

# Nabajyoti Baildya

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

311  
citations

1170033

9  
h-index

993246

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

318  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.8	78
2	Inhibitory activity of hydroxychloroquine on COVID-19 main protease: An insight from MD-simulation studies. <i>Journal of Molecular Structure</i> , 2020, 1219, 128595.	1.8	64
3	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.	1.3	23
4	Inhibitory efficacy of RNA virus drugs against SARS-CoV-2 proteins: An extensive study. <i>Journal of Molecular Structure</i> , 2021, 1234, 130152.	1.8	19
5	Inhibitory capacity of chloroquine against SARS-COV-2 by effective binding with angiotensin converting enzyme-2 receptor: An insight from molecular docking and MD-simulation studies. <i>Journal of Molecular Structure</i> , 2021, 1230, 129891.	1.8	18
6	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.	1.2	16
7	Dehydroabietylamine-decorated imino-phenols: supramolecular gelation and gel phase selective detection of Fe <sup>3+</sup> , Cu <sup>2+</sup> and Hg <sup>2+</sup> ions under different experimental conditions. <i>New Journal of Chemistry</i> , 2022, 46, 8817-8826.	1.4	14
8	A new 1,2,3-triazole-decorated imino-phenol: selective sensing of Zn <sup>2+</sup> , Cu <sup>2+</sup> and picric acid under different experimental conditions. <i>New Journal of Chemistry</i> , 2021, 45, 10923-10929.	1.4	12
9	Yttrium nitrate catalyzed synthesis, photophysical study, and TD-DFT calculation of 2,3-dihydroquinazolin-4(1H)-ones. <i>Heteroatom Chemistry</i> , 2017, 28, .	0.4	11
10	Naphthalimide-decorated imino-phenol: supramolecular gelation and selective sensing of Fe <sup>3+</sup> and Cu <sup>2+</sup> ions under different experimental conditions. <i>New Journal of Chemistry</i> , 2021, 45, 5213-5220.	1.4	8
11	Environmentally hazardous gas sensing ability of MoS <sub>2</sub> -nanotubes: an insight from the electronic structure and transport properties. <i>Nanoscale Advances</i> , 2021, 3, 4528-4535.	2.2	7
12	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	6
13	Anti-corrosive properties of quercetin and its derivatives on Fe(111) surface: a quantum chemical approach. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	5
14	CO <sub>2</sub> 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.	1.3	5
15	Comparative study of CO <sub>2</sub> activation on alkali metals encapsulated III-V hollow nanocages: An insight from first-principles calculations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 412, 127554.	0.9	4
16	Synthesis, photocatalytic and antibacterial activities of a PDS-activated MgO nanocatalyst: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2022, 46, 6694-6707.	1.4	4
17	Tailoring electronic and transport properties of edge-terminated armchair graphene by defect formation and N/B doping. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126194.	0.9	3
18	Anti-enteric efficacy and mode of action of tridecanoic acid methyl ester isolated from <i>Monochoria hastata</i> (L.) Solms leaf. <i>Brazilian Journal of Microbiology</i> , 2022, , 1.	0.8	3

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19	Repurposing of anti-lung cancer drugs as multi-target inhibitors of SARS-CoV-2 proteins: An insight from molecular docking and MD-simulation study. <i>Microbial Pathogenesis</i> , 2022, 169, 105615.	1.3	3
20	Interaction of copper nanoparticles with DNA: structural and docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1256-1261.	2.0	2
21	Dipyromethane-Based Receptor for Fluorometric Sensing of Hydrogenpyrophosphate. <i>ChemistrySelect</i> , 2021, 6, 8932-8937.	0.7	2
22	Silver-Clon Selective Gelation of Simple Pyridine-Naphthalimide Conjugates with Multiple Applications: Sensing, Drug Delivery, Dye Adsorption and Ion Conductivity. <i>ChemistrySelect</i> , 2021, 6, 11696-11705.	0.7	2
23	Inhibitory effect of compounds extracted from <i>Monochoria hastata</i> (L.) Solms on SARS-CoV-2 main protease: An insight from molecular docking and MD-simulation studies. <i>Journal of Molecular Structure</i> , 2022, 1257, 132644.	1.8	2
24	Adenyl nitro urea in molecular recognition of fluoride and pyruvate. <i>Canadian Journal of Chemistry</i> , 0, , .	0.6	0