

# Matthew M D Roy

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

679  
citations

687363

13  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction of a bis(pentafulvene)titanium complex with an N-heterocyclic olefin: C-H-activation leads to resonance between a titanium vinyl and titanium alkylidene complex. Dalton Transactions, 2022, 51, 10690-10696.	3.3	3
2	Structural Snapshots in Reversible Phosphinidene Transfer: Synthetic, Structural, and Reaction Chemistry of a Sn-P Double Bond. Journal of the American Chemical Society, 2022, 144, 8908-8913.	13.7	11
3	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
4	A Stable Homoleptic Divinyl Tetrelene Series. Chemistry - A European Journal, 2021, 27, 8572-8579.	3.3	25
5	Molecular Main Group Metal Hydrides. Chemical Reviews, 2021, 121, 12784-12965.	47.7	147
6	Probing the Extremes of Covalency in M-Al bonds: Lithium and Zinc Alumanyl Compounds. Angewandte Chemie, 2021, 133, 22475-22480.	2.0	16
7	Probing the Extremes of Covalency in M-Al bonds: Lithium and Zinc Alumanyl Compounds. Angewandte Chemie - International Edition, 2021, 60, 22301-22306.	13.8	46
8	Generation of a P-Bonded Isomer of [P <sub>4</sub> ] <sup>4-</sup> by Alumanyl Reduction of White Phosphorus and its Ammonolysis to PH <sub>3</sub> . Angewandte Chemie, 2021, 133, 26754.	2.0	9
9	Generation of a P-Bonded Isomer of [P <sub>4</sub> ] <sup>4-</sup> by Alumanyl Reduction of White Phosphorus and its Ammonolysis to PH <sub>3</sub> . Angewandte Chemie - International Edition, 2021, 60, 26550-26554.	13.8	22
10	Linking Low-Coordinate Ge(II) Centers via Bridging Anionic N-Heterocyclic Olefin Ligands. Inorganic Chemistry, 2020, 59, 1592-1601.	4.0	15
11	A vinyl silylsilylene and its activation of strong homo- and heteroatomic bonds. Chemical Science, 2019, 10, 6476-6481.	7.4	52
12	Approaching monocoordination at a silver(I) cation. Chemical Communications, 2018, 54, 483-486.	4.1	21
13	Neutral, Cationic and Hydride-Substituted Siloxygermylenes. Chemistry - A European Journal, 2018, 24, 14294-14294.	3.3	0
14	Neutral, Cationic and Hydride-Substituted Siloxygermylenes. Chemistry - A European Journal, 2018, 24, 14392-14399.	3.3	44
15	Accessing Low-Valent Inorganic Cations by Using an Extremely Bulky N-Heterocyclic Carbene. Chemistry - A European Journal, 2017, 23, 11249-11252.	3.3	35
16	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
17	N-Heterocyclic Carbene Reactivity Towards Mercurous Chloride. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1232-1235.	1.2	7
18	Investigation of N-Heterocyclic Carbene-Supported Group 12 Triflates as Pre-catalysts for Hydrosilylation/Borylation. Chemistry - A European Journal, 2016, 22, 18236-18246.	3.3	25

#	ARTICLE	IF	CITATIONS
19	Desorption of hydrogen from light metal hydrides: concerted electronic rearrangement and role of $H\delta^+H$ interactions. <i>Chemical Communications</i> , 2014, 50, 3820-3823.	4.1	9