Matthew M D Roy

List of Publications by Year
in descending order

19	679	687363 13	794594 19
papers	citations	h-index	g-index

20	20	20	539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pushing Chemical Boundaries with N-Heterocyclic Olefins (NHOs): From Catalysis to Main Group Element Chemistry. Accounts of Chemical Research, 2017, 50, 2017-2025.	15.6	166
2	Molecular Main Group Metal Hydrides. Chemical Reviews, 2021, 121, 12784-12965.	47.7	147
3	A vinyl silylsilylene and its activation of strong homo- and heteroatomic bonds. Chemical Science, 2019, 10, 6476-6481.	7.4	52
4	Probing the Extremes of Covalency in Mâ˜Al bonds: Lithium and Zinc Aluminyl Compounds. Angewandte Chemie - International Edition, 2021, 60, 22301-22306.	13.8	46
5	Neutral, Cationic and Hydrideâ€substituted Siloxygermylenes. Chemistry - A European Journal, 2018, 24, 14392-14399.	3.3	44
6	Accessing Lowâ€Valent Inorganic Cations by Using an Extremely Bulky Nâ€Heterocyclic Carbene. Chemistry - A European Journal, 2017, 23, 11249-11252.	3.3	35
7	Investigation of Nâ€Heterocyclic Carbeneâ€Supported Group 12 Triflates as Preâ€catalysts for Hydrosilylation/Borylation. Chemistry - A European Journal, 2016, 22, 18236-18246.	3.3	25
8	A Stable Homoleptic Divinyl Tetrelene Series. Chemistry - A European Journal, 2021, 27, 8572-8579.	3.3	25
9	Coordination and Homologation of CO at Al(I): Mechanism and Chain Growth, Branching, Isomerization, and Reduction. Journal of the American Chemical Society, 2022, 144, 12942-12953.	13.7	25
10	Generation of a Ï€â€Bonded Isomer of [P₄]^{4â˜}by Aluminyl Reduction of White Phosphorus and its Ammonolysis to PH₃. Angewandte Chemie - International Edition, 2021, 60, 26550-26554.	13.8	22
11	Approaching monocoordination at a silver(<scp>i</scp>) cation. Chemical Communications, 2018, 54, 483-486.	4.1	21
12	Probing the Extremes of Covalency in Mâ˜Al bonds: Lithium and Zinc Aluminyl Compounds. Angewandte Chemie, 2021, 133, 22475-22480.	2.0	16
13	Linking Low-Coordinate Ge(II) Centers via Bridging Anionic N-Heterocyclic Olefin Ligands. Inorganic Chemistry, 2020, 59, 1592-1601.	4.0	15
14	Structural Snapshots in Reversible Phosphinidene Transfer: Synthetic, Structural, and Reaction Chemistry of a Snâ•P Double Bond. Journal of the American Chemical Society, 2022, 144, 8908-8913.	13.7	11
15	Desorption of hydrogen from light metal hydrides: concerted electronic rearrangement and role of Hâ‹¯H interactions. Chemical Communications, 2014, 50, 3820-3823.	4.1	9
16	Generation of a Ï€â€Bonded Isomer of [P 4] 4- by Aluminyl Reduction of White Phosphorus and its Ammonolysis to PH 3. Angewandte Chemie, 2021, 133, 26754.	2.0	9
17	Nâ€Heterocyclic Carbene Reactivity Towards Mercurous Chloride. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1232-1235.	1.2	7
18	Reaction of a bis(pentafulvene)titanium complex with an N-heterocyclic olefin: Câ€“H-activation leads to resonance between a titanium vinyl and titanium alkylidene complex. Dalton Transactions, 2022, 51, 10690-10696.	3.3	3

#	Article	IF	Citations
19	Neutral, Cationic and Hydride-Substituted Siloxygermylenes. Chemistry - A European Journal, 2018, 24, 14294-14294.	3.3	0