se, and Te}$) Bicyclo[1.1.0]butane and Cyclobutene. <i>Journal of the American Chemical Society</i> , 2008, 130, 2758-2759. | 6.6 | 43 |
| 31 | From Tetragermacyclobutene to Tetragermacyclobutadiene Dianion to Tetragermacyclobutadiene Transition Metal Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 5103-5108. | 6.6 | 43 |
| 32 | Cyclic polyenes of heavy group 14 elements: new generation ligands for transition-metal complexes. <i>Chemical Society Reviews</i> , 2008, 37, 1652. | 18.7 | 42 |
| 33 | Spirobis(pentagerma[1.1.1]propellane): A Stable Tetradicaloid. <i>Journal of the American Chemical Society</i> , 2013, 135, 6770-6773. | 6.6 | 42 |
| 34 | Toward a Silicon Version of Metathesis: From Schrock-Type Titanium Silylidenes to Silatitanacyclobutenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 2987-2990. | 6.6 | 42 |
| 35 | 1,3-Disila-2-gallata- and -indataallenic Anions $[\text{SiMSi}]\text{-Li}^+$ ($\text{M} = \text{Ga, In}$): Compounds Featuring Double Bonds between Elements of Groups 13 and 14. <i>Journal of the American Chemical Society</i> , 2004, 126, 5058-5059. | 6.6 | 41 |
| 36 | Pyramidanes. <i>Journal of the American Chemical Society</i> , 2013, 135, 8794-8797. | 6.6 | 41 |

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|----|---|-----|-----------|
| 73 | From a (Silatrigerma)cyclobutenylium Ion to a (Silatrigerma)cyclobutenyl Radical and Back. Journal of the American Chemical Society, 2020, 142, 16455-16460. | 6.6 | 16 |
| 74 | Tetrakis(trimethylsilyl)cyclobutadiene Dianion Alkaline Earth Metal Salts: New Members of the σ -Electron Aromatics Family. European Journal of Inorganic Chemistry, 2008, 2008, 1752-1755. | 1.0 | 15 |
| 75 | Silicon-, Germanium-, and Tin-Centered Cations, Radicals, and Anions. , 0, , 47-120. | | 14 |
| 76 | Bis(stibahousene). Journal of the American Chemical Society, 2017, 139, 13897-13902. | 6.6 | 13 |
| 77 | An Eight-Membered Cyclic C,N-Bis(germadiyl) Bis(ketenimine). Organometallics, 1998, 17, 1517-1522. | 1.1 | 12 |
| 78 | Heavy Metallocenes of the Group 8 Metals: Ferrocene and Ruthenocene Derivatives. Bulletin of the Chemical Society of Japan, 2013, 86, 1466-1471. | 2.0 | 12 |
| 79 | From a Si_3 -Cyclopropene to a Si_3 -Bicyclo[1.1.0]butane to a Si_3 -Cyclopropene to a Si_3S_2 -Bicyclo[1.1.0]butane: Back and Forth and In Between. Angewandte Chemie - International Edition, 2015, 54, 14118-14122. | | 12 |
| 80 | A new pathway in the reaction of disilene with carbonyl compounds: an 'ene' reaction instead of cycloaddition. Chemical Communications, 2001, , 2146-2147. | 2.2 | 11 |
| 81 | From SiO_2 to Alkoxysilanes for the Synthesis of Useful Chemicals. ACS Omega, 2021, 6, 35186-35195. | 1.6 | 11 |
| 82 | Friedel-Crafts polyalkylation of alkylbenzenes with dichloromethylvinylsilane. Journal of Organometallic Chemistry, 1997, 548, 237-245. | 0.8 | 10 |
| 83 | Reaction of 1-Disilagermirene with Benzaldehyde: An Unexpected Combination of Cycloaddition and Insertion Pathways. Chemistry Letters, 2001, 30, 728-729. | 0.7 | 10 |
| 84 | The hexasiladigermacubane dianion. Applied Organometallic Chemistry, 2010, 24, 834-836. | 1.7 | 9 |
| 85 | (Tetragermacyclobutadiene)ruthenium tricarbonyl [$\text{[4-(But 2MeSi)4Ge4Ru(CO)3}$. Russian Chemical Bulletin, 2013, 62, 2551-2553. | 0.4 | 9 |
| 86 | Cage Compounds of Heavier Group 14 Elements. , 0, , 935-962. | | 8 |
| 87 | [2+2] Cycloadduct of Titanium Silylidene and Benzonitrile. European Journal of Inorganic Chemistry, 2019, 2019, 4224-4227. | 1.0 | 8 |
| 88 | Making a Cyclotrigermene from a Digermene. Organometallics, 2011, 30, 4796-4797. | 1.1 | 7 |
| 89 | [2+2] Cycloaddition of the Schrock titanium silylidene and acetylene. Russian Chemical Bulletin, 2016, 65, 1139-1141. | 0.4 | 7 |
| 90 | The study of bonding in pyramidanones $[(\text{Me}_3\text{Si})_4\text{C}_4\text{E}]$ (E = Ge, Sn, Pb) by optical (Raman, UV-vis) spectroscopy and quantum-chemical methods. Journal of Molecular Structure, 2017, 1130, 775-780. | 1.8 | 7 |

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|-----|---|-----|-----------|
| 91 | Schrock-type Silylidenes and Germylidenes Found Among the Silylene and Germylene Complexes of the Early and Mid-transition Metals. <i>European Journal of Inorganic Chemistry</i> , 2022, . | 1.0 | 7 |
| 92 | Titanium Germylidenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3951-3955. | 7.2 | 6 |
| 93 | UV-photoelectron Spectroscopy of a Tetrakis(trimethylsilyl)tetrahedrane and Its Pentafluorophenyl Derivative. <i>ChemPlusChem</i> , 2013, 78, 398-401. | 1.3 | 5 |
| 94 | Electronic structure and conformational isomerism of the digermene (tBu ₂ MeSi) ₂ Ge=Ge(SiMe ₂ tBu) ₂ as studied by temperature-dependent Raman and UV-vis spectra and quantum-chemistry calculations. <i>Journal of Organometallic Chemistry</i> , 2019, 892, 18-23. | 0.8 | 5 |
| 95 | [Pd(4-RSi-IPr)(allyl)Cl]/KCO/EtOH: A highly effective catalytic system for the Suzuki-Miyaura cross-coupling reaction. <i>Journal of Organometallic Chemistry</i> , 2021, 954-955, 122096. | 0.8 | 5 |
| 96 | 1-Chloroalumole. <i>Organometallics</i> , 2022, 41, 467-471. | 1.1 | 5 |
| 97 | FOREWORD INTERACTION OF 1-DISILAGERMIRENE WITH CARBONYL COMPOUNDS. <i>Main Group Metal Chemistry</i> , 2002, 25, 1-4. | 0.6 | 4 |
| 98 | Unsaturated Three-Membered Rings of Heavier Group 14 Elements. , 0, , 903-933. | | 4 |
| 99 | Hybrid group 15(E 15) group 14(E 14) element cationic pyramidal structures E 15 [E 14 4 (SiR 3) 4] + : A DFT study. <i>Tetrahedron Letters</i> , 2017, 58, 2054-2057. | 0.7 | 4 |
| 100 | Ferrocene-Based Phosphenium Ion with Intramolecular Phosphine Coordination. <i>European Journal of Inorganic Chemistry</i> , 0, , . | 1.0 | 4 |
| 101 | 1,2-Dibromo- ³ -1,2,3,4-disiladigermene. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 1351-1355. | 0.8 | 3 |
| 102 | Si ₃ S-, Si ₃ Se-, Si ₃ Te-Bicyclo[1.1.0]butanes and Si ₃ S ₂ -Bicyclo[1.1.1]pentane. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 1346-1350. | 0.8 | 3 |
| 103 | 1,1-Dilithosilanes, 1,1-dilithiogermanes, 1,1-dilithiostannanes and related compounds: Organometallic reagents of the new generation. <i>Mendeleev Communications</i> , 2015, 25, 161-167. | 0.6 | 3 |
| 104 | Group 14 element cationic pentagonal pyramidal complexes E ^a [E ^b (SiMe ₃) ₅] ⁺ (E ^a = Si, Pb, E ^b = Si, Ge): A quantum-chemical study. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 609-612. | 0.8 | 3 |
| 105 | Tuning Philicity of Dichlorosilylene: Nucleophilic Behavior of the Dichlorosilylene-NHC Complex Cl ₂ Si-IPr. <i>ACS Omega</i> , 2019, 4, 2902-2906. | 1.6 | 3 |
| 106 | Theoretical Prediction for Synthetic Realization: Pyramidal Systems CLE[E ² R ₄] (E = Ba, Ga, E ² = Ca, Ge, R = SiMe ₃), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13 | | |
| 107 | Phosphatetrasilatricyclo[2.1.0.0 _{2,5}]pentane. <i>Mendeleev Communications</i> , 2022, 32, 33-34. | 0.6 | 2 |
| 108 | Titanium Germylidenes. <i>Angewandte Chemie</i> , 2021, 133, 3997-4001. | 1.6 | 1 |

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|-----|---|-----|-----------|
| 109 | Reactivity of a spirobis(pentagerma[1.1.1]propellane). <i>Main Group Metal Chemistry</i> , 2014, 37, . | 0.6 | 0 |
| 110 | Innenr¼cktitelbild: Titanium Germylidenes (<i>Angew. Chem.</i> 8/2021). <i>Angewandte Chemie</i> , 2021, 133, 4427-4427. | 1.6 | 0 |
| 111 | Si3S-Bicyclo[1.1.0]butane vs. Si3S-cyclobutene: an isomeric interplay*. <i>Russian Chemical Bulletin</i> , 2021, 70, 2233-2235. | 0.4 | 0 |