

Shasank S Swain

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

966
citations

471509

17
h-index

501196

28
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50
all docs

50
docs citations

50
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro profiling and functional assessments of the anti-diabetic capacity of phenolic-rich extracts of <i>Bulbine natalensis</i> and <i>Bulbine frutescens</i> . <i>Diabetic Medicine</i> , 2023, 40, e14770.	2.3	2
2	Novel Caffeic Acid - Zinc Acetate Complex: Studies on Promising Antidiabetic and Antioxidative Synergism Through Complexation. <i>Medicinal Chemistry</i> , 2023, 19, 147-162.	1.5	1
3	Anti-HIV-drug and phyto-flavonoid combination against SARS-CoV-2: a molecular docking-simulation base assessment. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 6463-6476.	3.5	16
4	Computational, chemical profiling and biochemical evaluation of antidiabetic potential of <i>Parkia biglobosa</i> stem bark extract in type 2 model of rats. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9948-9961.	3.5	9
5	Promoter sequence interaction and structure based multi-targeted (redox regulatory genes) molecular docking analysis of vitamin E and curcumin in T4 induced oxidative stress model using H9C2 cardiac cell line. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 12316-12335.	3.5	5
6	Disease Burden and Current Therapeutical Status of Leprosy with Special Emphasis on Phytochemicals. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 1611-1625.	2.1	0
7	Bentonite clay incorporated topical film formulation for delivery of trimetazidine: Control of ocular pressure and in vitro-in vivo correlation. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 67, 102956.	3.0	5
8	Antituberculosis, antioxidant and cytotoxicity profiles of quercetin: a systematic and cost-effective <i>in silico</i> and <i>in vitro</i> approach. <i>Natural Product Research</i> , 2022, 36, 4757-4761.	1.8	8
9	Combinatorial approach of vitamin C derivative and anti-HIV drug-darunavir against SARS-CoV-2. <i>Frontiers in Bioscience</i> , 2022, 27, 1.	2.1	8
10	Applications of Phyto-Nanotechnology for the Treatment of Neurodegenerative Disorders. <i>Materials</i> , 2022, 15, 804.	2.9	85
11	Anticancer Activities of Mushrooms: A Neglected Source for Drug Discovery. <i>Pharmaceuticals</i> , 2022, 15, 176.	3.8	31
12	Quinoline heterocyclic containing plant and marine candidates against drug-resistant <i>Mycobacterium tuberculosis</i> : A systematic drug-ability investigation. <i>European Journal of Medicinal Chemistry</i> , 2022, 232, 114173.	5.5	20
13	Integrated bioinformatics-cheminformatics approach toward locating pseudo-potential antiviral marine alkaloids against SARS-CoV-2. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 1617-1633.	2.6	18
14	In Silico Molecular Docking Analysis of Karanjin against Alzheimer's and Parkinson's Diseases as a Potential Natural Lead Molecule for New Drug Design, Development and Therapy. <i>Molecules</i> , 2022, 27, 2834.	3.8	23
15	Andrographolide induces anti-SARS-CoV-2 response through host-directed mechanism: an <i>in silico</i> study. <i>Future Virology</i> , 2022, 17, 651-673.	1.8	13
16	Phytochemical conjugation as a potential semisynthetic approach toward reactive and reuse of obsolete sulfonamides against pathogenic bacteria. <i>Drug Development Research</i> , 2021, 82, 149-166.	2.9	16
17	Zinc(II) mineral increased the in vitro, cellular and ex vivo antihyperglycemic and antioxidative pharmacological profile of <i>p</i> -hydroxybenzoic acid upon complexation. <i>Journal of Food Biochemistry</i> , 2021, 45, e13609.	2.9	2
18	Phytochemicals against SARS-CoV as potential drug leads. <i>Biomedical Journal</i> , 2021, 44, 74-85.	3.1	25

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19	Eosinophil: A central player in modulating pathological complexity in asthma. <i>Allergologia Et Immunopathologia</i> , 2021, 49, 191-207.	1.7	7
20	Antimicrobial Peptides Derived From Insects Offer a Novel Therapeutic Option to Combat Biofilm: A Review. <i>Frontiers in Microbiology</i> , 2021, 12, 661195.	3.5	41
21	Drug-lead Anti-tuberculosis Phytochemicals: A Systematic Review. <i>Current Topics in Medicinal Chemistry</i> , 2021, 21, 1832-1868.	2.1	9
22	Antidiabetic and Antioxidative Properties of Novel Zn(II)-cinnamic Acid Complex. <i>Medicinal Chemistry</i> , 2021, 17, 913-925.	1.5	9
23	Ultraflexible Liposome Nanocargo as a Dermal and Transdermal Drug Delivery System. <i>Nanomaterials</i> , 2021, 11, 2557.	4.1	38
24	Potential of Marine Terpenoids against SARS-CoV-2: An In Silico Drug Development Approach. <i>Biomedicines</i> , 2021, 9, 1505.	3.2	16
25	Bactericidal and antibiotic-modulation activities of methanol crude extracts of <i>Ligustrum lucidum</i> and <i>Lobelia inflata</i> against MRSA phenotypes: Molecular docking studies of some isolated compounds from both plants against DNA gyrase A. <i>South African Journal of Botany</i> , 2020, 130, 54-63.	2.5	6
26	Quercetin modulates hyperglycemia by improving the pancreatic antioxidant status and enzymes activities linked with glucose metabolism in type 2 diabetes model of rats: In silico studies of molecular interaction of quercetin with hexokinase and catalase. <i>Journal of Food Biochemistry</i> , 2020, 44, e13127.	2.9	15
27	Metabolic Diversity and Therapeutic Potential of <i>Holarrhena pubescens</i> : An Important Ethnomedicinal Plant. <i>Biomolecules</i> , 2020, 10, 1341.	4.0	14
28	Molecular mechanisms of underlying genetic factors and associated mutations for drug resistance in <i>Mycobacterium tuberculosis</i> . <i>Emerging Microbes and Infections</i> , 2020, 9, 1651-1663.	6.5	35
29	Synthesis, characterization, antidiabetic and antioxidative evaluation of a novel Zn(II)-gallic acid complex with multi-facet activity. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1412-1426.	2.4	17
30	Isoniazidâ€™ phytochemical conjugation: A new approach for potent and less toxic antiâ€™TB drug development. <i>Chemical Biology and Drug Design</i> , 2020, 96, 714-730.	3.2	20
31	Computer-aided synthesis of dapson-phytochemical conjugates against dapson-resistant <i>Mycobacterium leprae</i> . <i>Scientific Reports</i> , 2020, 10, 6839.	3.3	34
32	Synthesis of novel thymol derivatives against MRSA and ESBL producing pathogenic bacteria. <i>Natural Product Research</i> , 2019, 33, 3181-3189.	1.8	21
33	Possible activation of NRF2 by Vitamin E/Curcumin against altered thyroid hormone induced oxidative stress via NFâ€™B/AKT/mTOR/KEAP1 signalling in rat heart. <i>Scientific Reports</i> , 2019, 9, 7408.	3.3	66
34	Molecular docking and simulation study for synthesis of alternative dapson derivative as a newer antileprosy drug in multidrug therapy. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 9838-9852.	2.6	40
35	In vitro antibacterial activity of crude extracts of 9 selected medicinal plants against UTI causing MDR bacteria. <i>Journal of King Saud University - Science</i> , 2017, 29, 84-95.	3.5	52
36	Antibacterial activity, computational analysis and host toxicity study of thymol-sulfonamide conjugates. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 181-193.	5.6	30

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37	Antibacterial, antifungal and antimycobacterial compounds from cyanobacteria. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 760-776.	5.6	108
38	Development of antibacterial conjugates using sulfamethoxazole with monocyclic terpenes: A systematic medicinal chemistry based computational approach. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 140, 185-194.	4.7	28
39	Computational attempts for synthesis of potent antibacterial sulfamethoxazole-monocyclic terpenes conjugates. <i>Canadian Journal of Biotechnology</i> , 2017, 1, 52-52.	0.3	1
40	Computational Approach for Locating Effective Cyanobacterial Compounds against Mycobacterium Tuberculosis. <i>Indian Journal of Pharmaceutical Education and Research</i> , 2017, 51, 302-311.	0.6	3
41	Isolation of ESBL-producing gram-negative bacteria and in silico inhibition of ESBLs by flavonoids. <i>Journal of Taibah University Medical Sciences</i> , 2016, 11, 217-229.	0.9	2
42	Perforated solitary cecal diverticulum: An etiological challenge at emergency. <i>Journal of Acute Medicine</i> , 2016, 6, 49-51.	0.2	2
43	Anticancer compounds from cyanobacterium <i>Lyngbya</i> species: a review. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 223-265.	1.7	31
44	In silico attempt for adduct agent(s) against malaria: Combination of chloroquine with alkaloids of <i>Adhatoda vasica</i> . <i>Computer Methods and Programs in Biomedicine</i> , 2015, 122, 16-25.	4.7	14
45	In vitro antibacterial efficacy of plants used by an Indian aboriginal tribe against pathogenic bacteria isolated from clinical samples. <i>Journal of Taibah University Medical Sciences</i> , 2015, 10, 379-390.	0.9	13
46	Ethnomedicinal, Phytochemical and Pharmacological Investigations of <i>Tetradenia riparia</i> (Hochst.) Codd (Lamiaceae). <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	5