Akshay Uttarkar

List of Publications by Year
in descending order

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15	199	1162367 8	1125271 13
papers	citations	h-index	g-index

18	18	18	143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and molecular basis of the interaction mechanism of selected drugs towards multiple targets of SARS-CoV-2 by molecular docking and dynamic simulation studies- deciphering the scope of repurposed drugs. Computers in Biology and Medicine, 2020, 126, 104054.	3.9	30
2	Carbon fullerene and nanotube are probable binders to multiple targets of SARS-CoV-2: Insights from computational modeling and molecular dynamic simulation studies. Infection, Genetics and Evolution, 2021, 96, 105155.	1.0	21
3	Structural insights on the interaction potential of natural leads against major protein targets of SARS-CoV-2: Molecular modelling, docking and dynamic simulation studies. Computers in Biology and Medicine, 2021, 132, 104325.	3.9	18
4	Coumarin derivative as a potent drug candidate against triple negative breast cancer targeting the frizzled receptor of wingless-related integration site signaling pathway. Journal of Biomolecular Structure and Dynamics, 2023, 41, 1561-1573.	2.0	18
5	Novel small molecules targeting bZIP23 TF improve stomatal conductance and photosynthesis under mild drought stress by regulating ABA. FEBS Journal, 2022, 289, 6058-6077.	2.2	17
6	Natural epiestriol-16 act as potential lead molecule against prospective molecular targets of multidrug resistant Acinetobacter baumannii-Insight from in silico modelling and in vitro investigations. Infection, Genetics and Evolution, 2020, 82, 104314.	1.0	16
7	Response regulator GacA and transcriptional activator RhlR proteins involved in biofilm formation of Pseudomonas aeruginosa are prospective targets for natural lead molecules: Computational modelling, molecular docking and dynamic simulation studies. Infection, Genetics and Evolution, 2020, 85, 104448.	1.0	13
8	Mitogen activated protein kinase-1 and cell division control protein-42 are putative targets for the binding of novel natural lead molecules: a therapeutic intervention against Candida albicans. Journal of Biomolecular Structure and Dynamics, 2020, 38, 4584-4599.	2.0	10
9	Spiro Benzodiazepine Substituted Fluorocoumarins as Potent Anti-Anxiety Agents. Russian Journal of Bioorganic Chemistry, 2021, 47, 390-398.	0.3	10
10	Stress-Induced Detoxification Enzymes in Rice Have Broad Substrate Affinity. ACS Omega, 2021, 6, 3399-3410.	1.6	9
11	Molecular Docking and Interaction Studies of Identified Abscisic Acid Receptors in Oryza sativa: An In-Silico Perspective on Comprehending Stress Tolerance Mechanisms. Current Genomics, 2021, 22, 607-619.	0.7	8
12	Understanding the Xylooligosaccharides Utilization Mechanism of Lactobacillus brevis and Bifidobacterium adolescentis: Proteins Involved and Their Conformational Stabilities for Effectual Binding. Molecular Biotechnology, 2022, 64, 75-89.	1.3	6
13	Carbon fullerene acts as potential lead molecule against prospective molecular targets of biofilm-producing multidrug-resistant Acinetobacter baumanni and Pseudomonas aerugenosa: computational modeling and MD simulation studies. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1121-1137.	2.0	3
14	Study of SARS-nCoV2 Indian Isolates Gaining Insights into Mutation Frequencies, Protein Stability and Prospective Effect on Pathogenicity. Coronaviruses, 2021, 2, .	0.2	3
15	Genome Resequencing Reveals Single Nucleotide Polymorphism and Repeat Regions in Giardia lamblia Indian Isolate. Journal of Next Generation Sequencing & Applications, 2017, 04, .	0.3	1