

# Mallika Pathak

## List of Publications by Year in descending order

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23  
papers

443  
citations

759190

12  
h-index

713444

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence studies of binding affinity of vildagliptin with bovine serum albumin. Journal of Biomolecular Structure and Dynamics, 2023, 41, 3002-3013.	3.5	4
2	Identification of potent human carbonic anhydrase IX inhibitors: a combination of pharmacophore modeling, 3D-QSAR, virtual screening and molecular dynamics simulations. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4516-4531.	3.5	8
3	Binding studies for the interaction between hazardous organophosphorus compound phosmet and lysozyme: Spectroscopic and In-silico analyses. Journal of Molecular Liquids, 2022, 355, 118954.	4.9	16
4	Spectroscopic and molecular modelling study of binding mechanism of bovine serum albumin with phosmet. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 244, 118803.	3.9	27
5	Chem-bioinformatic approach for drug discovery. , 2021, , 207-243.		1
6	Healing efficacy and dermal toxicity of topical silver nanoparticles-loaded hydrogel in Sprague-Dawley rats. Radiation Protection and Environment, 2021, 44, 34.	0.2	1
7	Spectroscopic studies of binding interactions of 2-chloroethylphenyl sulphide with bovine serum albumin. Journal of Molecular Liquids, 2021, 340, 117144.	4.9	29
8	Protection by ethyl pyruvate against gamma radiation induced damage in bovine serum albumin. International Journal of Biological Macromolecules, 2020, 150, 1053-1060.	7.5	4
9	DNA binding and antiradical potential of ethyl pyruvate: Key to the DNA radioprotection. Chemico-Biological Interactions, 2020, 332, 109313.	4.0	8
10	Design and in silico screening of aryl allyl mercaptan analogs as potential histone deacetylases (HDAC) inhibitors. Heliyon, 2020, 6, e03517.	3.2	3
11	Spectroscopic and thermodynamic studies of the binding mechanism of metformin to pepsin. Journal of Molecular Structure, 2018, 1166, 183-189.	3.6	19
12	Nanotechnology-based drug delivery systems. , 2018, , 39-79.		12
13	Luminescence, circular dichroism and <i>in silico</i> studies of binding interaction of synthesized naphthylchalcone derivatives with bovine serum albumin. Luminescence, 2017, 32, 1252-1262.	2.9	16
14	Synthesis, characterization of 1,2,4-triazole Schiff base derived 3d- metal complexes: Induces cytotoxicity in HepG2, MCF-7 cell line, BSA binding fluorescence and DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 246-257.	3.9	98
15	Design, synthesis and biological evaluation of antimalarial activity of new derivatives of 2,4,6-s-triazine. Chemistry Central Journal, 2017, 11, 132.	2.6	24
16	Green Synthesis of Gold Nanoparticles Using Cinnamomum verum, Syzygium aromaticum and Piper nigrum Extract. Asian Journal of Chemistry, 2017, 29, 1693-1696.	0.3	3
17	Binding of ethyl pyruvate to bovine serum albumin: Calorimetric, spectroscopic and molecular docking studies. Thermochimica Acta, 2016, 633, 140-148.	2.7	45
18	Spectroscopic and molecular modelling studies of binding mechanism of metformin with bovine serum albumin. Journal of Molecular Structure, 2016, 1118, 267-274.	3.6	47

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19	Quantitative Structure Activity Relationship Study of 2,4,6-Trisubstituted 1,2,4-Triazine Derivatives as Antimalarial Inhibitors of <i>Plasmodium Falciparum</i> Dihydrofolate Reductase. <i>Chemical Biology and Drug Design</i> , 2011, 77, 57-62.	3.2	22
20	Effect of aqueous solvation on the structures of pyruvic acid isomers and their reactions in solution: a computational study. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 23-29.	1.9	18
21	A DFT study of the structures of pyruvic acid isomers and their decarboxylation. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 886.	2.8	28
22	QSAR studies on the mechanism of radioprotection by Hoechst 33258 analogues. <i>Computational and Theoretical Chemistry</i> , 2005, 714, 35-42.	1.5	4
23	Theoretical study of unimolecular rearrangements of vinylidenes to acetylenes. <i>International Journal of Quantum Chemistry</i> , 2005, 102, 189-199.	2.0	6