

Alexander C Filippou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5375394/publications.pdf>

Version: 2024-02-01

55
papers

3,396
citations

117625

34
h-index

144013

57
g-index

69
all docs

69
docs citations

69
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Planar Tetracoordinated Silicon (ptSi): Room-Temperature Stable Compounds Containing Anti-vanâ€™t Hoff/Le Bel Silicon. <i>Journal of the American Chemical Society</i> , 2021, 143, 420-432.	13.7	39
2	(NHC)Siâ€•Câ€•Nâ€•R: A Two-Coordinated Si⁰-Isocyanide Compound as Si(NHC) Transfer Reagent. <i>Journal of the American Chemical Society</i> , 2021, 143, 14780-14794.	13.7	11
3	Linearly Two-Coordinated Silicon: Transition Metal Complexes with the Functional Groups Mâ€™Siâ€™M and Mâ€™Siâ€™M. <i>Journal of the American Chemical Society</i> , 2018, 140, 7187-7198.	13.7	34
4	Metalâ€™Silicon Triple Bonds: Access to [Si(â€™ ³ -C ⁵ Me ⁵)] ⁺ from SiX ₂ (NHC) and its Conversion to the Silylidyne Complex [Tp ⁺ Me(CO) ₂ MoSi(â€™ ³ -C ⁵ Me ⁵)] (Tp ⁺ Me =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 612 Td (â€™ ³ -N</i>, <i>N</i>â€™ ² , <i>N</i>â€™ ³ -hydridotris(3,5-	2.3	38
5	2018, 37, 772-780. Tris[2,2,6,6-tetramethyl-8-(trimethylsilyl)benzo[1,2- <i>d</i> ;4,5- <i>d</i>]bis(1,3-dithiol-4-yl)methanol diethyl ether monosolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 539-542.	0.5	2
6	Coordination Chemistry of [E(Idipp)] ²⁺ Ligands (E = Ge, Sn): Metal Gernylidyne [Cp ⁺ (CO) ₂ Wâ€™Ge(Idipp)] ⁺ and Metallotetrylene [Cp ⁺ (CO) ₃ Wâ€™E(Idipp)] ⁺ Cations. <i>Organometallics</i> , 2017, 36, 1530-1540.	2.3	34
7	Triple bonds of niobium with silicon, germanium and tin: the tetrylidyne complexes [(â€™ ³ -tmpr)(CO) ₂ Nbâ€™Eâ€™R] (E = Si, Ge, Sn; tmpr =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 497 Td	2.3	38
8	The Si₂H radical supported by two N-heterocyclic carbenes. <i>Chemical Science</i> , 2016, 7, 4973-4979.	7.4	19
9	NHCâ€™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
10	Addition of Small Electrophiles to N-Heterocyclic-Carbene-Stabilized Disilicon(0): 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
11	Siiâ€™P Double Bonds: Experimental and Theoretical Study of an NHCâ€™stabilized Phosphasilylenylidene. <i>Angewandte Chemie</i> , 2015, 127, 2777-2782.	2.0	25
12	Oneâ€™Electron Oxidation of a Disilicon(0) Compound: An Experimental and Theoretical Study of [Si₂] ⁺ Trapped by Nâ€™Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2015, 21, 12509-12516.	3.3	13
13	Siiâ€™Si Double Bonds: Synthesis of an NHCâ€™stabilized Disilavinylidene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9980-9985.	13.8	77
14	Silicon(<sc>i</sc>) chemistry: the NHC-stabilised silicon(<sc>i</sc>) halides Si₂X₂(Idipp)₂ (X = Br, I) and the disilicon(<sc>i</sc>)-iodido cation [Si₂(I)(Idipp)₂] ⁺ . <i>Chemical Science</i> , 2015, 6, 6515-6524.	7.4	28
15	Siiâ€™P Double Bonds: Experimental and Theoretical Study of an NHCâ€™stabilized Phosphasilylenylidene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2739-2744.	13.8	59
16	Siliconâ€™Oxygen Double Bonds: A Stable Silanone with a Trigonalâ€™Planar Coordinated Silicon Center. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 565-570.	13.8	197
17	[2+2+1] Cycloadditions of Bis(dialkylamino)acetylenes with Si₂(Idip): Syntheses and Reactivity Studies of Unprecedented 2,3,4,5â€™tetraaminoâ€™siloles. <i>Chemistry - A European Journal</i> , 2014, 20, 9280-9289.	2.3	24
18	Rheniumâ€™Germanium Triple Bonds: Syntheses and Reactions of the Gernylidyne Complexes <i>mer</i>â€™[X₂(PMe₃)₃Reiâ€™½Geiâ€™R] (X=Cl, I, H; R=<i>m</i>â€™terphenyl). <i>Chemistry - A European Journal</i> , 2013, 19, 5676-5686.	2.3	42

#	ARTICLE	IF	CITATIONS
19	Silicon(II) Coordination Chemistry: N- σ -Heterocyclic Carbene Complexes of Si ²⁺ and Si ⁺ . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6974-6978.	13.8	119
20	Manganese-Tin Triple Bonds: A New Synthetic Route to the Manganese Stannyldiyne Complex Cation $[\text{H}(\text{dmpe})_2\text{Mn}(\text{Sn}(\text{C}_6\text{H}_3-2,6\text{-Mes})_2)]^+$ (dmpe = Me ₂ PCH ₂ CH ₂ PMe ₂ , Mes = Tj) <i>ETQqO O 0 rgBT /Overlock 10 Tf 50 692 Td</i>	13.8	47
21	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
22	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
23	Metal Activation of a Germolenoid, a New Approach to Metal-Germanium Triple Bonds: Synthesis and Reactions of the Germolydiyne Complexes $[\text{Cp}(\text{CO})_2\text{M}(\text{Ge}(\text{SiMe}_3)_3)_3]$ (M = Mo, W). <i>Organometallics</i> , 2012, 31, 748-755.	2.3	70
24	The Photochemistry of $[\text{Fe}^{\text{III}}\text{N}_3(\text{cyclam})\text{PF}_6]$ at 266 nm. <i>Chemistry - A European Journal</i> , 2012, 18, 3043-3055.	3.3	31
25	Open-Shell Complexes Containing Metal-Germanium Triple Bonds. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 789-793.	13.8	44
26	Metal-Silicon Triple Bonds: Nucleophilic Addition and Redox Reactions of the Silyldiyne Complex $[\text{Cp}(\text{CO})_2\text{Mo}(\text{Si}(\text{Et})_3)]$. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1122-1126.	13.8	52
27	Chromium-Silicon Multiple Bonds: The Chemistry of Terminal N-Heterocyclic Carbene-Stabilized Halosilyldiyne Ligands. <i>Chemistry - A European Journal</i> , 2011, 17, 13574-13583.	3.3	73
28	Stable N-Heterocyclic Carbene Adducts of Arylchlorosilylenes and Their Germanium Homologues. <i>Chemistry - A European Journal</i> , 2010, 16, 2866-2872.	3.3	143
29	Metal-Silicon Triple Bonds: The Molybdenum Silyldiyne Complex $[\text{Cp}(\text{CO})_2\text{Mo}(\text{Si}(\text{Et})_3)]$. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3296-3300.	13.8	132
30	Neutral Lewis Base Adducts of Silicon Tetraazide. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8013-8016.	13.8	37
31	SiBr ₂ (Idipp): A Stable N-Heterocyclic Carbene Adduct of Dibromosilylene. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5687-5690.	13.8	244
32	Neuartige Silane mit sterisch anspruchsvollen Aryl-Substituenten. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 253-259.	1.2	14
33	Tungsten-Mediated Activation of a Pb- π -N bond: A New Route to Tungsten-Lead Triple Bonds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5799-5802.	13.8	52
34	Activation of Aryl Germanium(II) Chlorides by $[\text{Mo}(\text{PMe}_3)_6]$ and $[\text{W}(\text{I}-2\text{-CH}_2\text{PMe}_2)\text{H}(\text{PMe}_3)_4]$: A New Route to Metal-Germanium Triple Bonds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5987-5991.	13.8	70
35	Ge ₂ Trapped by Triple Bonds between Two Metal Centers: The Germolydiyne Complexes $[\text{Cl}(\text{depe})_2\text{M}(\text{Ge}(\text{SiMe}_3)_2)_2\text{M}(\text{depe})_2\text{Cl}]$ (M=Mo, W) and Bonding Analyses of the $[\text{M}(\text{Ge}(\text{SiMe}_3)_2)_2\text{M}]$ Chain. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5979-5985.	13.8	60
36	Triple Bond to Lead: Synthesis and Characterization of the Plumbidyne Complex $[\text{Br}(\text{PMe}_3)_4\text{M}(\text{Pb}(\text{C}_6\text{H}_3-2,6\text{-Trip}_2)]$. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2243-2247.	13.8	82

#	ARTICLE	IF	CITATIONS
37	Tungsten-Lead Triple Bonds: Syntheses, Structures, and Coordination Chemistry of the Plumbidyne Complexes $\text{trans-[X(PMe}_3)_4\text{W?Pb(2,6-Trip}_2\text{C}_6\text{H}_3)]$. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6512-6516.	13.8	81
38	Halide Substitution Reactions of the Germylidyne Complexes $\text{trans-[X(dppe)}_2\text{W?Ge(}^i\text{-1-Cp}^*)]$ (X = Cl, I; dppe) $\text{Tj E}^j\text{Q}^0\text{0 0 0 rgBT /Over}$	2.3	61
39	Dreifachbindung zu Zinn: Synthese und Charakterisierung des Stannylidinkomplexes $\text{trans-[Cl(PMe}_3)_4\text{W?}^i\text{Sn}^i\text{C}_6\text{H}_3\text{-2,6-Mes}_2]$. <i>Angewandte Chemie</i> , 2003, 115, 461-464.	2.0	33
40	Triple Bonding to Tin: Synthesis and Characterization of the Stannylyne Complex $\text{trans-[Cl(PMe}_3)_4\text{W?}^i\text{Sn}^i\text{C}_6\text{H}_3\text{-2,6-Mes}_2]$. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 445-447.	13.8	88
41	Triple Bonding to Tin: Synthesis and Characterization of the Square-Pyramidal Stannylyne Complex Cation $[(\text{dppe})_2\text{W?}^i\text{Sn}^i\text{C}_6\text{H}_3\text{-2,6-Mes}_2]^+$ (dppe = $\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2$, Mes = $\text{C}_6\text{H}_2\text{-2,4,6-Me}_3$). <i>Organometallics</i> , 2003, 22, 3339-3341.	2.3	80
42	Molybdenum and Tungsten Germylyne Complexes of the General Formula $\text{trans-[X(dppe)}_2\text{M?Ge(}^i\text{-1-Cp}^*)]$ (X) $\text{Tj E}^j\text{Q}^0\text{0 0 0 rgBT /Over}$ Features of the Germylyne Ligand. <i>Organometallics</i> , 2002, 21, 653-661.	2.3	97
43	The Hexaazidosilicate(IV) Ion: Synthesis, Properties, and Molecular Structure. <i>Journal of the American Chemical Society</i> , 2002, 124, 12396-12397.	13.7	86
44	Stereoselective insertion of GeCl_2 into tungsten-chlorine bonds of aminomethylene and aminocarbyne complexes. <i>Journal of Organometallic Chemistry</i> , 2001, 628, 11-24.	1.8	25
45	Synthesis and Structure of the Germylyne Complexes $\text{trans-[X(dppe)}_2\text{W?Ge(}^i\text{-1-Cp}^*)]$ (X=Cl, Br, I) and Comparison of the W?E Bonds (E=C, Ge) by Density Functional Calculations. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2778-2781.	13.8	98
46	The Hexaazidogermanate(IV) Ion: Syntheses, Structures, and Reactions. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4333-4336.	13.8	60
47	Oxidation of germanium(II) azides with HN_3 : a convenient route to six-co-ordinate triazidogermanium(IV) compounds. <i>Dalton Transactions RSC</i> , 2000, , 1759-1768.	2.3	23
48	Electron-Rich Trichlorogermyl Complexes of Molybdenum and Tungsten Bearing a Cyclopentadienyl Ligand: Synthesis, Crystal Structures, and Cyclic Voltammetric Studies. <i>Organometallics</i> , 1999, 18, 2649-2659.	2.3	31
49	Germanium(ii) azides: synthesis and crystal structure of Tp?GeN_3 [$\text{Tp}^2 = \text{hydrotris(3,5-dimethylpyrazol-1-yl)borato}$]. <i>Chemical Communications</i> , 1998, , 2327-2328.	4.1	33
50	Dimetallagermanes of molybdenum and tungsten: synthesis, structure and reactions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 2029-2036.	1.1	24
51	Insertion of Cp^*GeCl into a Tungsten-Chlorine Bond and Crystal Structures of the Germylenes Cp^*GeCl , $[\text{Cp}^*\text{GeBr}]_2$, and $[\text{Cp}^*\text{Ge}][\text{BF}_4]$ ($\text{Cp}^* = \text{Pentamethylcyclopentadienyl}$). <i>Organometallics</i> , 1998, 17, 4176-4182.	2.3	51
52	Metal-carbon multiple bonds: Half-sandwich phenylcarbyne complexes of chromium synthesis, structure, electrochemistry and reactions with PMe_3 . <i>Journal of Organometallic Chemistry</i> , 1997, 541, 333-343.	1.8	27
53	Insertion of GeCl_2 into molybdenum-hydrogen bonds: A convenient route to dichlorogermyl complexes. <i>Journal of Organometallic Chemistry</i> , 1997, 544, 225-231.	1.8	30
54	Carbenkomplexe des zweiwertigen Chroms. <i>Angewandte Chemie</i> , 1996, 108, 981-983.	2.0	8

#	ARTICLE	IF	CITATIONS
55	Carbene Complexes of Divalent Chromium. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 876-878.	4.4	15