

Tanmoy Dutta

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

181
citations

9
h-index

13
g-index

17
ext. papers

261
ext. citations

3.2
avg, IF

3.97
L-index

#	Paper	IF	Citations
14	Switching Effects in Metalloporphyrin System Due to the Withdrawal of Spin Symmetry. <i>Studies in Autonomic, Data-driven and Industrial Computing</i> , 2022 , 343-351		
13	Green synthesis of antimicrobial silver nanoparticles using fruit extract of <i>Glycosmis pentaphylla</i> and its theoretical explanations. <i>Journal of Molecular Structure</i> , 2022 , 1247, 131361	3.4	9
12	CO2 activation on transition metal decorated graphene quantum dots: An insight from first principles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022 , 135, 114993	3	1
11	Inhibitory efficiency of potential drugs against SARS-CoV-2 by blocking human angiotensin converting enzyme-2: Virtual screening and molecular dynamics study. <i>Microbial Pathogenesis</i> , 2021 , 152, 104762	3.8	11
10	Inhibitory effect of anti-HIV compounds extracted from Indian medicinal plants to retard the replication and transcription process of SARS-CoV-2: an insight from molecular docking and MD-simulation studies. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2021 , 10, 32	1.6	10
9	Inhibitory efficacy of RNA virus drugs against SARS-CoV-2 proteins: An extensive study. <i>Journal of Molecular Structure</i> , 2021 , 1234, 130152	3.4	12
8	Screening of potential drug from <i>Azadirachta Indica</i> (Neem) extracts for SARS-CoV-2: An insight from molecular docking and MD-simulation studies. <i>Journal of Molecular Structure</i> , 2021 , 1227, 129390	3.4	38
7	Screening of potential anti-HIV compounds from <i>Achyranthes aspera</i> extracts for SARS-CoV-2: An insight from molecular docking study. <i>Journal of Physics: Conference Series</i> , 2021 , 1797, 012042	0.3	4
6	Novel Coronavirus Disease (COVID-19): An extensive study on evolution, global health, drug targets and vaccines. <i>International Journal of Clinical Virology</i> , 2021 , 5, 054-069	0.7	1
5	Green synthesis of antibacterial and antifungal silver nanoparticles using <i>Citrus limetta</i> peel extract: Experimental and theoretical studies. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104019	6.8	36
4	Biogenic silver nanoparticle synthesis and stabilization for apoptotic activity; insights from experimental and theoretical studies. <i>Chemical Papers</i> , 2020 , 74, 4089-4101	1.9	10
3	Facile Green Synthesis of Silver Bionanocomposite with Size Dependent Antibacterial and Synergistic Effects: A Combined Experimental and Theoretical Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 1839-1851	3.2	13
2	Chitosan encapsulated water-soluble silver bionanocomposite for size-dependent antibacterial activity. <i>Nano Structures Nano Objects</i> , 2019 , 20, 100393	5.6	30
1	Isolation of antimicrobial Tridecanoic acid from <i>Bacillus</i> sp. LBF-01 and its potentialization through silver nanoparticles synthesis: a combined experimental and theoretical studies. <i>Journal of Nanostructure in Chemistry</i> , 2019 , 1	7.6	4