

Arghya Pratim Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

123
citations

1478505

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1372567

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docs citations

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times ranked

79
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing total optical absorption coefficient of impurity doped quantum dots in presence of noise with special emphasis on electric field, magnetic field and confinement potential. <i>Chemical Physics</i> , 2015, 463, 149-158.	1.9	30
2	Influence of position-dependent effective mass on the nonlinear optical properties of impurity doped quantum dots in presence of Gaussian white noise. <i>Optics Communications</i> , 2016, 367, 325-334.	2.1	27
3	Mechanism of the photo-induced activation of Co C bond in methylcobalamin-dependent methionine synthase. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 306-317.	3.8	21
4	Elucidating the mechanism of cob(I)alamin mediated methylation reactions by alkyl halides: SN2 or radical mechanism?. <i>Journal of Catalysis</i> , 2019, 376, 32-43.	6.2	10
5	Modulating nonlinear optical properties of impurity doped quantum dots via the interplay between anisotropy and Gaussian white noise. <i>Superlattices and Microstructures</i> , 2016, 90, 297-307.	3.1	9
6	What Triggers the Cleavage of the Co ²⁺ Bond in Coenzyme B ₁₂ -Dependent Itaconyl-CoA Methylmalonyl-CoA Mutase?. <i>ACS Catalysis</i> , 2021, 11, 7943-7955.	11.2	9
7	How does the mutation in the cap domain of methylcobalamin-dependent methionine synthase influence the photoactivation of the Co-C bond?. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20628-20640.	2.8	6
8	Aerobic photolysis of methylcobalamin: structural and electronic properties of the Cbl ⁺ CH ₃ intermediate. <i>Dalton Transactions</i> , 2020, 49, 4114-4124.	3.3	5
9	Aerobic photolysis of methylcobalamin: unraveling the photoreaction mechanism. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6093-6106.	2.8	5
10	Photolytic properties of B12-dependent enzymes: A theoretical perspective. <i>Vitamins and Hormones</i> , 2022, 119, 185-220.	1.7	1
11	Methyl transfer reactions catalyzed by cobalamin-dependent enzymes: Insight from molecular docking. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 104, 107831.	2.4	0