

# Alexander C Filippou

## List of Publications by Year in descending order

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55  
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#	ARTICLE	IF	CITATIONS
1	SiBr <sub>2</sub> (Idipp): A Stable $\sigma$ -Heterocyclic Carbene Adduct of Dibromosilylene. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5687-5690.	13.8	244
2	Silicon $\sigma$ -Oxygen Double Bonds: A Stable Silanone with a Trigonal $\sigma$ -Planar Coordinated Silicon Center. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 565-570.	13.8	197
3	Stable $\sigma$ -Heterocyclic Carbene Adducts of Arylchlorosilylenes and Their Germanium Homologues. <i>Chemistry - A European Journal</i> , 2010, 16, 2866-2872.	3.3	143
4	Metal $\sigma$ -Silicon Triple Bonds: The Molybdenum Silylidyne Complex [Cp(CO) <sub>2</sub> Mo $\sigma$ -Si $\sigma$ R]. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3296-3300.	13.8	132
5	Silicon(II) Coordination Chemistry: $\sigma$ -Heterocyclic Carbene Complexes of Si <sup>2+</sup> and Si <sup>+</sup> . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6974-6978.	13.8	119
6	Synthesis and Structure of the Gernylyne Complexes trans-[X(dppe)2W $\sigma$ -Ge( $\sigma$ -1-Cp*)] (X=Cl, Br, I) and Comparison of the W $\sigma$ -E Bonds (E=C, Ge) by Density Functional Calculations. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2778-2781.	13.8	98
7	Molybdenum and Tungsten Gernylyne Complexes of the General Formula trans-[X(dppe)2M $\sigma$ -Ge( $\sigma$ -1-Cp*)] (X) Tj ETQq1 1 0.784314 2.3 97	13.8	97
8	Triple Bonding to Tin: Synthesis and Characterization of the Stannylyne Complex trans-[Cl(PMe3)4W $\sigma$ -1/2Sn $\sigma$ -C6H3-2,6-Mes2]. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 445-447.	13.8	88
9	The Hexaazidosilicate(IV) Ion: $\sigma$ Synthesis, Properties, and Molecular Structure. <i>Journal of the American Chemical Society</i> , 2002, 124, 12396-12397.	13.7	86
10	Triple Bond to Lead: Synthesis and Characterization of the Plumbilydyne Complex trans-[Br(PMe3)4Mo $\sigma$ -1/2Pb $\sigma$ -C6H3-2,6-Trip2]. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2243-2247.	13.8	82
11	Tungsten-Lead Triple Bonds: Syntheses, Structures, and Coordination Chemistry of the Plumbilydyne Complexes trans-[X(PMe3)4W $\sigma$ -Pb(2,6-Trip2C6H3)]. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6512-6516.	13.8	81
12	Triple Bonding to Tin: $\sigma$ Synthesis and Characterization of the Square-Pyramidal Stannylyne Complex Cation [(dppe)2W $\sigma$ -Sn $\sigma$ -C6H3-2,6-Mes2] <sup>+</sup> (dppe = Ph2PCH2CH2PPh2, Mes = C6H2-2,4,6-Me3). <i>Organometallics</i> , 2003, 22, 3339-3341.	13.8	80
13	Si $\sigma$ -Si Double Bonds: Synthesis of an NHC $\sigma$ -Stabilized Disilavinylidene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9980-9985.	13.8	77
14	Chromium $\sigma$ -Silicon Multiple Bonds: The Chemistry of Terminal $\sigma$ -Heterocyclic $\sigma$ -Carbene $\sigma$ -Stabilized Halosilylidyne Ligands. <i>Chemistry - A European Journal</i> , 2011, 17, 13574-13583.	3.3	73
15	Activation of Aryl Germanium(II) Chlorides by [Mo(PMe3)6] and [W( $\sigma$ -2-CH2PMe2)H(PMe3)4]: A New Route to Metal $\sigma$ -Germanium Triple Bonds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5987-5991.	13.8	70
16	Metal Activation of a Gernylenoid, a New Approach to Metal $\sigma$ -Germanium Triple Bonds: Synthesis and Reactions of the Gernylydyne Complexes [Cp(CO) <sub>2</sub> M $\sigma$ -Ge $\sigma$ -C(SiMe <sub>3</sub> ) <sub>3</sub> ] <sub>3</sub> (M = Mo, W). <i>Organometallics</i> , 2012, 31, 748-755.	13.8	70
17	Halide Substitution Reactions of the Gernylydyne Complexes trans-[X(dppe)2W $\sigma$ -Ge( $\sigma$ -1-Cp*)] (X = Cl, I; dppe) Tj ETQq1 1 0.784314 2.3 61	13.8	61
18	The Hexaazidogermanate(IV) Ion: Syntheses, Structures, and Reactions. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4333-4336.	13.8	60

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19	Ge <sub>2</sub> Trapped by Triple Bonds between Two Metal Centers: The Gernylidyne Complexes <i>trans</i> -[Cl(depe) <sub>2</sub> Mi $\frac{1}{2}$ Gei $\frac{1}{2}$ Gei $\frac{1}{2}$ M(depe) <sub>2</sub> Cl] (M=Mo, W) and Bonding Analyses of the Mi $\frac{1}{2}$ Gei $\frac{1}{2}$ Gei $\frac{1}{2}$ M Chain. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5979-5985.	13.8	60
20	Sii $\frac{3}{4}$ P Double Bonds: Experimental and Theoretical Study of an NHC-stabilized Phosphasilylenylidene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2739-2744.	13.8	59
21	Tungsten-mediated Activation of a Pb <sup>II</sup> -N bond: A New Route to Tungsten-lead Triple Bonds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5799-5802.	13.8	52
22	Metal-silicon Triple Bonds: Nucleophilic Addition and Redox Reactions of the Silylidyne Complex [Cp(CO) <sub>2</sub> Mo $\frac{1}{2}$ Si $\frac{1}{2}$ R]. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1122-1126.	13.8	52
23	Insertion of Cp*GeCl into a Tungsten-chlorine Bond and Crystal Structures of the Gernylidynes Cp*GeCl, [Cp*GeBr] <sub>2</sub> , and [Cp*Ge][BF <sub>4</sub> ] (Cp* = Pentamethylcyclopentadienyl). <i>Organometallics</i> , 1998, 17, 4176-4182.	2.3	51
24	Observing the Formation and the Reactivity of an Octahedral Iron(V) Nitrido Complex in Real Time. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12833-12837.	13.8	51
25	Manganese-tin Triple Bonds: A New Synthetic Route to the Manganese Stannylidyne Complex Cation <i>trans</i> -[H(dmpe) <sub>2</sub> Mn $\frac{1}{2}$ Sn(C <sub>6</sub> H <sub>3</sub> -2,6-Mes <sub>2</sub> )] <sup>+</sup> (dmpe = Me <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PMe <sub>2</sub> , Mes =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 377 Td4 (MeSi(CH <sub>3</sub> ) <sub>2</sub> ) <sub>3</sub>	4.1	47
26	Open-shell Complexes Containing Metal-germanium Triple Bonds. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 789-793.	13.8	44
27	Rhenium-germanium Triple Bonds: Syntheses and Reactions of the Gernylidyne Complexes <i>trans</i> -[X <sub>2</sub> (PMe <sub>3</sub> ) <sub>3</sub> Re $\frac{1}{2}$ Ge $\frac{1}{2}$ R] (X=Cl, I, H; R= <i>mer</i> -terphenyl). <i>Chemistry - A European Journal</i> , 2013, 19, 5676-5686.	13.8	42
28	Triple bonds of niobium with silicon, germanium and tin: the tetrylidyne complexes [( $\eta^3$ -tmps)(CO) <sub>2</sub> Nb(E)R] (E = Si, Ge, Sn; tmps =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 Td4 (MeSi(CH <sub>3</sub> ) <sub>2</sub> ) <sub>3</sub>	4.1	40
29	Planar Tetracoordinated Silicon (ptSi): Room-Temperature Stable Compounds Containing Anti-vanadium Hoff/Le Bel Silicon. <i>Journal of the American Chemical Society</i> , 2021, 143, 420-432.	13.7	39
30	Metal-silicon Triple Bonds: Access to [Si( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> )] <sup>+</sup> from SiX <sub>2</sub> (NHC) and its Conversion to the Silylidyne Complex [Tp <sup>+</sup> Me(CO) <sub>2</sub> MoSi( $\eta^3$ -C <sub>5</sub> Me <sub>5</sub> )] (Tp <sup>+</sup> =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 292 Td (i $\eta^3$ -hydridotris(3,5-	2.3	38
31	2018, 37, 772-780. Neutral Lewis Base Adducts of Silicon Tetraazide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8013-8016.	13.8	37
32	Addition of Small Electrophiles to N-Heterocyclic-Carbene-Stabilized Disilicon(O): A Revisit of the Isolobal Concept in Low-Valent Silicon Chemistry. <i>Journal of the American Chemical Society</i> , 2016, 138, 4589-4600.	13.7	37
33	Coordination Chemistry of [E(Idipp)] <sup>2+</sup> Ligands (E = Ge, Sn): Metal Gernylidyne [Cp*(CO) <sub>2</sub> W $\frac{1}{2}$ Ge(Idipp)] <sup>+</sup> and Metallotetrylene [Cp*(CO) <sub>3</sub> W $\frac{1}{2}$ E(Idipp)] <sup>+</sup> Cations. <i>Organometallics</i> , 2017, 36, 1530-1540.	2.3	34
34	Linearly Two-Coordinated Silicon: Transition Metal Complexes with the Functional Groups M $\frac{1}{2}$ Si $\frac{1}{2}$ M and M $\frac{1}{2}$ Si $\frac{1}{2}$ M. <i>Journal of the American Chemical Society</i> , 2018, 140, 7187-7198.	13.7	34
35	Germanium(ii) azides: synthesis and crystal structure of Tp <sup>+</sup> GeN <sub>3</sub> [Tp <sup>+</sup> = hydrotris(3,5-dimethylpyrazol-1-yl)borato]. <i>Chemical Communications</i> , 1998, , 2327-2328.	4.1	33
36	Dreifachbindung zu Zinn: Synthese und Charakterisierung des Stannylidinkomplexes <i>trans</i> -[Cl(PMe <sub>3</sub> ) <sub>4</sub> W $\frac{1}{2}$ Sn $\frac{1}{2}$ C <sub>6</sub> H <sub>3</sub> -2,6-Mes <sub>2</sub> ]. <i>Angewandte Chemie</i> , 2003, 115, 461-464.	2.0	33

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37	Electron-Rich Trichlorogermyl Complexes of Molybdenum and Tungsten Bearing a Cyclopentadienyl Ligand: A Synthesis, Crystal Structures, and Cyclic Voltammetric Studies. <i>Organometallics</i> , 1999, 18, 2649-2659.	2.3	31
38	The Photochemistry of [Fe <sup>III</sup> N <sub>3</sub> (cyclam)]PF <sub>6</sub> at 266 nm. <i>Chemistry - A European Journal</i> , 2012, 18, 3043-3055.	3.3	31
39	Insertion of GeCl <sub>2</sub> into molybdenum-hydrogen bonds: A convenient route to dichlorogermyl complexes. <i>Journal of Organometallic Chemistry</i> , 1997, 544, 225-231.	1.8	30
40	Silicon chemistry: the NHC-stabilised silicon halides Si <sub>2</sub> X <sub>2</sub> (Idipp) <sub>2</sub> (X = Br, I) and the disilicon-iodido cation [Si <sub>2</sub> (I)(Idipp) <sub>2</sub> ] <sup>+</sup> . <i>Chemical Science</i> , 2015, 6, 6515-6524.	7.4	28
41	Metal-carbon multiple bonds: Half-sandwich phenylcarbyne complexes of chromium synthesis, structure, electrochemistry and reactions with PMe <sub>3</sub> . <i>Journal of Organometallic Chemistry</i> , 1997, 541, 333-343.	1.8	27
42	Stereoselective insertion of GeCl <sub>2</sub> into tungsten-chlorine bonds of aminomethylene and aminocarbyne complexes. <i>Journal of Organometallic Chemistry</i> , 2001, 628, 11-24.	1.8	25
43	Si- <sup>3</sup> /4P Double Bonds: Experimental and Theoretical Study of an NHC-stabilized Phosphasilylenylidene. <i>Angewandte Chemie</i> , 2015, 127, 2777-2782.	2.0	25
44	Dimetallagermanes of molybdenum and tungsten: synthesis, structure and reactions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 2029-2036.	1.1	24
45	Ultrafast primary processes of an iron-(iii) azido complex in solution induced with 266 nm light. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6165.	2.8	24
46	[2+2+1] Cycloadditions of Bis(dialkylamino)acetylenes with Si <sub>2</sub> (Idip): Syntheses and Reactivity Studies of Unprecedented 2,3,4,5-tetraamino-1,2-siloles. <i>Chemistry - A European Journal</i> , 2014, 20, 9280-9289.	3.3	24
47	Oxidation of germanium(II) azides with HN <sub>3</sub> : a convenient route to six-co-ordinate triazidogermanium(IV) compounds. <i>Dalton Transactions RSC</i> , 2000, , 1759-1768.	2.3	23
48	The Si <sub>2</sub> H radical supported by two N-heterocyclic carbenes. <i>Chemical Science</i> , 2016, 7, 4973-4979.	7.4	19
49	Carbene Complexes of Divalent Chromium. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 876-878.	4.4	15
50	Neuartige Silane mit sterisch anspruchsvollen Aryl-Substituenten. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 253-259.	1.2	14
51	One-Electron Oxidation of a Disilicon(0) Compound: An Experimental and Theoretical Study of [Si <sub>2</sub> ] <sup>+</sup> Trapped by N-Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2015, 21, 12509-12516.	3.3	13
52	NHC-stabilized Silicon(II) Halides: Reactivity Studies with Diazoalkanes and Azides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 1287-1294.	1.2	12
53	(NHC)Si-C-N-R: A Two-Coordinated Si <sup>0</sup> -Isocyanide Compound as Si(NHC) Transfer Reagent. <i>Journal of the American Chemical Society</i> , 2021, 143, 14780-14794.	13.7	11
54	Carbenkomplexe des zweiwertigen Chroms. <i>Angewandte Chemie</i> , 1996, 108, 981-983.	2.0	8

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55	Tris[2,2,6,6-tetramethyl-8-(trimethylsilyl)benzo[1,2- <i>d</i> ;4,5- <i>d</i> ] <sup>2</sup> bis(1,3-dithiol)-4-yl]methanol diethyl ether monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 539-542.	0.5	2