Partha Biswas

List of Publications by Year
in descending order

33	699	516710 16	610901 24
papers	citations	h-index	g-index

34	34	34	524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ammonia Catalyzed Formation of Sulfuric Acid in Troposphere: The Curious Case of a Base Promoting Acid Rain. Journal of Physical Chemistry A, 2017, 121, 3101-3108.	2.5	65
2	A Rhodamine-Based Dual Chemosensor for Cu(II) and Fe(III). Journal of Fluorescence, 2012, 22, 443-450.	2.5	53
3	Competition between Hydrogen Bonding and Dispersion Interactions in the IndoleÂ·Â·Â·Pyridine Dimer and (Indole)2Â·Â·Â·Pyridine Trimer Studied in a Supersonic Jet. Journal of Physical Chemistry A, 2011, 115, 7461-7472.	2.5	40
4	Candidate antiviral drugs for COVID-19 and their environmental implications: a comprehensive analysis. Environmental Science and Pollution Research, 2021, 28, 59570-59593.	5.3	39
5	Ammonia as an efficient catalyst for decomposition of carbonic acid: a quantum chemical investigation. Physical Chemistry Chemical Physics, 2016, 18, 15995-16004.	2.8	38
6	Isomerization of the methoxy radical revisited: the impact of water dimers. Physical Chemistry Chemical Physics, 2016, 18, 27728-27732.	2.8	34
7	Molecular Insights into the Multifunctional Role of Natural Compounds: Autophagy Modulation and Cancer Prevention. Biomedicines, 2020, 8, 517.	3.2	33
8	Target specificity of selective bioactive compounds in blocking Î±-dystroglycan receptor to suppress Lassa virus infection: an <i>in</i> <i>silico</i> approach. Journal of Biomedical Research, 2021, 35, 459.	1.6	32
9	Genistein, a Potential Phytochemical against Breast Cancer Treatment-Insight into the Molecular Mechanisms. Processes, 2022, 10, 415.	2.8	30
10	Amentoflavone derivatives significantly act towards the main protease (3CLPRO/MPRO) of SARS-CoV-2: in silico admet profiling, molecular docking, molecular dynamics simulation, network pharmacology. Molecular Diversity, 2023, 27, 857-871.	3.9	26
11	Potential Therapeutic Role of Phytochemicals to Mitigate Mitochondrial Dysfunctions in Alzheimerâ€™s Disease. Antioxidants, 2021, 10, 23.	5.1	25
12	Structure of 7-AzaindoleÂ·Â·Â·2-Fluoropyridine Dimer in a Supersonic Jet: Competition between Nâ€“HÂ·Â·Â·N and Nâ€“HÂ·Â·Â·F Interactions. Journal of Physical Chemistry A, 2011, 115, 10299-10308.	2.5	24
13	Diterpenes/Diterpenoids and Their Derivatives as Potential Bioactive Leads against Dengue Virus: A Computational and Network Pharmacology Study. Molecules, 2021, 26, 6821.	3.8	22
14	In Vivo Neuropharmacological Potential of Gomphandra tetrandra (Wall.) Sleumer and In-Silico Study against Î²-Amyloid Precursor Protein. Processes, 2021, 9, 1449.	2.8	21
15	Evaluation of in vitro and in silico anti-inflammatory potential of some selected medicinal plants of Bangladesh against cyclooxygenase-II enzyme. Journal of Ethnopharmacology, 2022, 285, 114900.	4.1	19
16	Exhaustive Plant Profile of â€œDimocarpus longan Lourâ€•with Significant Phytomedicinal Properties: A Literature Based-Review. Processes, 2021, 9, 1803.	2.8	18
17	Can Artemisia herba-alba Be Useful for Managing COVID-19 and Comorbidities?. Molecules, 2022, 27, 492.	3.8	15
18	Natural flavonoids effectively block the CD81 receptor of hepatocytes and inhibit HCV infection: a computational drug development approach. Molecular Diversity, 2023, 27, 1309-1322.	3.9	15

#	Article	IF	Citations
19	ANTIVIRAL EFFECTS OF BACTERIOCIN AGAINST ANIMAL-TO-HUMAN TRANSMITTABLE MUTATED SARS-COV-2: A SYSTEMATIC REVIEW. Frontiers of Agricultural Science and Engineering, 2021, 8, 603.	1.4	14
20	Metabolite profiling, anti-inflammatory, analgesic potentials of edible herb Colocasia gigantea and molecular docking study against COX-II enzyme. Journal of Ethnopharmacology, 2021, 281, 114577.	4.1	14
21	Structural elucidation of Levofloxacin and Ciprofloxacin using density functional theory and Raman spectroscopy with inexpensive lab-built setup. Journal of Molecular Structure, 2020, 1222, 128946.	3.6	13
22	Analysis of SYK Gene as a Prognostic Biomarker and Suggested Potential Bioactive Phytochemicals as an Alternative Therapeutic Option for Colorectal Cancer: An In-Silico Pharmaco-Informatics Investigation. Journal of Personalized Medicine, 2021, 11, 888.	2.5	13
23	A Comprehensive Review of Recent Advancements in Cancer Immunotherapy and Generation of CAR T Cell by CRISPR-Cas9. Processes, 2022, 10, 16.	2.8	13
24	Investigating the Anticancer Potential of Salvicine as a Modulator of Topoisomerase II and ROS Signaling Cascade. Frontiers in Oncology, 0, 12, .	2.8	13
25	UHPLC-Q/Orbitrap/MS based chemical fingerprinting and hepatoprotective potential of a medicinal plant, Morinda angustifolia Roxb.. South African Journal of Botany, 2022, 148, 561-572.	2.5	12
26	External control over tautomeric distribution and inter-conversion: new insights into the realm of catalyzed tautomerization. RSC Advances, 2015, 5, 34588-34593.	3.6	11
27	Theoretical investigation of an atmospherically important reaction between methyl methacrylate and Cl atom: A mechanistic and kinetic approach. Journal of Theoretical and Computational Chemistry, 2015, 14, 1550010.	1.8	9
28	Conformations and laser-induced fluorescence spectroscopy of jet-cooled 2-(p-fluorophenyl)ethanol. Chemical Physics Letters, 2005, 411, 128-132.	2.6	8
29	Origin of threefold symmetric torsional potential of methyl group in 4-methylstyrene. Journal of Chemical Physics, 2006, 124, 144316.	3.0	8
30	Impact of Extended Ï€ Conjugation on Methyl Rotor-Induced IVR in Aromatic Molecules. Journal of Physical Chemistry A, 2005, 109, 3225-3234.	2.5	7
31	Dispersed fluorescence spectroscopy of p-fluorophenol. Chemical Physics Letters, 2008, 454, 163-170.	2.6	7
32	Quantitative analysis of the factors influencing IDA and TSH downregulation in correlation to the fluctuation of activated vitamin D3 in women. Journal of Advanced Biotechnology and Experimental Therapeutics, 2022, 5, 320.	0.9	7
33	Reaction mechanism and kinetic study of the â€¢OH initiated tropospheric oxidation of 3-methyl-2-buten-1-ol: A quantum chemical investigation. Journal of Theoretical and Computational Chemistry, 2014, 13, 1450052.	1.8	1