Krishna Misra

List of Publications by Year
in descending order

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54	1,990	516215	243296
papers	citations	16 h-index	44 g-index

54	54	54	3045
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulation of GPCR receptors common to gut inflammatory diseases and neuronal disorders, Alzheimerâ€™s and Parkinsonâ€™s diseases as druggable targets through Withania somnifera bioactives: an in silico study. Journal of Biomolecular Structure and Dynamics, 2023, 41, 4485-4503.	2.0	5
2	Two pronged approach for prevention and therapy of COVID-19 (Sars-CoV-2) by a multi-targeted herbal drug, a component of ayurvedic decoction. European Journal of Integrative Medicine, 2021, 43, 101268.	0.8	13
3	Exploring Medicinal Plant Legacy for Drug Discovery in Post-genomic Era. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2019, 89, 1141-1151.	0.4	24
4	Controlling pathogenesis in Candida albicans by targeting Efg1 and Glyoxylate pathway through naturally occurring polyphenols. Molecular Biology Reports, 2019, 46, 5805-5820.	1.0	6
5	Computational simulation of inhibitory effects of curcumin, retinoic acid and their conjugates on GSK-3 beta. Network Modeling Analysis in Health Informatics and Bioinformatics, 2019, 8, 1.	1.2	14
6	Integrated Pathways of Candida albicans Revealing Potential Targets and Key Factors Accountable for Pathogenicity. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2019, 89, 575-584.	0.4	2
7	Structure-Based Drug Designing and Simulation Studies for Finding Novel Inhibitors of Heat Shock Protein (HSP70) as Suppressors for Psoriasis. Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 271-281.	2.2	7
8	Computational study of curcumin analogues by targeting DNA topoisomerase II: a structure-based drug designing approach. Network Modeling Analysis in Health Informatics and Bioinformatics, 2018, 7, 1.	1.2	9
9	In-silico designing, chemical synthesis, characterization and in-vitro assessment of antibacterial properties of some analogues of curcumin. Microbial Pathogenesis, 2018, 123, 89-97.	1.3	6
10	Attenuation of Pathogenicity in Candida albicans by Application of Polyphenols. Journal of Microbial & Biochemical Technology, 2018, 10, .	0.2	3
11	Restraining Pathogenicity in Candida albicans by Taxifolin as an Inhibitor of Ras1-pka Pathway. Mycopathologia, 2017, 182, 953-965.	1.3	16
12	Modulation of Erythrocyte Plasma Membrane Redox System Activity by Curcumin. Biochemistry Research International, 2016, 2016, 1-8.	1.5	12
13	In-silico based designing of inhibitors against thevirulence and filamentation of Candida albicans, a common human pathogen. , 2016, , .		1
14	A holistic approach for integration of biological systems and usage in drug discovery. Network Modeling Analysis in Health Informatics and Bioinformatics, 2016, 5, 1.	1.2	11
15	Inhibition of P-Glycoprotein Mediated Efflux of Paclitaxel by Coumarin Derivatives in Cancer Stem Cells: An In Silico Approach. Combinatorial Chemistry and High Throughput Screening, 2016, 19, 497-506.	0.6	12
16	The modulation of erythrocyte Na+/K+-ATPase activity by curcumin. Journal of Advanced Research, 2015, 6, 1023-1030.	4.4	26
17	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 Î² (GSK-3Î²). Applied Biochemistry and Biotechnology, 2015, 176, 1996-2017.	1.4	39
18	In-Silico Designing of Molecular Beacon Probes for Sensitive and Rapid Detection of Water Borne Pathogenic Bacteria. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 1065-1078.	0.4	0

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19	P-Glycoprotein: A Critical Comparison of Models Depicting Mechanism of Drug Efflux and Role of Modulators. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 359-375.	0.4	3
20	Study of interaction of human serum albumin with curcumin by NMR and docking. Journal of Molecular Modeling, 2014, 20, 2365.	0.8	16
21	Atom-based 3D-QSAR, molecular docking and molecular dynamics simulation assessment of inhibitors for thyroid hormone receptor Î± and Î². Journal of Molecular Modeling, 2014, 20, 2286.	0.8	8
22	Comparative docking and ADMET study of some curcumin derivatives and herbal congeners targeting Î²-amyloid. Network Modeling Analysis in Health Informatics and Bioinformatics, 2013, 2, 13-27.	1.2	30
23	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. Network Modeling Analysis in Health Informatics and Bioinformatics, 2013, 2, 45-57.	1.2	15
24	Designing, synthesis, and characterization of some novel coumarin derivatives as probable anticancer drugs. Medicinal Chemistry Research, 2013, 22, 4146-4157.	1.1	14
25	Docking and in silico ADMET studies of noraristeromycin, curcumin and its derivatives with Plasmodium falciparum SAH hydrolase: A molecular drug target against malaria. Interdisciplinary Sciences, Computational Life Sciences, 2013, 5, 1-12.	2.2	36
26	Study of Mechanism of Interaction of Mercurochrome with CT-DNA by Computation, Fluorescence and Electrophoretic Methods. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2013, 83, 97-103.	0.8	1
27	3D QSAR and pharmacophore study of curcuminoids and curcumin analogs: Interaction with thioredoxin reductase. Interdisciplinary Sciences, Computational Life Sciences, 2013, 5, 286-295.	2.2	12
28	A Comprehensive Metabolic Modeling of Thyroid Pathway in Relation to Thyroid Pathophysiology and Therapeutics. OMICS A Journal of Integrative Biology, 2013, 17, 584-593.	1.0	13
29	A plausible explanation for enhanced bioavailability of P-gp substrates in presence of piperine: simulation for next generation of P-gp inhibitors. Journal of Molecular Modeling, 2013, 19, 227-238.	0.8	63
30	Human papilloma virus 16 e6 protein as a target for curcuminoids, curcumin conjugates and congeners for chemoprevention of oral and cervical cancers. Interdisciplinary Sciences, Computational Life Sciences, 2013, 5, 112-118.	2.2	17
31	Protective Effect of Theaflavin on Erythrocytes Subjected toIn VitroOxidative Stress. Biochemistry Research International, 2013, 2013, 1-7.	1.5	28
32	Curcumin Conjugates Induce Apoptosis Via a Mitochondrion Dependent Pathway in MCF-7 and MDA-MB-231 Cell Lines. Asian Pacific Journal of Cancer Prevention, 2013, 14, 5797-5804.	0.5	25
33	Molecular modeling and computational simulation of the photosystem-II reaction center to address isoproturon resistance in Phalaris minor. Journal of Molecular Modeling, 2012, 18, 3903-3913.	0.8	7
34	Interaction of Uracil and Uridine with the Cosolvent and Denaturant Aqueous Urea at Molecular Level: Effect of Na+, K+ and Ca++ Ions. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2012, 82, 179-186.	0.8	4
35	In Silico Approach for Designing Potent Inhibitors Against Polymerase PB2 (Influenza A Virus: H1N1). Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2012, 82, 365-373.	0.4	2
36	Mechanism of isoproturon resistance in Phalaris minor: in silico design, synthesis and testing of some novel herbicides for regaining sensitivity. Journal of Molecular Modeling, 2012, 18, 1431-1445.	0.8	11

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37	Identification of epitopes in Indian human papilloma virus 16 E6: A bioinformatics approach. Journal of Virological Methods, 2011, 177, 26-30.	1.0	10
38	Curcuminoids as inhibitors of thioredoxin reductase: A receptor based pharmacophore study with distance mapping of the active site. Bioinformation, 2009, 4, 187-192.	0.2	12
39	Comparative study of antioxidants as cancer preventives through inhibition of HIF-1 alpha activity. Bioinformation, 2009, 4, 233-236.	0.2	19
40	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. European Journal of Medicinal Chemistry, 2008, 43, 1837-1846.	2.6	81
41	Biological activities of curcumin and its analogues (Congeners) made by man and Mother Nature. Biochemical Pharmacology, 2008, 76, 1590-1611.	2.0	999
42	Turmeric as Cure-Cumin. Oxidative Stress and Disease, 2008, , .	0.3	4
43	Telomerase targeted anticancer bioactive prodrug by antisense-based approach. Cancer Letters, 2007, 248, 245-250.	3.2	15
44	Novel Method for Preparation of Monoesters of Symmetric Diphenolic Compounds like Curcumin (1,7â€Bis(4â€hydroxyâ€3â€methoxy phenyl)â€1,6â€heptadieneâ€3,5â€dione) via Solidâ€Phase Synthesis. Synthetic Communications, 2007, 37, 4265-4271.	1.1	2
45	Chemically Induced Pigmentary Changes of Human Skin, Interaction of Some Azo Dyes with Human DNA. Journal of Pharmacology and Toxicology, 2006, 1, 234-247.	0.4	7
46	Design, development and synthesis of mixed bioconjugates of piperic acidâ€“glycine, curcuminâ€“glycine/alanine and curcuminâ€“glycineâ€“piperic acid and their antibacterial and antifungal properties. Bioorganic and Medicinal Chemistry, 2005, 13, 1477-1486.	1.4	136
47	FLUOROUS SILYL PROTECTING GROUP FOR 5'-HYDROXYL PROTECTION OF OLIGONUCLEOSIDES. Organic Preparations and Procedures International, 2005, 37, 257-263.	0.6	16
48	Differential apoptotic and redox regulatory activities of curcumin and its derivatives. Free Radical Biology and Medicine, 2005, 38, 1353-1360.	1.3	78
49	Effect of Na+, K+ and Ca2+ Ions on Physico-chemical Properties of Thymine, Cytosine, Thymidine and Cytidine in Aqueous Urea Solution. Chinese Journal of Chemistry, 2005, 23, 1157-1164.	2.6	7
50	Design and Synthesis of Some New Î±â€Phenyl Cinnamoyl Derivatives for Selective Protection of Purine Nucleosides. Synthetic Communications, 2005, 35, 3069-3081.	1.1	3
51	Syntheses of Curcumin Bioconjugates and Study of Their Antibacterial Activities against Î²-Lactamase-Producing Microorganisms. Bioconjugate Chemistry, 2001, 12, 464-469.	1.8	72
52	Synthesis and evaluation of novel bioconjugates as antiviral agents. Nucleic Acids Symposium Series, 2000, 44, 179-180.	0.3	1
53	Novel fluorophore for labelling of oligonucleotides. Nucleic Acids Symposium Series, 2000, 44, 85-86.	0.3	0
54	Two flavonoid glycosides from the bark of Prosopis juliflora. Phytochemistry, 1981, 20, 339-340.	1.4	17