

Atul Kumar Singh

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

623
citations

687363

13
h-index

677142

22
g-index

39
all docs

39
docs citations

39
times ranked

455
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Identification of potential natural inhibitors of SARS-CoV2 main protease by molecular docking and simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4334-4345. | 3.5 | 129 |
| 2 | Bulbine frutescens phytochemical inhibits notch signaling pathway and induces apoptosis in triple negative and luminal breast cancer cells. <i>Life Sciences</i> , 2019, 234, 116783. | 4.3 | 56 |
| 3 | Identification of Natural Inhibitors Against SARS-CoV-2 Drugable Targets Using Molecular Docking, Molecular Dynamics Simulation, and MM-PBSA Approach. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 730288. | 3.9 | 46 |
| 4 | Induction of apoptosis in breast cancer cells by naphthylisoquinoline alkaloids. <i>Toxicology and Applied Pharmacology</i> , 2020, 409, 115297. | 2.8 | 37 |
| 5 | Identification of FDA approved drugs and nucleoside analogues as potential SARS-CoV-2 A1pp domain inhibitor: An in silico study. <i>Computers in Biology and Medicine</i> , 2021, 130, 104185. | 7.0 | 36 |
| 6 | Emerging role of ZBTB7A as an oncogenic driver and transcriptional repressor. <i>Cancer Letters</i> , 2020, 483, 22-34. | 7.2 | 33 |
| 7 | Phytochemicals present in Indian ginseng possess potential to inhibit SARS-CoV-2 virulence: A molecular docking and MD simulation study. <i>Microbial Pathogenesis</i> , 2021, 157, 104954. | 2.9 | 33 |
| 8 | Emerging Role of Migration and Invasion Enhancer 1 (MIEN1) in Cancer Progression and Metastasis. <i>Frontiers in Oncology</i> , 2019, 9, 868. | 2.8 | 26 |
| 9 | 3-O-(E)-p-Coumaroyl betulinic acid possess anticancer activity and inhibit Notch signaling pathway in breast cancer cells and mammosphere. <i>Chemico-Biological Interactions</i> , 2020, 328, 109200. | 4.0 | 26 |
| 10 | Long non-coding RNA regulating androgen receptor signaling in breast and prostate cancer. <i>Cancer Letters</i> , 2021, 504, 15-22. | 7.2 | 18 |
| 11 | Growth, characterizations, and the structural elucidation of diethyl-2-(3-oxoiso-1,3-dihydrobenzofuran-1-ylidene)malonate crystalline specimen for dielectric and electronic filters, thermal, optical, mechanical, and biomedical applications using conventional experimental and theoretical practices. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22822-22839. | 2.2 | 18 |
| 12 | Characterization of phytochemicals and validation of antioxidant and anticancer activity in some Indian polyherbal ayurvedic products. <i>Vegetos</i> , 2021, 34, 286-299. | 1.5 | 16 |
| 13 | Role of ZBTB7A zinc finger in tumorigenesis and metastasis. <i>Molecular Biology Reports</i> , 2021, 48, 4703-4719. | 2.3 | 16 |
| 14 | Five-Decade Update on Chemopreventive and Other Pharmacological Potential of Kurarinone: a Natural Flavanone. <i>Frontiers in Pharmacology</i> , 2021, 12, 737137. | 3.5 | 15 |
| 15 | Drug Resistance Mechanism of M46I-Mutation-Induced Saquinavir Resistance in HIV-1 Protease Using Molecular Dynamics Simulation and Binding Energy Calculation. <i>Viruses</i> , 2022, 14, 697. | 3.3 | 14 |
| 16 | MicroRNA Targeting Nicotinamide Adenine Dinucleotide Phosphate Oxidases in Cancer. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 267-284. | 5.4 | 13 |
| 17 | Identification of miRNAs and related hub genes associated with the triple negative breast cancer using integrated bioinformatics analysis and <i>in vitro</i> approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11676-11690. | 3.5 | 13 |
| 18 | Resistance to second generation antiandrogens in prostate cancer: pathways and mechanisms. , 2020, 3, 742-761. | | 13 |

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|----|--|-----|-----------|
| 19 | Integrated 3D-QSAR, molecular docking, and molecular dynamics simulation studies on 1,2,3-triazole based derivatives for designing new acetylcholinesterase inhibitors. Turkish Journal of Chemistry, 2021, 45, 647-660. | 1.2 | 10 |
| 20 | Identification of cancer stemness related miRNA(s) using integrated bioinformatics analysis and in vitro validation. 3 Biotech, 2021, 11, 446. | 2.2 | 9 |
| 21 | A candidate triple-negative breast cancer vaccine design by targeting clinically relevant cell surface markers: an integrated immuno and bio-informatics approach. 3 Biotech, 2022, 12, 72. | 2.2 | 9 |
| 22 | <i>Bulbine frutescens</i> phytochemicals as novel ABC-transporter inhibitor: a molecular docking and molecular dynamics simulation study. Journal of Cancer Metastasis and Treatment, 0, 2021, . | 0.8 | 8 |
| 23 | Withania somnifera phytochemicals possess SARS-CoV-2 RdRp and human TMPRSS2 protein binding potential. Vegetos, 2023, 36, 701-720. | 1.5 | 5 |
| 24 | In Silico Updates on Lead Identification for Obesity and Cancer. , 2021, , 257-277. | | 4 |
| 25 | Multifaceted 3D-QSAR analysis for the identification of pharmacophoric features of biphenyl analogues as aromatase inhibitors. Journal of Biomolecular Structure and Dynamics, 2023, 41, 1322-1341. | 3.5 | 4 |
| 26 | Prenylated flavonoids as a promising drug discovery candidate. , 2020, , 347-355. | | 3 |
| 27 | Effect of Dietary Phytochemicals in Obesity and Cancer. , 2021, , 163-184. | | 3 |
| 28 | Microbial Proteins: A Potential Source of Protein. , 2020, , 139-147. | | 2 |
| 29 | Drug Development: In Silico, In Vivo, and System Biology Approach. , 2020, , 145-160. | | 2 |
| 30 | Principles of applied microbiology and biotechnology: Technique for the screening of antimicrobial herbs. , 2021, , 185-214. | | 1 |
| 31 | Fats and Oils as Sources of Bioactive Molecules. , 2020, , 99-108. | | 1 |
| 32 | Human Disease Drug Therapy and Drug Discovery. , 2020, , 133-143. | | 1 |
| 33 | Drug Development: Drug Delivery Carriers and Clinical Trial. , 2020, , 163-178. | | 1 |
| 34 | Cell Membrane Receptor. , 2020, , 93-107. | | 1 |
| 35 | Animal Cell Culture. , 2020, , 7-31. | | 1 |
| 36 | miRNAs as Therapeutic Target in Obesity and Cancer. , 2021, , 235-255. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | An Introduction to Cell Culture. , 2020, , 1-5. | | 0 |
| 38 | Potential Use of Cell Cultures. , 2020, , 45-52. | | 0 |
| 39 | Synthesis, characterizations of D32DMBC-crystals for applications in biomedical, tribological, electronic filters and in device constructions by theory and practice. Journal of Nonlinear Optical Physics and Materials, 0, , . | 1.8 | 0 |