

# Vishnu Nayak Badavath

## 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.

37  
papers

427  
citations

12  
h-index

19  
g-index

45  
ext. papers

532  
ext. citations

3.5  
avg, IF

3.85  
L-index

#	Paper	IF	Citations
37	Novel imidazo[1,2-a]pyridine derivatives induce apoptosis and cell cycle arrest in non-small cell lung cancer by activating NADPH oxidase mediated oxidative stress.. <i>Life Sciences</i> , <b>2022</b> , 120334	6.8	2
36	Discovery of 3-chlorobenzyl-linked 1,9-diazaspiro[5.5]undecane derivatives, a lead for dengue virus type 2 infection. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 1087-1098	3.6	
35	Pharmacophore modeling in drug design <b>2022</b> , 157-179		
34	Multidrug-resistant <i>Neisseria gonorrhoeae</i> infection in heterosexual men with reduced susceptibility to ceftriaxone, first report in Thailand. <i>Scientific Reports</i> , <b>2021</b> , 11, 21659	4.9	3
33	Design and synthesis of novel urea derivatives of pyrimidine-pyrazoles as anticancer agents. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1251, 131937	3.4	1
32	Design, synthesis and molecular docking of piperidin-4-amine linked pyrimidine derivatives as potent anticancer agents. <i>Chemical Data Collections</i> , <b>2021</b> , 32, 100646	2.1	2
31	Novel $\alpha$ -Aminophosphonates of imatinib Intermediate: Synthesis, anticancer Activity, human Abl tyrosine kinase Inhibition, ADME and toxicity prediction. <i>Bioorganic Chemistry</i> , <b>2021</b> , 109, 104718	5.1	4
30	A Series of Ferulic Acid Amides Reveals Unexpected Peroxiredoxin 1 Inhibitory Activity with in vivo Antidiabetic and Hypolipidemic Effects. <i>ChemMedChem</i> , <b>2021</b> , 16, 484-498	3.7	5
29	Design, synthesis, cytotoxic evaluation and molecular docking studies of novel thiazolyl $\alpha$ -aminophosphonates. <i>Research on Chemical Intermediates</i> , <b>2021</b> , 47, 1139-1160	2.8	2
28	Kobophenol A Inhibits Binding of Host ACE2 Receptor with Spike RBD Domain of SARS-CoV-2, a Lead Compound for Blocking COVID-19. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 1793-1802	6.4	33
27	Unravelling the potential neuroprotective facets of erythropoietin for the treatment of Alzheimer's disease. <i>Metabolic Brain Disease</i> , <b>2021</b> , 1	3.9	2
26	Deciphering the focal role of endostatin in Alzheimer's disease. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 61998-62011	5.1	2
25	1355. Cluster of Multi-drug Resistance <i>Neisseria gonorrhoeae</i> Isolates with Reduce Ceftriaxone Susceptibility, First Report in Thailand. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, S764-S764	1	
24	Computational Studies of bis-2-Oxoindoline Succinohydrazides and their In Vitro Cytotoxicity. <i>Current Computer-Aided Drug Design</i> , <b>2020</b> , 16, 270-280	1.4	4
23	Biological Evaluation of 2-aminothiazole Hybrid as Antimalarial and Antitrypanosomal Agents: Design and Synthesis. <i>Anti-Infective Agents</i> , <b>2020</b> , 18, 101-108	0.6	4
22	Determination of potential inhibitors based on isatin derivatives against SARS-CoV-2 main protease (m): a molecular docking, molecular dynamics and structure-activity relationship studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-19	3.6	24
21	Novel halogenated pyrido[2,3-a]carbazoles with enhanced aromaticity as potent anticancer and antioxidant agents: rational design and microwave assisted synthesis. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 17231-17240	3.6	8

20	Rational design, molecular docking and synthesis of novel homopiperazine linked imidazo[1,2-a]pyrimidine derivatives as potent cytotoxic and antimicrobial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2019</b> , 29, 2248-2253	2.9	20
19	Synthesis, spectral characterization, molecular docking studies, biological activity of (E)-2-((E)-3-(3,4,5-trimethoxyphenyl)allylidene) and (E)-N-phenyl 2-((E)-3-(3,4,5-trimethoxyphenyl)allylidene)hydrazinecarbothioamides and their Cu(II) complexes.	4.3	8
18	Synthesis, spectral investigation, molecular docking and biological evaluation of Cu(II), Ni(II) and Mn(II) complexes of (E)-2-((2-butyl-4-chloro-1H-imidazol-5-yl)methylene)-N-methylhydrazinecarbothioamide (C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> ClS) and its DFT studies. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1196, 338-347	3.4	10
17	Design and Synthesis of Piperazine-Linked Imidazo[1,2-a]pyridine Derivatives as Potent Anticancer Agents. <i>ChemistrySelect</i> , <b>2019</b> , 4, 13622-13629	1.8	8
16	Enhanced Adsorption and Antimicrobial Activity of Fabricated Apocynaceae Leaf Waste Activated Carbon by Cobalt Ferrite Nanoparticles for Textile Effluent Treatment. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2019</b> , 29, 550-563	3.2	15
15	Curcumin-based pyrazoline analogues as selective inhibitors of human monoamine oxidase A. <i>MedChemComm</i> , <b>2018</b> , 9, 1164-1171	5	21
14	A highly efficient TEMPO mediated oxidation of sugar primary alcohols into uronic acids using 1-chloro-1,2-benziodoxol-3(1H)-one at room temperature. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 2511-2514	2	6
13	Design, synthesis and MAO inhibitory activity of 2-(arylmethylidene)-2,3-dihydro-1-benzofuran-3-one derivatives. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 1528-1532 <sup>16</sup>	8.1	16
12	Monoamine Oxidase Inhibitory Activity of Novel Pyrazoline Analogues: Curcumin Based Design and Synthesis-II. <i>ChemistrySelect</i> , <b>2016</b> , 1, 5879-5884	1.8	8
11	Monoamine Oxidase Inhibitory Activity of Novel Pyrazoline Analogues: Curcumin Based Design and Synthesis. <i>ACS Medicinal Chemistry Letters</i> , <b>2016</b> , 7, 56-61	4.3	43
10	Synthesis and Antidepressant activity of pyrazoline based MAO-inhibitors. <i>Journal of Pharmaceutical Chemistry</i> , <b>2016</b> , 3, 1	0	9
9	Synthesis and Antiviral Activity of 2-aryl-4H-chromen-4-one Derivatives Against Chikungunya Virus. <i>Letters in Drug Design and Discovery</i> , <b>2016</b> , 13, 1019-1024	0.8	9
8	Monoamine Oxidase Inhibitory Activity of Ferulic Acid Amides: Curcumin-Based Design and Synthesis. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 9-19	4.3	20
7	Design, synthesis, optimization and antiviral activity of a class of hybrid dengue virus E protein inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 1747-1752	2.9	28
6	Monoamine oxidase inhibitory activity of 2-aryl-4H-chromen-4-ones. <i>Bioorganic Chemistry</i> , <b>2015</b> , 58, 72-80 <sup>1</sup>	8.1	34
5	Pyrazoline carboxylates as selective MAO-B inhibitors: Synthesis and Biological screening. <i>Journal of Pharmaceutical Chemistry</i> , <b>2015</b> , 2, 1	0	7
4	Monoamine oxidase-A inhibitory activity of novel Curcumin analogues. <i>Journal of Pharmaceutical Chemistry</i> , <b>2015</b> , 2, 12	0	3
3	Monoamine oxidase inhibitory activity of 3,5-biaryl-4,5-dihydro-1H-pyrazole-1-carboxylate derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>2013</b> , 69, 762-7	6.8	46

2	A new chemical access for 3'-acetyl-4'-hydroxychalcones using borontrifluoride etherate via a regioselective Claisen-Schmidt condensation and its application in the synthesis of chalcone hybrids. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 5794-5798	2	16
1	Design, Synthesis, Biological Evaluation and Molecular Docking Studies of 1,4-Disubstituted 1,2,3-Triazoles: PEG-400:H <sub>2</sub> O Mediated Click Reaction of Fluorescent Organic Probes under Ultrasonic Irradiation. <i>Polycyclic Aromatic Compounds</i> , 1-22	1,3	2