

Rameswar Bhattacharjee

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

802
citations

516710

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610901

24
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all docs

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docs citations

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times ranked

1277
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete Transmetalation in a Metal–Organic Framework by Metal Ion Metathesis in a Single Crystal for Selective Sensing of Phosphate Ions in Aqueous Media. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11528-11532.	13.8	135
2	Electronic and Chemical Properties of Germanene: The Crucial Role of Buckling. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3802-3809.	3.1	125
3	Exclusively Ligand-Mediated Catalytic Dehydrogenation of Alcohols. <i>Inorganic Chemistry</i> , 2016, 55, 9602-9610.	4.0	55
4	Preparation of multi-coloured different sized fluorescent gold clusters from blue to NIR, structural analysis of the blue emitting Au ₇ cluster, and cell-imaging by the NIR gold cluster. <i>Nanoscale</i> , 2015, 7, 1912-1920.	5.6	51
5	Metal-Free Reduction of CO ₂ to Methoxyborane under Ambient Conditions through Borondiformate Formation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15147-15151.	13.8	50
6	Modulation of Fluorescence Resonance Energy Transfer Efficiency for White Light Emission from a Series of Stilbene-Perylene Based Donor–Acceptor Pair. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23178-23189.	3.1	46
7	An Azoaromatic Ligand as Four Electron Four Proton Reservoir: Catalytic Dehydrogenation of Alcohols by Its Zinc(II) Complex. <i>Inorganic Chemistry</i> , 2018, 57, 6816-6824.	4.0	45
8	Direct and Autocatalytic Reductive Elimination from Gold Complexes ([<i>(Ph</i> ₃ <i>P)Au(Ar)(CF</i> ₃ <i>)(X)]</i> , X=F, Cl, Br, I): The Key Role of Halide Ligands. <i>Chemistry - A European Journal</i> , 2017, 23, 4169-4179.	3.3	31
9	Effects of Ancillary Ligands on Redox and Chemical Properties of Ruthenium Coordinated Azoaromatic Pincer. <i>Inorganic Chemistry</i> , 2018, 57, 11995-12009.	4.0	29
10	Mechanistic insights into the synergistic catalysis by Au(<i>scpi</i>), Ga(<i>scpii</i>), and counterions in the Nakamura reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7412-7420.	2.8	28
11	Pseudo Jahn–Teller distortion for a tricyclic carbon sulfide (C ₆ S ₈) and its suppression in S-oxygenated dithiine (C ₄ H ₄ (SO ₂) ₂). <i>Chemical Physics</i> , 2015, 460, 101-105.	1.9	27
12	Complete Transmetalation in a Metal–Organic Framework by Metal Ion Metathesis in a Single Crystal for Selective Sensing of Phosphate Ions in Aqueous Media. <i>Angewandte Chemie</i> , 2016, 128, 11700-11704.	2.0	25
13	Understanding Thermal and Photochemical Aryl–Aryl Cross–Coupling by the Au ^I /Au ^{III} Redox Couple. <i>Chemistry - A European Journal</i> , 2018, 24, 13636-13646.	3.3	21
14	Design and synthesis of capped-paddlewheel-based porous coordination cages. <i>Chemical Communications</i> , 2019, 55, 9527-9530.	4.1	19
15	Transforming atmospheric CO ₂ into alternative fuels: a metal-free approach under ambient conditions. <i>Chemical Science</i> , 2019, 10, 1879-1884.	7.4	19
16	Strain Control: Reversible H ₂ Activation and H ₂ /D ₂ Exchange in Pt Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 3023-3029.	4.0	18
17	Supported Sub-Nanometer Gold Cluster Catalyzed Transfer Hydrogenation of Aldehydes to Alcohols. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24449-24456.	3.1	14
18	Analysis of pseudo jahn–teller distortion based on natural bond orbital theory: Case study for silicene. <i>Journal of Computational Chemistry</i> , 2019, 40, 1488-1495.	3.3	14

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19	Metal-Free Reduction of CO ₂ to Methoxyborane under Ambient Conditions through Borondiformate Formation. <i>Angewandte Chemie</i> , 2016, 128, 15371-15375.	2.0	11
20	Thiol-promoted catalytic synthesis of high-performance furan-containing lubricant base oils from biomass derived 2-alkylfurans and ketones. <i>Green Chemistry</i> , 2020, 22, 7896-7906.	9.0	11
21	Role of Carbon Support for Subnanometer Gold-Cluster-Catalyzed Disiloxane Synthesis from Hydrosilane and Water. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20101-20112.	3.1	9
22	Stabilizing Porosity in Organic Cages through Coordination Chemistry. <i>Inorganic Chemistry</i> , 2021, 60, 7044-7050.	4.0	9
23	Design and synthesis of aryl-functionalized carbazole-based porous coordination cages. <i>Chemical Communications</i> , 2020, 56, 9352-9355.	4.1	8
24	Deoxygenation of nitrosoarene by N-heterocyclic carbene (NHC): an elusive Breslow-type intermediate bridging carbene and nitrene. <i>Chemical Communications</i> , 2020, 56, 12166-12169.	4.1	2