

# 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	The Role of Copper Salts and O <sub>2</sub> in the Mechanism of C≡N Bond Activation for Facilitating Nitrogen Transfer Reactions**. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
2	The Role of Copper Salts and O <sub>2</sub> in the Mechanism of C≡N Bond Activation for Facilitating Nitrogen Transfer Reactions**. <i>Angewandte Chemie - International Edition</i> , 2022, , .	13.8	2
3	Photoinduced bond oscillations in ironpentacarbonyl give delayed synchronous bursts of carbonmonoxide release. <i>Nature Communications</i> , 2022, 13, 1337.	12.8	2
4	Innentitelbild: Änderungen der elektronischen Struktur einer Amino-Photosäure entlang des ersten Zyklus (Angew. Chem. 27/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
5	Performance of Electronic Structure Methods for the Description of Hückel-Möbius Interconversions in Extended $\pi$ -Systems. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2380-2397.	2.5	22
6	Performance of Localized Coupled Cluster Methods in a Moderately Strong Correlation Regime: Hückel-Möbius Interconversions in Expanded Porphyrins. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 3641-3653.	5.3	44
7	Understanding the Role of Solvents and Spin-Orbit Coupling in an Oxygen-Assisted S N <sub>2</sub> Type Oxidative Transmetalation Reaction. <i>Chemistry - A European Journal</i> , 2019, 25, 16606-16616.	3.3	2
8	Theoretical Investigations on the Mechanistic Aspects of O <sub>2</sub> Activation by a Biomimetic Dinitrosyl Iron Complex. <i>Chemistry - A European Journal</i> , 2018, 24, 3330-3339.	3.3	16
9	Understanding the Unexpected Product Distribution in the Aerial Oxidation of Carbene-Stabilized Diphosphorus Complex. <i>Chemistry - A European Journal</i> , 2018, 24, 4350-4360.	3.3	4
10	Unraveling the Microscopic Origin of Triplet Lasing from Organic Solids. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4314-4318.	4.6	9
11	Benzimidazole linked arylimide based covalent organic framework as gas adsorbing and electrode materials for supercapacitor application. <i>European Polymer Journal</i> , 2017, 93, 448-457.	5.4	47
12	A Serendipitous Rendezvous with a Four-Center Two-Electron Bonded Intermediate in the Aerial Oxidation of Hydrazine. <i>Chemistry - A European Journal</i> , 2016, 22, 1216-1222.	3.3	6
13	Deciphering the cryptic role of a catalytic electron in a photochemical bond dissociation using excited state aromaticity markers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25308-25314.	2.8	14
14	Frontispiece: A Serendipitous Rendezvous with a Four-Center Two-Electron Bonded Intermediate in the Aerial Oxidation of Hydrazine. <i>Chemistry - A European Journal</i> , 2016, 22, .	3.3	0
15	Unearthing the Mechanism of Prebiotic Nitrile Bond Reduction in Hydrogen Cyanide through a Curious Association of Two Molecular Radical Anions. <i>Chemistry - A European Journal</i> , 2014, 20, 6348-6357.	3.3	11
16	Ammonia-Borane Dehydrogenation by Means of an Unexpected Pentacoordinate Boron Species: Insights from Density Functional and Molecular Dynamics Studies. <i>Chemistry - A European Journal</i> , 2013, 19, 17673-17678.	3.3	13
17	Hydrogen-Bonding Directed Assembly and Gelation of Donor-Acceptor Chromophores: Supramolecular Reorganization from a Charge-Transfer State to a Self-Sorted State. <i>Chemistry - A European Journal</i> , 2011, 17, 6061-6066.	3.3	64
18	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.)	3.3	64

#	ARTICLE	IF	CITATIONS
19	Electronic Structure Changes of an Aromatic Amine Photoacid along the FÃ¶rster Cycle. Angewandte Chemie, 0, , .	2.0	0