Jasimuddin Ahmed

List of Publications by Year
in descending order

16	445	759233 12	940533 16
papers	citations	h-index	g-index

16	16	16	435
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new face of phenalenyl-based radicals in the transition metal-free Câ€“H arylation of heteroarenes at room temperature: trapping the radical initiator via Câ€“C Ïƒ-bond formation. Chemical Science, 2017, 8, 7798-7806.	7.4	59
2	Tuning the redox non-innocence of a phenalenyl ligand toward efficient nickel-assisted catalytic hydrosilylation. Chemical Science, 2018, 9, 2817-2825.	7.4	46
3	Integrating Organic Lewis Acid and Redox Catalysis: The Phenalenyl Cation in Dual Role. Journal of the American Chemical Society, 2018, 140, 8330-8339.	13.7	45
4	Phenalenyl Radical: Smallest Polycyclic Odd Alternant Hydrocarbon Present in the Graphene Sheet. Chemical Reviews, 2022, 122, 11369-11431.	47.7	41
5	Primary amides to amines or nitriles: a dual role by a single catalyst. Chemical Communications, 2019, 55, 11868-11871.	4.1	40
6	Open-Shell Phenalenyl in Transition Metal-Free Catalytic Câ€“H Functionalization. Journal of Organic Chemistry, 2016, 81, 2432-2441.	3.2	35
7	Transition metal-free catalytic reduction of primary amides using an abnormal NHC based potassium complex: integrating nucleophilicity with Lewis acidic activation. Chemical Science, 2020, 11, 1848-1854.	7.4	33
8	Direct Câ€“H Arylation of Heteroarenes with Aryl Chlorides by Using an Abnormal Nâ€Heterocyclicâ€Carbeneâ€“Palladium Catalyst. European Journal of Organic Chemistry, 2017, 2017, 1004-1011.	2.4	24
9	Mimicking transition metals in borrowing hydrogen from alcohols. Chemical Science, 2021, 12, 8353-8361.	7.4	20
10	NHC-catalyzed silylative dehydration of primary amides to nitriles at room temperature. Chemical Communications, 2020, 56, 575-578.	4.1	19
11	Switching between mono and doubly reduced odd alternant hydrocarbon: designing a redox catalyst. Chemical Science, 2021, 12, 3039-3049.	7.4	17
12	A K-arylacetylide complex for catalytic terminal alkyne functionalization using KO^tBu as a precatalyst. Chemical Communications, 2019, 55, 13860-13863.	4.1	15
13	Bicyclic (alkyl)(amino)carbene stabilized zinc(0) complex with singlet biradicaloid ground state. Chemical Communications, 2021, 57, 5282-5285.	4.1	14
14	Reduced Phenalenyl in Catalytic Dehalogenative Deuteration and Hydrodehalogenation of Aryl Halides. Journal of Organic Chemistry, 2021, 86, 7242-7255.	3.2	14
15	An Ironâ€Based Longâ€Lived Catalyst for Direct Câ€“H Arylation of Arenes and Heteroarenes. Chemistry - A European Journal, 2018, 24, 17651-17655.	3.3	12
16	Designing a Cr-catalyst bearing redox non-innocent phenalenyl-based ligand towards hydrosilylative CO2 functionalization. Chemical Communications, 2020, 56, 13788-13791.	4.1	11