

Ambar Banerjee

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

256
citations

1163117

8
h-index

1058476

14
g-index

32
all docs

32
docs citations

32
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Bonding Directed Assembly and Gelation of Donor-Acceptor Chromophores: Supramolecular Reorganization from a Charge-Transfer State to a Self-Sorted State. Chemistry - A European Journal, 2011, 17, 6061-6066.	3.3	64
2	Benzimidazole linked arylimide based covalent organic framework as gas adsorbing and electrode materials for supercapacitor application. European Polymer Journal, 2017, 93, 448-457.	5.4	47
3	Performance of Localized Coupled Cluster Methods in a Moderately Strong Correlation Regime: Hückel-Möbius Interconversions in Expanded Porphyrins. Journal of Chemical Theory and Computation, 2020, 16, 3641-3653.	5.3	44
4	Performance of Electronic Structure Methods for the Description of Hückel-Möbius Interconversions in Extended π -Systems. Journal of Physical Chemistry A, 2020, 124, 2380-2397.	2.5	22
5	Theoretical Investigations on the Mechanistic Aspects of O_2 Activation by a Biomimetic Dinitrosyl Iron Complex. Chemistry - A European Journal, 2018, 24, 3330-3339.	3.3	16
6	Deciphering the cryptic role of a catalytic electron in a photochemical bond dissociation using excited state aromaticity markers. Physical Chemistry Chemical Physics, 2016, 18, 25308-25314.	2.8	14
7	Ammonia-Borane Dehydrogenation by Means of an Unexpected Pentacoordinate Boron Species: Insights from Density Functional and Molecular Dynamics Studies. Chemistry - A European Journal, 2013, 19, 17673-17678.	3.3	13
8	Unearthing the Mechanism of Prebiotic Nitrile Bond Reduction in Hydrogen Cyanide through a Curious Association of Two Molecular Radical Anions. Chemistry - A European Journal, 2014, 20, 6348-6357.	3.3	11
9	Unraveling the Microscopic Origin of Triplet Lasing from Organic Solids. Journal of Physical Chemistry Letters, 2018, 9, 4314-4318.	4.6	9
10	A Serendipitous Rendezvous with a Four-Center Two-Electron Bonded Intermediate in the Aerial Oxidation of Hydrazine. Chemistry - A European Journal, 2016, 22, 1216-1222.	3.3	6
11	Understanding the Unexpected Product Distribution in the Aerial Oxidation of Carbene-Stabilized Diphosphorus Complex. Chemistry - A European Journal, 2018, 24, 4350-4360.	3.3	4
12	Understanding the Role of Solvents and Spin-Orbit Coupling in an Oxygen-Assisted S_N2 -Type Oxidative Transmetalation Reaction. Chemistry - A European Journal, 2019, 25, 16606-16616.	3.3	2
13	The Role of Copper Salts and O_2 in the Mechanism of $C\equiv N$ Bond Activation for Facilitating Nitrogen Transfer Reactions**. Angewandte Chemie - International Edition, 2022, , .	13.8	2
14	Photoinduced bond oscillations in ironpentacarbonyl give delayed synchronous bursts of carbonmonoxide release. Nature Communications, 2022, 13, 1337.	12.8	2
15	Inside Cover: Hydrogen Bonding Directed Assembly and Gelation of Donor-Acceptor Chromophores: Supramolecular Reorganization from a Charge-Transfer State to a Self-Sorted State (Chem. Eur. J.)	10.784314	0
16	Frontispiece: A Serendipitous Rendezvous with a Four-Center Two-Electron Bonded Intermediate in the Aerial Oxidation of Hydrazine. Chemistry - A European Journal, 2016, 22, .	3.3	0
17	The Role of Copper Salts and O_2 in the Mechanism of $C\equiv N$ Bond Activation for Facilitating Nitrogen Transfer Reactions**. Angewandte Chemie, 2022, 134, .	2.0	0
18	Electronic Structure Changes of an Aromatic Amine Photoacid along the First Cycle. Angewandte Chemie, 0, , .	2.0	0

#	ARTICLE	IF	CITATIONS
19	Innentitelbild: Änderungen der elektronischen Struktur einer Amino-Photosäure entlang des Färber Zyklus (Angew. Chem. 27/2022). Angewandte Chemie, 2022, 134, .	2.0	0