

Totan Mondal

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic implications of the solvent kinetic isotope effect in the hydrolysis of NaBH ₄ . International Journal of Hydrogen Energy, 2022, 47, 3972-3979.	3.8	8
2	Interplay of Hückel and Möbius Aromaticity in Metal-Metal Quintuple Bonded Complexes of Cr, Mo, and W with Amidinate Ligand: Ab initio DFT and Multireference Analysis**. ChemPhysChem, 2021, 22, 298-311.	1.0	3
3	Modulating the radical reactivity of phenyl radicals with the help of distonic charges: it is all about electrostatic catalysis. Chemical Science, 2021, 12, 4800-4809.	3.7	13
4	Na ₃ [Ru ₂ (μ-CO ₃) ₄] as a Homogeneous Catalyst for Water Oxidation; HCO ₃ [−] as a Co-Catalyst. Catalysts, 2021, 11, 281.	1.6	9
5	On the mechanism of reduction of M(H ₂ O) _m ⁿ⁺ by borohydride: the case of Ag(H ₂ O) ₂ ⁺ . Nanoscale, 2020, 12, 1657-1672.	2.8	13
6	On the Differences in the Mechanisms of Reduction of AuCl ₂ [−] and Ag(H ₂ O) ₂ ⁺ with BH ₄ [−] . Journal of Physical Chemistry A, 2020, 124, 10765-10776.	1.1	6
7	Donor Stabilized Diatomic Gr ₁₄ E ₂ (E = C≡Pb) Molecule D ₂ (D = NHC,) Tj ETQq1 1 0.784314 rjB Physical Chemistry A, 2019, 123, 565-581.	1.1	15
8	Strengths of different Lewis bases in stabilizing titanium fluorides: A theoretical insight. Inorganica Chimica Acta, 2019, 485, 162-172.	1.2	8
9	Computational Exploration of Mechanistic Avenues in C-H Activation Assisted Pd-Catalyzed Carbonylative Coupling. Journal of Organic Chemistry, 2019, 84, 257-272.	1.7	12
10	Mechanistic Exploration of the Transmetalation and Reductive Elimination Events Involving Pd ^{IV} -Abnormal NHC Complexes in Suzuki-Miyaura Coupling Reactions: A DFT Study. Chemistry - A European Journal, 2018, 24, 6155-6168.	1.7	26
11	Reagent for Introducing Base-Stabilized Phosphorus Atoms into Organic and Inorganic Compounds. Journal of the American Chemical Society, 2018, 140, 151-154.	6.6	40
12	1-α-Benzyl-2-α-Alanine Containing Naphthalenediimide Promotes Photoresponsive Radical Anion. ChemistrySelect, 2018, 3, 9576-9582.	0.7	0
13	A phenoxo-bridged dicopper(II) complex as a model for phosphatase activity: mechanistic insights from a combined experimental and computational study. Dalton Transactions, 2017, 46, 4038-4054.	1.6	20
14	Diverse Bonding Activations in the Reactivity of a Pentaphenylborole toward Sodium Phosphaethynolate: Heterocycle Synthesis and Mechanistic Studies. Inorganic Chemistry, 2017, 56, 4112-4120.	1.9	27
15	Synthesis and characterization of Lewis base stabilized mono- and di-organo aluminum radicals. Chemical Communications, 2017, 53, 10516-10519.	2.2	34
16	DFT Study on C-F Bond Activation by Group 14 Dialkylamino Metallylenes: A Competition between Oxidative Additions versus Substitution Reactions. Inorganic Chemistry, 2017, 56, 10633-10643.	1.9	22
17	Addition Reactions of Me ₃ SiCN with Aldehydes Catalyzed by Aluminum Complexes Containing in their Coordination Sphere O, S, and N Ligands. Chemistry - A European Journal, 2016, 22, 6932-6938.	1.7	29
18	Activation of Elemental Sulfur at a Two-Coordinate Platinum(0) Center. Chemistry - A European Journal, 2016, 22, 12629-12633.	1.7	6

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19	Exploring the Oxidative Addition Pathways of Phenyl Chloride in the Presence of Pd ^{II} Abnormal N-Heterocyclic Carbene Complexes: A DFT Study. Chemistry - A European Journal, 2016, 22, 15778-15790.	1.7	23
20	Carbene Supported Dimer of Heavier Ketenimine Analogue with P and Si Atoms. Journal of the American Chemical Society, 2015, 137, 6180-6183.	6.6	22
21	Monomeric siliconthiodichloride trapped by a Lewis base. Dalton Transactions, 2015, 44, 19942-19947.	1.6	7
22	Role of ligands in controlling the regioselectivity in ruthenium-catalysed addition of carboxylic acids to terminal alkynes: A DFT study. Journal of Chemical Sciences, 2015, 127, 281-293.	0.7	5
23	C ₄ Cumulene and the Corresponding Air-Stable Radical Cation and Dication. Angewandte Chemie - International Edition, 2014, 53, 4168-4172.	7.2	113