# Shasank S Swain

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/42992/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 46 papers | 966 citations | 471509 17 h-index | 501196 28 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 987 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Antibacterial, antifungal and antimycobacterial compounds from cyanobacteria. Biomedicine and Pharmacotherapy, 2017, 90, 760-776. | 5.6 | 108 |
| 2 | Applications of Phyto-Nanotechnology for the Treatment of Neurodegenerative Disorders. Materials, 2022, 15, 804. | 2.9 | 85 |
| 3 | Possible activation of NRF2 by Vitamin E/Curcumin against altered thyroid hormone induced oxidative stress via NFÄ¸B/AKT/mTOR/KEAP1 signalling in rat heart. Scientific Reports, 2019, 9, 7408. | 3.3 | 66 |
| 4 | In vitro antibacterial activity of crude extracts of 9 selected medicinal plants against UTI causing MDR bacteria. Journal of King Saud University - Science, 2017, 29, 84-95. | 3.5 | 52 |
| 5 | Antimicrobial Peptides Derived From Insects Offer a Novel Therapeutic Option to Combat Biofilm: A Review. Frontiers in Microbiology, 2021, 12, 661195. | 3.5 | 41 |
| 6 | Molecular docking and simulation study for synthesis of alternative dapsone derivative as a newer antileprosy drug in multidrug therapy. Journal of Cellular Biochemistry, 2018, 119, 9838-9852. | 2.6 | 40 |
| 7 | Ultraflexible Liposome Nanocargo as a Dermal and Transdermal Drug Delivery System. Nanomaterials, 2021, 11, 2557. | 4.1 | 38 |
| 8 | Molecular mechanisms of underlying genetic factors and associated mutations for drug resistance in Mycobacterium tuberculosis. Emerging Microbes and Infections, 2020, 9, 1651-1663. | 6.5 | 35 |
| 9 | Computer-aided synthesis of dapsone-phytochemical conjugates against dapsone-resistant Mycobacterium leprae. Scientific Reports, 2020, 10, 6839. | 3.3 | 34 |
| 10 | Anticancer compounds from cyanobacterium Lyngbya species: a review. Antonie Van Leeuwenhoek, 2015, 108, 223-265. | 1.7 | 31 |
| 11 | Anticancer Activities of Mushrooms: A Neglected Source for Drug Discovery. Pharmaceuticals, 2022, 15, 176. | 3.8 | 31 |
| 12 | Antibacterial activity, computational analysis and host toxicity study of thymol-sulfonamide conjugates. Biomedicine and Pharmacotherapy, 2017, 88, 181-193. | 5.6 | 30 |
| 13 | Development of antibacterial conjugates using sulfamethoxazole with monocyclic terpenes: A systematic medicinal chemistry based computational approach. Computer Methods and Programs in Biomedicine, 2017, 140, 185-194. | 4.7 | 28 |
| 14 | Phytochemicals against SARS-CoV as potential drug leads. Biomedical Journal, 2021, 44, 74-85. | 3.1 | 25 |
| 15 | In Silico Molecular Docking Analysis of Karanjin against Alzheimerâ€™s and Parkinsonâ€™s Diseases as a Potential Natural Lead Molecule for New Drug Design, Development and Therapy. Molecules, 2022, 27, 2834. | 3.8 | 23 |
| 16 | Synthesis of novel thymol derivatives against MRSA and ESBL producing pathogenic bacteria. Natural Product Research, 2019, 33, 3181-3189. | 1.8 | 21 |
| 17 | Isoniazidâ€“phytochemical conjugation: A new approach for potent and less toxic antiâ€TB drug development. Chemical Biology and Drug Design, 2020, 96, 714-730. | 3.2 | 20 |
| 18 | Quinoline heterocyclic containing plant and marine candidates against drug-resistant Mycobacterium tuberculosis: A systematic drug-ability investigation. European Journal of Medicinal Chemistry, 2022, 232, 114173. | 5.5 | 20 |

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|---|---|---|---|
| 19 | Integrated bioinformaticsâ€“cheminformatics approach toward locating pseudoâ€potential antiviral marine alkaloids against <scp>SARSâ€CoVâ€2â€Mpro</scp>. Proteins: Structure, Function and Bioinformatics, 2022, 90, 1617-1633. | 2.6 | 18 |
| 20 | Synthesis, characterization, antidiabetic and antioxidative evaluation of a novel Zn(II)-gallic acid complex with multi-facet activity. Journal of Pharmacy and Pharmacology, 2020, 72, 1412-1426. | 2.4 | 17 |
| 21 | Phytochemical conjugation as a potential semisynthetic approach toward reactive and reuse of obsolete sulfonamides against pathogenic bacteria. Drug Development Research, 2021, 82, 149-166. | 2.9 | 16 |
| 22 | Anti-HIV-drug and phyto-flavonoid combination against SARS-CoV-2: a molecular docking-simulation base assessment. Journal of Biomolecular Structure and Dynamics, 2022, 40, 6463-6476. | 3.5 | 16 |
| 23 | Potential of Marine Terpenoids against SARS-CoV-2: An In Silico Drug Development Approach. Biomedicines, 2021, 9, 1505. | 3.2 | 16 |
| 24 | 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. Journal of Food Biochemistry, 2020, 44, e13127. | 2.9 | 15 |
| 25 | In silico attempt for adduct agent(s) against malaria: Combination of chloroquine with alkaloids of Adhatoda vasica. Computer Methods and Programs in Biomedicine, 2015, 122, 16-25. | 4.7 | 14 |
| 26 | Metabolic Diversity and Therapeutic Potential of Holarrhena pubescens: An Important Ethnomedicinal Plant. Biomolecules, 2020, 10, 1341. | 4.0 | 14 |
| 27 | InÂvitro antibacterial efficacy of plants used by an Indian aboriginal tribe against pathogenic bacteria isolated from clinical samples. Journal of Taibah University Medical Sciences, 2015, 10, 379-390. | 0.9 | 13 |
| 28 | Andrographolide induces anti-SARS-CoV-2 response through host-directed mechanism: anin silicostudy. Future Virology, 2022, 17, 651-673. | 1.8 | 13 |
| 29 | Computational, chemical profiling and biochemical evaluation of antidiabetic potential of Parkia biglobosa stem bark extract in type 2 model of rats. Journal of Biomolecular Structure and Dynamics, 2022, 40, 9948-9961. | 3.5 | 9 |
| 30 | Drug-lead Anti-tuberculosis Phytochemicals: A Systematic Review. Current Topics in Medicinal Chemistry, 2021, 21, 1832-1868. | 2.1 | 9 |
| 31 | Antidiabetic and Antioxidative Properties of Novel Zn(II)-cinnamic Acid Complex. Medicinal Chemistry, 2021, 17, 913-925. | 1.5 | 9 |
| 32 | Antituberculosis, antioxidant and cytotoxicity profiles of quercetin: a systematic and cost-effective in silico and inÂvitro approach. Natural Product Research, 2022, 36, 4757-4761. | 1.8 | 8 |
| 33 | Combinatorial approach of vitamin C derivative and anti-HIV drug-darunavir against SARS-CoV-2. Frontiers in Bioscience, 2022, 27, 1. | 2.1 | 8 |
| 34 | Eosinophil: A central player in modulating pathological complexity in asthma. Allergologia Et Immunopathologia, 2021, 49, 191-207. | 1.7 | 7 |
| 35 | Bactericidal and antibiotic-modulation activities of methanol crude extracts of Ligustrum lucidum and Lobelia inflata against MRSA phenotypes: Molecular docking studies of some isolated compounds from both plants against DNA gyrase A. South African Journal of Botany, 2020, 130, 54-63. | 2.5 | 6 |
| 36 | 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. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12316-12335. | 3.5 | 5 |

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|---|---|---|---|
| 37 | Bentonite clay incorporated topical film formulation for delivery of trimetazidine: Control of ocular pressure and in vitro-in vivo correlation. Journal of Drug Delivery Science and Technology, 2022, 67, 102956. | 3.0 | 5 |
| 38 | Ethnomedicinal, Phytochemical and Pharmacological Investigations of Tetradenia riparia (Hochst.) Codd (Lamiaceae). Frontiers in Pharmacology, 0, 13, . | 3.5 | 5 |
| 39 | Computational Approach for Locating Effective Cyanobacterial Compounds against Mycobacterium Tuberculosis. Indian Journal of Pharmaceutical Education and Research, 2017, 51, 302-311. | 0.6 | 3 |
| 40 | Isolation of ESBL-producing gram-negative bacteria and in silico inhibition of ESBLs by flavonoids. Journal of Taibah University Medical Sciences, 2016, 11, 217-229. | 0.9 | 2 |
| 41 | Perforated solitary cecal diverticulum: An etiological challenge at emergency. Journal of Acute Medicine, 2016, 6, 49-51. | 0.2 | 2 |
| 42 | Zinc(II) mineral increased the in vitro, cellular and ex vivo antihyperglycemic and antioxidative pharmacological profile of pâ€hydroxybenzoic acid upon complexation. Journal of Food Biochemistry, 2021, 45, e13609. | 2.9 | 2 |
| 43 | In vitro profiling and functional assessments of the antiâ€diabetic capacity of phenolicâ€rich extracts of Bulbine natalensis and Bulbine frutescens. Diabetic Medicine, 2023, 40, e14770. | 2.3 | 2 |
| 44 | Computational attempts for synthesis of potent antibacterial sulfamethoxazole-monocyclic terpenes conjugates. Canadian Journal of Biotechnology, 2017, 1, 52-52. | 0.3 | 1 |
| 45 | Novel Caffeic Acid - Zinc Acetate Complex: Studies on Promising Antidiabetic and Antioxidative Synergism Through Complexation. Medicinal Chemistry, 2023, 19, 147-162. | 1.5 | 1 |
| 46 | Disease Burden and Current Therapeutical Status of Leprosy with Special Emphasis on Phytochemicals. Current Topics in Medicinal Chemistry, 2022, 22, 1611-1625. | 2.1 | 0 |