

# Mahendra Kumar Sharma

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

592  
citations

516561

16  
h-index

642610

23  
g-index

31  
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31  
docs citations

31  
times ranked

393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-talented Gallaphosphene for Ga <sup>III</sup> P <sup>III</sup> Ga Heteroallyl Cation Generation, CO <sub>2</sub> Storage, and C(sp <sup>3</sup> )-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6784-6790.	7.2	46
2	A Modular Access to Divinyldiphosphenes with a Strikingly Small HOMO-LUMO Energy Gap. <i>Chemistry - A European Journal</i> , 2019, 25, 8127-8134.	1.7	40
3	Diphosphene radical cations and dications with a $\pi$ -conjugated C <sub>2</sub> P <sub>2</sub> C <sub>2</sub> -framework. <i>Chemical Communications</i> , 2019, 55, 10408-10411.	2.2	36
4	An Open-shell Singlet Sn <sup>I</sup> -Diradical and H <sub>2</sub> -Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6414-6418.	7.2	34
5	Crystalline Divinyldiarsene Radical Cations and Dications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17599-17603.	7.2	31
6	Crystalline Divinyldiarsenes and Cleavage of the As=As Bond. <i>Chemistry - A European Journal</i> , 2019, 25, 8249-8253.	1.7	31
7	Synthesis and Reactivity of <i>N</i> -Aminotroponiminatogermylene-pyrrole and Its Derivatives. <i>Organometallics</i> , 2013, 32, 3830-3836.	1.1	30
8	Expanding the limits of catalysts with low-valent main-group elements for the hydroboration of aldehydes and ketones using [L <sup>+</sup> Sn( <sup>ii</sup> )](OTf) (L <sup>+</sup> = aminotroponate; Tj ETQ 0 0 0 0 /Overlo	1.6	30
9	Ge( <sup>ii</sup> ) cation catalyzed hydroboration of aldehydes and ketones. <i>Dalton Transactions</i> , 2019, 48, 4094-4100.	1.6	30
10	The Preparation of Complexes of Germanone from a Germanium $\mu_4$ -Oxo Dimer. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7742-7746.	7.2	28
11	Catalytic cyanosilylation using germylene stabilized platinum( <sup>ii</sup> ) dicyanide. <i>Dalton Transactions</i> , 2018, 47, 5943-5947.	1.6	24
12	Reversible and Irreversible [2+2] Cycloaddition Reactions of Heteroallenes to a Gallaphosphene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21784-21788.	7.2	22
13	Donor-acceptor-stabilised germanium analogues of acid chloride, ester, and acyl pyrrole compounds: synthesis and reactivity. <i>Chemical Science</i> , 2019, 10, 4402-4411.	3.7	19
14	Isolation of singlet carbene derived 2-phospha-1,3-butadienes and their sequential one-electron oxidation to radical cations and dications. <i>Chemical Science</i> , 2020, 11, 1975-1984.	3.7	19
15	Distannabarrelenes with Three Coordinated Sn <sup>II</sup> Atoms. <i>Chemistry - A European Journal</i> , 2020, 26, 11113-11118.	1.7	19
16	Vielseitiges Gallaphosphen: Von einem Ga <sup>III</sup> P <sup>III</sup> Ga-Heteroallylkation über CO <sub>2</sub> -Speicherung hin zu C(sp <sup>3</sup> )-Bindungsaktivierung. <i>Angewandte Chemie</i> , 2021, 133, 6859-6865.	1.6	19
17	Selective 1,2 addition of polar X-H bonds to the Ga <sup>III</sup> -P double bond of gallaphosphene L(Cl)GaPGaL. <i>Dalton Transactions</i> , 2022, 51, 1612-1616.	1.6	16
18	Electrophilic terminal arsinidene-iron(0) complexes with a two-coordinated arsenic atom. <i>Chemical Communications</i> , 2019, 55, 14669-14672.	2.2	15

#	ARTICLE	IF	CITATIONS
19	Isolation of singlet carbene derived 2-arsa-1,3-butadiene radical cations and dications. Chemical Communications, 2020, 56, 3575-3578.	2.2	14
20	Ein offenschaliges Singulettâ€“Sn <sup>I</sup> â€“Diradikal und H <sub>2</sub> â€“Spaltung. Angewandte Chemie, 2021, 133, 6485-6489.	1.6	12
21	Metalloradical Cations and Dications Based on Divinyldiphosphene and Divinyldiarsene Ligands. Chemistry - A European Journal, 2021, 27, 5803-5809.	1.7	12
22	Reactivity of LGeâ€“NR <sub>2</sub> and LGe(E)â€“NR <sub>2</sub> over LGeâ€“Cl and LGe(E)â€“Cl toward Me <sub>3</sub> SiX (L = Aminotroponimate; NR <sub>2</sub> =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (N(SiMe <sub>3</sub> ) <sub>3</sub> ) Organometallics, 2016, 35, 429-438.	1.1	11
23	Pseudohalogenogermylenes versus Halogenogermylenes: Difference in their Complexation Behavior towards Group 6 Metal Carbonyls. Chemistry - an Asian Journal, 2018, 13, 1357-1365.	1.7	11
24	Bisâ€“Phosphaketenes LM(PCO) <sub>2</sub> (M=Ga, In): A New Class of Reactive Group 13 Metalâ€“Phosphorus Compounds. Chemistry - A European Journal, 2022, 28, .	1.7	11
25	A Prelude to Biogermylene Chemistry**. Angewandte Chemie - International Edition, 2020, 59, 21377-21381.	7.2	8
26	Reversible und irreversible [2+2]â€“Cycloadditionen von Heteroallenen an ein Gallaphosphen. Angewandte Chemie, 2021, 133, 21953-21957.	1.6	7
27	Germylene stabilized group 12 metal complexes and their reactivity with chalcogens. Dalton Transactions, 2019, 48, 16366-16376.	1.6	6
28	Crystalline Divinyldiarsene Radical Cations and Dications. Angewandte Chemie, 2019, 131, 17763-17767.	1.6	6
29	Reactivity studies on aminotroponimatogermylene stabilized ruthenium(II) complexes. Journal of Organometallic Chemistry, 2019, 888, 37-43.	0.8	4
30	A Prelude to Biogermylene Chemistry**. Angewandte Chemie, 2020, 132, 21561-21565.	1.6	0