

Krishna Misra

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,990
citations

516215

16
h-index

243296

44
g-index

54
all docs

54
docs citations

54
times ranked

3045
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological activities of curcumin and its analogues (Congeners) made by man and Mother Nature. <i>Biochemical Pharmacology</i> , 2008, 76, 1590-1611.	2.0	999
2	Design, development and synthesis of mixed bioconjugates of piperic acid-glycine, curcumin-glycine/alanine and curcumin-glycine-piperic acid and their antibacterial and antifungal properties. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 1477-1486.	1.4	136
3	Design, synthesis and characterization of some bioactive conjugates of curcumin with glycine, glutamic acid, valine and demethylenated piperic acid and study of their antimicrobial and antiproliferative properties. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1837-1846.	2.6	81
4	Differential apoptotic and redox regulatory activities of curcumin and its derivatives. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1353-1360.	1.3	78
5	Syntheses of Curcumin Bioconjugates and Study of Their Antibacterial Activities against β -Lactamase-Producing Microorganisms. <i>Bioconjugate Chemistry</i> , 2001, 12, 464-469.	1.8	72
6	A plausible explanation for enhanced bioavailability of P-gp substrates in presence of piperine: simulation for next generation of P-gp inhibitors. <i>Journal of Molecular Modeling</i> , 2013, 19, 227-238.	0.8	63
7	A Novel Approach for Overcoming Drug Resistance in Breast Cancer Chemotherapy by Targeting new Synthetic Curcumin Analogues Against Aldehyde Dehydrogenase 1 (ALDH1A1) and Glycogen Synthase Kinase-3 β (GSK-3 β). <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 1996-2017.	1.4	39
8	Docking and in silico ADMET studies of noraristeromycin, curcumin and its derivatives with <i>Plasmodium falciparum</i> SAH hydrolase: A molecular drug target against malaria. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2013, 5, 1-12.	2.2	36
9	Comparative docking and ADMET study of some curcumin derivatives and herbal congeners targeting β -amyloid. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2013, 2, 13-27.	1.2	30
10	Protective Effect of Theaflavin on Erythrocytes Subjected to <i>In Vitro</i> Oxidative Stress. <i>Biochemistry Research International</i> , 2013, 2013, 1-7.	1.5	28
11	The modulation of erythrocyte Na ⁺ /K ⁺ -ATPase activity by curcumin. <i>Journal of Advanced Research</i> , 2015, 6, 1023-1030.	4.4	26
12	Curcumin Conjugates Induce Apoptosis Via a Mitochondrion Dependent Pathway in MCF-7 and MDA-MB-231 Cell Lines. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 5797-5804.	0.5	25
13	Exploring Medicinal Plant Legacy for Drug Discovery in Post-genomic Era. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 1141-1151.	0.4	24
14	Comparative study of antioxidants as cancer preventives through inhibition of HIF-1 alpha activity. <i>Bioinformation</i> , 2009, 4, 233-236.	0.2	19
15	Two flavonoid glycosides from the bark of <i>Prosopis juliflora</i> . <i>Phytochemistry</i> , 1981, 20, 339-340.	1.4	17
16	Human papilloma virus 16 e6 protein as a target for curcuminoids, curcumin conjugates and congeners for chemoprevention of oral and cervical cancers. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2013, 5, 112-118.	2.2	17
17	FLUOROUS SILYL PROTECTING GROUP FOR 5'-HYDROXYL PROTECTION OF OLIGONUCLEOSIDES. <i>Organic Preparations and Procedures International</i> , 2005, 37, 257-263.	0.6	16
18	Study of interaction of human serum albumin with curcumin by NMR and docking. <i>Journal of Molecular Modeling</i> , 2014, 20, 2365.	0.8	16

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19	Restraining Pathogenicity in <i>Candida albicans</i> by Taxifolin as an Inhibitor of Ras1-pka Pathway. <i>Mycopathologia</i> , 2017, 182, 953-965.	1.3	16
20	Telomerase targeted anticancer bioactive prodrug by antisense-based approach. <i>Cancer Letters</i> , 2007, 248, 245-250.	3.2	15
21	Modeling and simulation analysis of propyl-thiouracil (PTU), an anti-thyroid drug on thyroid peroxidase (TPO), thyroid stimulating hormone receptor (TSHR), and sodium iodide (NIS) symporter based on systems biology approach. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2013, 2, 45-57.	1.2	15
22	Designing, synthesis, and characterization of some novel coumarin derivatives as probable anticancer drugs. <i>Medicinal Chemistry Research</i> , 2013, 22, 4146-4157.	1.1	14
23	Computational simulation of inhibitory effects of curcumin, retinoic acid and their conjugates on GSK-3 beta. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2019, 8, 1.	1.2	14
24	A Comprehensive Metabolic Modeling of Thyroid Pathway in Relation to Thyroid Pathophysiology and Therapeutics. <i>OMICS A Journal of Integrative Biology</i> , 2013, 17, 584-593.	1.0	13
25	Two pronged approach for prevention and therapy of COVID-19 (Sars-CoV-2) by a multi-targeted herbal drug, a component of ayurvedic decoction. <i>European Journal of Integrative Medicine</i> , 2021, 43, 101268.	0.8	13
26	3D QSAR and pharmacophore study of curcuminoids and curcumin analogs: Interaction with thioredoxin reductase. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2013, 5, 286-295.	2.2	12
27	Modulation of Erythrocyte Plasma Membrane Redox System Activity by Curcumin. <i>Biochemistry Research International</i> , 2016, 2016, 1-8.	1.5	12
28	Inhibition of P-Glycoprotein Mediated Efflux of Paclitaxel by Coumarin Derivatives in Cancer Stem Cells: An In Silico Approach. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2016, 19, 497-506.	0.6	12
29	Curcuminoids as inhibitors of thioredoxin reductase: A receptor based pharmacophore study with distance mapping of the active site. <i>Bioinformation</i> , 2009, 4, 187-192.	0.2	12
30	Mechanism of isotroturon resistance in <i>Phalaris minor</i> : in silico design, synthesis and testing of some novel herbicides for regaining sensitivity. <i>Journal of Molecular Modeling</i> , 2012, 18, 1431-1445.	0.8	11
31	A holistic approach for integration of biological systems and usage in drug discovery. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2016, 5, 1.	1.2	11
32	Identification of epitopes in Indian human papilloma virus 16 E6: A bioinformatics approach. <i>Journal of Virological Methods</i> , 2011, 177, 26-30.	1.0	10
33	Computational study of curcumin analogues by targeting DNA topoisomerase II: a structure-based drug designing approach. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2018, 7, 1.	1.2	9
34	Atom-based 3D-QSAR, molecular docking and molecular dynamics simulation assessment of inhibitors for thyroid hormone receptor α and β . <i>Journal of Molecular Modeling</i> , 2014, 20, 2286.	0.8	8
35	Effect of Na ⁺ , K ⁺ and Ca ²⁺ Ions on Physico-chemical Properties of Thymine, Cytosine, Thymidine and Cytidine in Aqueous Urea Solution. <i>Chinese Journal of Chemistry</i> , 2005, 23, 1157-1164.	2.6	7
36	Molecular modeling and computational simulation of the photosystem-II reaction center to address isotroturon resistance in <i>Phalaris minor</i> . <i>Journal of Molecular Modeling</i> , 2012, 18, 3903-3913.	0.8	7

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37	Structure-Based Drug Designing and Simulation Studies for Finding Novel Inhibitors of Heat Shock Protein (HSP70) as Suppressors for Psoriasis. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 271-281.	2.2	7
38	Chemically Induced Pigmentary Changes of Human Skin, Interaction of Some Azo Dyes with Human DNA. <i>Journal of Pharmacology and Toxicology</i> , 2006, 1, 234-247.	0.4	7
39	In-silico designing, chemical synthesis, characterization and in-vitro assessment of antibacterial properties of some analogues of curcumin. <i>Microbial Pathogenesis</i> , 2018, 123, 89-97.	1.3	6
40	Controlling pathogenesis in <i>Candida albicans</i> by targeting Efg1 and Glyoxylate pathway through naturally occurring polyphenols. <i>Molecular Biology Reports</i> , 2019, 46, 5805-5820.	1.0	6
41	Modulation of GPCR receptors common to gut inflammatory diseases and neuronal disorders, Alzheimer's and Parkinson's diseases as druggable targets through <i>Withania somnifera</i> bioactives: an in silico study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 4485-4503.	2.0	5
42	Interaction of Uracil and Uridine with the Cosolvent and Denaturant Aqueous Urea at Molecular Level: Effect of Na ⁺ , K ⁺ and Ca ⁺⁺ Ions. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2012, 82, 179-186.	0.8	4
43	Turmeric as Cure-Cumin. <i>Oxidative Stress and Disease</i> , 2008, , .	0.3	4
44	Design and Synthesis of Some New β -Phenyl Cinnamoyl Derivatives for Selective Protection of Purine Nucleosides. <i>Synthetic Communications</i> , 2005, 35, 3069-3081.	1.1	3
45	P-Glycoprotein: A Critical Comparison of Models Depicting Mechanism of Drug Efflux and Role of Modulators. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2015, 85, 359-375.	0.4	3
46	Attenuation of Pathogenicity in <i>Candida albicans</i> by Application of Polyphenols. <i>Journal of Microbial & Biochemical Technology</i> , 2018, 10, .	0.2	3
47	Novel Method for Preparation of Monoesters of Symmetric Diphenolic Compounds like Curcumin (1,7-Bis(4-hydroxy- β -methoxy phenyl)-1,6-heptadiene-3,5-dione) via Solid-Phase Synthesis. <i>Synthetic Communications</i> , 2007, 37, 4265-4271.		2
48	In Silico Approach for Designing Potent Inhibitors Against Polymerase PB2 (Influenza A Virus: H1N1). <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2012, 82, 365-373.	0.4	2
49	Integrated Pathways of <i>Candida albicans</i> Revealing Potential Targets and Key Factors Accountable for Pathogenicity. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 575-584.	0.4	2
50	Synthesis and evaluation of novel bioconjugates as antiviral agents. <i>Nucleic Acids Symposium Series</i> , 2000, 44, 179-180.	0.3	1
51	Study of Mechanism of Interaction of Mercurochrome with CT-DNA by Computation, Fluorescence and Electrophoretic Methods. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2013, 83, 97-103.	0.8	1
52	In-silico based designing of inhibitors against the virulence and filamentation of <i>Candida albicans</i> , a common human pathogen. , 2016, , .		1
53	Novel fluorophore for labelling of oligonucleotides. <i>Nucleic Acids Symposium Series</i> , 2000, 44, 85-86.	0.3	0
54	In-Silico Designing of Molecular Beacon Probes for Sensitive and Rapid Detection of Water Borne Pathogenic Bacteria. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2015, 85, 1065-1078.	0.4	0