

# Marcus Layh

## List of Publications by Year in descending order

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12  
papers

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#	ARTICLE	IF	CITATIONS
1	Hydrosilylation and Hydrogermylation of CO <sub>2</sub> and CS <sub>2</sub> by Al and Ga Functionalized Silanes and Germanes – Cooperative Reactivity with Formation of Silyl Formates and Disilylacetals. European Journal of Inorganic Chemistry, 2020, 2020, 4024-4036.	2.0	6
2	P-H Functionalized Al/P-Based Frustrated Lewis Pairs in Dipolar Activation and Hydrophosphination: Reactions with CO <sub>2</sub> and SO <sub>2</sub> . Organometallics, 2019, 38, 2839-2852.	2.3	25
3	Aluminium Functionalized Germanes: Intramolecular Activation of Ge-H Bonds, Formation of a Dihydrogen Bond and Facile Hydrogermylation of Unsaturated Substrates. European Journal of Inorganic Chemistry, 2019, 2019, 3287-3300.	2.0	11
4	Silicon-Halogen Bond Activation in Mixed Si/Al Compounds and an Approach to Intramolecular Stabilized Silylium Ions. European Journal of Inorganic Chemistry, 2019, 2019, 693-711.	2.0	6
5	Hydroalumination of Oligoalkynylgermanes and -digermanes – Reactions with Heterocumulenes by Al-C or Ge-C Bond Activation and Formation of a Hexazenedialuminum Complex. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 945-955.	1.2	11
6	Si-Bond Activation in Aluminium-Functionalized Alkynylchlorogermanes: Facile Insertion of Isocyanate and Azide into Al-C and Ge-Cl Bonds. European Journal of Inorganic Chemistry, 2016, 2016, 4170-4178.	2.0	6
7	Hydroalumination and hydrogallation of an aryl-chloro-dialkynylsilane: Si-Cl bond activation by intramolecular Al-Cl and Ga-Cl interactions. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 509-520.	0.7	9
8	Functionalized alkynyl-chlorogermanes: hydrometallation, Ge-Cl bond activation, Ge-H bond formation and chlorine-tert-butyl exchange via a transient germyl cation. Dalton Transactions, 2016, 45, 6159-6174.	3.3	15
9	Cooperative Ge-N Bond Activation in Aluminium-Functionalised Aminogermanes and Spontaneous Imine Elimination via an Intermediate Germyl Cation. Chemistry - A European Journal, 2015, 21, 2638-2650.	3.3	19
10	Hydrometallation of amino-trialkynylsilanes – intramolecular M-N interactions (M = Al, Ga) and potential activation of Si-N bonds. Dalton Transactions, 2014, 43, 14386-14398.	3.3	18
11	Cooperative Ge-N Bond Activation in Hydrogallation Products of Alkynyl(diethylamino)germanes (Et <sub>2</sub> N) <sub>n</sub> Ge(C≡CtBu) <sub>4-n</sub> . Organometallics, 2013, 32, 6770-6779.	2.3	25
12	cis/trans Isomerism of Hydroalumination and Hydrogallation Products – Reflections on Stability and Rearrangement Mechanism. Chemistry - A European Journal, 2008, 14, 11557-11564.	3.3	61