

Mohnad Abdalla

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

834
citations

516215

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676716

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78
all docs

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docs citations

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times ranked

638
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#	ARTICLE	IF	CITATIONS
1	Caffeic acid derivatives (CAFDs) as inhibitors of SARS-CoV-2: CAFDs-based functional foods as a potential alternative approach to combat COVID-19. <i>Phytomedicine</i> , 2021, 85, 153310.	2.3	78
2	Metformin and COVID-19: A novel deal of an old drug. <i>Journal of Medical Virology</i> , 2020, 92, 2293-2294.	2.5	40
3	SnapShot: TP53 status and macrophages infiltration in TCGA-analyzed tumors. <i>International Immunopharmacology</i> , 2020, 86, 106758.	1.7	37
4	Repurposing benzimidazole and benzothiazole derivatives as potential inhibitors of SARS-CoV-2: DFT, QSAR, molecular docking, molecular dynamics simulation, and in-silico pharmacokinetic and toxicity studies. <i>Journal of King Saud University - Science</i> , 2021, 33, 101637.	1.6	34
5	In silico studies on phytochemicals to combat the emerging COVID-19 infection. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101367.	2.4	32
6	Molecular dynamic study of SARS-CoV-2 with various S protein mutations and their effect on thermodynamic properties. <i>Computers in Biology and Medicine</i> , 2022, 141, 105025.	3.9	32
7	Co-delivery of hesperidin and clarithromycin in a nanostructured lipid carrier for the eradication of <i>Helicobacter pylori</i> in vitro. <i>Bioorganic Chemistry</i> , 2021, 112, 104896.	2.0	29
8	Molecular docking and dynamic simulations of Cefixime, Etoposide and Nebrodenside A against the pathogenic proteins of SARS-CoV-2. <i>Journal of Molecular Structure</i> , 2022, 1247, 131296.	1.8	27
9	Computational Investigations for Identification of Bioactive Molecules from <i>Baccaurea ramiflora</i> and <i>Bergenia ciliata</i> as Inhibitors of SARS-CoV-2 M ^{pro} . <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2459-2487.	1.4	25
10	Structural and Biochemical Insights into the Multiple Functions of Yeast Grx3. <i>Journal of Molecular Biology</i> , 2018, 430, 1235-1248.	2.0	23
11	Plant Resources Utilization among Different Ethnic Groups of Ladakh in Trans-Himalayan Region. <i>Biology</i> , 2021, 10, 827.	1.3	23
12	GATA3 and stemness of high-grade serous ovarian carcinoma: novel hope for the deadliest type of ovarian cancer. <i>Human Cell</i> , 2020, 33, 904-906.	1.2	21
13	Emerging mutations in envelope protein of SARS-CoV-2 and their effect on thermodynamic properties. <i>Informatics in Medicine Unlocked</i> , 2021, 25, 100675.	1.9	21
14	Alkaline hydrogen peroxide pretreatment of bamboo culm for improved enzymatic release of reducing sugars using recombinant cellulases. <i>Cellulose</i> , 2020, 27, 769-779.	2.4	19
15	In situ tuning proangiogenic factor-mediated immunotolerance synergizes the tumoricidal immunity via a hypoxia-triggerable liposomal bio-nanoreactor. <i>Theranostics</i> , 2020, 10, 11998-12010.	4.6	19
16	Metformin: Ongoing Journey with Superdrug Revolution. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 1-4.	0.6	19
17	Computational Study of SARS-CoV-2 RNA Dependent RNA Polymerase Allosteric Site Inhibition. <i>Molecules</i> , 2022, 27, 223.	1.7	17
18	Design of lipid-based nanocarrier for drug delivery has a double therapy for six common pathogens eradication. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126662.	2.3	16

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19	Long-Term Impact of Transhumance Pastoralism and Associated Disturbances in High-Altitude Forests of Indian Western Himalaya. <i>Sustainability</i> , 2021, 13, 12497.	1.6	16
20	In silico identification and study of potential anti-mosquito juvenile hormone binding protein (MJHBP) compounds as candidates for dengue virus - Vector insecticides. <i>Biochemistry and Biophysics Reports</i> , 2021, 28, 101178.	0.7	16
21	Preparation, urease inhibition mechanisms, and anti- <i>Helicobacter pylori</i> activities of hesperetin-7-rhamnoglucoside. <i>Current Research in Microbial Sciences</i> , 2022, 3, 100103.	1.4	15
22	Inhaled mRNA Nanoformulation with Biogenic Ribosomal Protein Reverses Established Pulmonary Fibrosis in a Bleomycin-Induced Murine Model. <i>Advanced Materials</i> , 2022, 34, e2107506.	11.1	15
23	In-silico investigation of phenolic compounds from leaves of <i>Phillyrea angustifolia</i> L. as a potential inhibitor against the SARS-CoV-2 main protease (Mpro PDB ID:5R83) using a virtual screening method. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101473.	2.4	15
24	Crystal structure of yeast monothiol glutaredoxin Grx6 in complex with a glutathione-coordinated [2Fe-2S] cluster. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 732-737.	0.4	12
25	Effects of Zinc Oxide Nanoparticles Synthesized Using <i>Aspergillus niger</i> on Carbapenem-Resistant <i>Klebsiella pneumonia</i> In Vitro and In Vivo. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 748739.	1.8	12
26	GATA3 as a regulator for naughty cancer-associated fibroblasts in the microenvironment of high-grade serous ovarian cancer. <i>Human Cell</i> , 2021, 34, 1934-1936.	1.2	11
27	Computational studies on potential new anti-Covid-19 agents with a multi-target mode of action. <i>Journal of King Saud University - Science</i> , 2022, 34, 102086.	1.6	11
28	Important Factors Influencing Protein Crystallization. , 0, , 025-028.		10
29	Phenolic profile, antioxidant and enzyme inhibition properties of seed methanolic extract of seven new Sunflower lines: From fields to industrial applications. <i>Process Biochemistry</i> , 2021, 111, 53-61.	1.8	10
30	Spectroscopic, Solvation Effects and MD Simulation of an Adamantane-Carbohydrazide Derivative, a Potential Antiviral Agent. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2056-2070.	1.4	9
31	Berberine chloride (dual topoisomerase I and II inhibitor) modulate mitochondrial uncoupling protein (UCP1) in molecular docking and dynamic with in-vitro cytotoxic and mitochondrial ATP production. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1704-1714.	2.0	9
32	Are the new SARS-CoV-2 variants resistant against the vaccine?. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 3489-3490.	1.4	8
33	Key Factors for Successful Protein Purification and Crystallization. <i>Global Journal of Biotechnology and Biomaterial Science</i> , 2018, 4, 001-007.	0.3	8
34	Structure-Based Virtual Screening, Molecular Docking, and Molecular Dynamics Simulation of VEGF inhibitors for the clinical treatment of Ovarian Cancer. <i>Journal of Molecular Modeling</i> , 2022, 28, 100.	0.8	8
35	The role of GATA3 in the metastasis of triple-negative breast cancer and high-grade serous ovarian cancer. <i>Human Cell</i> , 2022, 35, 1298-1300.	1.2	8
36	Comparison of structures among <i>Saccharomyces cerevisiae</i> Grxs proteins. <i>Genes and Environment</i> , 2018, 40, 17.	0.9	7

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37	Structure analysis of yeast glutaredoxin Grx6 protein produced in Escherichia coli. Genes and Environment, 2018, 40, 15.	0.9	7
38	Transplacental transmission of SARS-CoV-2 infection via NRP1. Travel Medicine and Infectious Disease, 2021, 40, 101987.	1.5	7
39	Ebselen suitably interacts with the potential SARS-CoV-2 targets: an <i>in-silico</i> approach. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12286-12301.	2.0	7
40	Species Distribution Pattern and Their Contribution in Plant Community Assembly in Response to Ecological Gradients of the Ecotonal Zone in the Himalayan Region. Plants, 2021, 10, 2372.	1.6	7
41	Chalcone Scaffolds Exhibiting Acetylcholinesterase Enzyme Inhibition: Mechanistic and Computational Investigations. Molecules, 2022, 27, 3181.	1.7	7
42	Progress in research on the S protein as the target of COVID-19 vaccines. Expert Review of Vaccines, 2021, 20, 769-772.	2.0	6
43	Ovarian cancer immunotherapy of NF- κ B may have a dark side. Human Cell, 2021, 34, 1019-1020.	1.2	6
44	Bioinspired nano-painting on orthopedic implants orchestrates periprosthetic anti-infection and osseointegration in a rat model of arthroplasty. Chemical Engineering Journal, 2022, 435, 134848.	6.6	6
45	Glycyrrhizin (Glycyrrhizic Acid) HMGB1 (high mobility group box 1) inhibitor upregulate mitochondrial function in adipocyte, cell viability and <i>in-silico</i> study. Journal of Saudi Chemical Society, 2022, 26, 101454.	2.4	6
46	Structure-Based Virtual Screening, Molecular Docking, Molecular Dynamics Simulation and Pharmacokinetic modelling of Cyclooxygenase-2 (COX-2) inhibitor for the clinical treatment of Colorectal Cancer. Molecular Simulation, 2022, 48, 1081-1101.	0.9	6
47	What are the challenges faced by COVID-19 vaccines?. Expert Review of Vaccines, 2022, 21, 5-7.	2.0	5
48	Effect of Coriolus versicolor glucan on the stimulation of cytokine production in sarcoma-180-bearing mice. Biomedical Reports, 2017, 7, 567-572.	0.9	4
49	In the face of the future, what do we learn from COVID-19?. Human Vaccines and Immunotherapeutics, 2021, 17, 4119-4120.	1.4	4
50	Arabidopsis NLP7 improves nitrogen use efficiency and yield in cotton. Journal of Cotton Research, 2022, 5, .	1.0	4
51	Sarcocucine-D Inhibits Cholinesterases and Calcium Channels: Molecular Dynamics Simulation and In Vitro Mechanistic Investigations. Molecules, 2022, 27, 3361.	1.7	4
52	Comprehensive Structural and Functional Characterization of a Seed β -thionin as a Potent Bioactive Molecule Against Fungal Pathogens and Insect Pests. Current Medicinal Chemistry, 2022, 29, 6446-6462.	1.2	4
53	Number of Cysteine Interactions with the Activity in GRX Family. Journal of Proteomics and Bioinformatics, 2017, 10, .	0.4	3
54	Identification of new pathogenicity related to the gene encoding hypothetical protein in the gray mold fungus (Botrytis cinerea). Australian Journal of Crop Science, 2017, 11, 1236-1243.	0.1	3

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55	Neuropilin-1 may be responsible for retinal findings in patients with COVID-19. <i>Human Cell</i> , 2021, 34, 1280-1281.	1.2	3
56	Analgesic and Anti-Inflammatory Potential of Essential Oil of <i>Eucalyptus camaldulensis</i> Leaf: In Vivo and in Silico Studies. <i>Natural Product Communications</i> , 2021, 16, 1934578X2110076.	0.2	3
57	<i>Botrytis cinerea</i> alcohol dehydrogenase mediates fungal development, environmental adaptation and pathogenicity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-13.	2.0	3
58	Anticancer, antioxidant activities and molecular docking study of thiazolidine-4-one and thiadiazol derivatives. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 3976-3992.	2.0	3
59	Formononetin: Novel Deal for Androgenetic Alopecia. <i>Archives of Medical Research</i> , 2020, 51, 30-31.	1.5	2
60	New Insight of OCT2 Regulation as Mediator for Cisplatin- Induced Nephrotoxicity. <i>Asian Pacific Journal of Cancer Prevention</i> , 2017, 18, 1459-1460.	0.5	2
61	<i>Trigonella foenum-graecum</i> Methanolic Extract on Isolated Smooth Muscles and Acetylcholinesterase Enzyme: An In Vitro and Mechanistic In Silico Investigation. <i>BioMed Research International</i> , 2022, 2022, 1-12.	0.9	2
62	Epigenetic drug (XL019) JAK2 inhibitor increases mitochondrial function in brown adipocytes by upregulating mitochondrial uncoupling protein 1 (UCP1), screening of epigenetic drug libraries, cell viability, and in-silico studies. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101516.	2.4	2
63	Rifabutin induced multinucleated hepatocytes in rats: an overview with future prospects. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1-2.	1.3	1
64	Novel Schiff Bases Ligands and Their Complexes: Thermal Analysis, Antibacterial Activity, and Molecular Docking. <i>Egyptian Journal of Chemistry</i> , 2021, .	0.1	1
65	Synthesis, crystal structure, hirshfeld surface analysis, molecular docking and molecular dynamics studies of novel olanzapinium 2,5-dihydroxybenzoate as potential and active antipsychotic compound. <i>Journal of Experimental Nanoscience</i> , 2022, 17, 247-273.	1.3	1
66	Molecular cloning, expression, purification, and functional characterization of SP α 22 gene from <i>Bombyx mori</i> . <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15594-15603.	1.2	0
67	Reply to "Comment on "In Situ Mannosylated Nanotrinity-Mediated Macrophage Remodeling Combats <i>Candida Albicans</i> Infection" ACS Nano, 2021, 15, 3544-3545.	7.3	0
68	Future directions of fibrosis in medicine. <i>Digestive Diseases</i> , 2021, , .	0.8	0
69	Species-specific and altitude-related variations in stomatal features of <i>Berberis lycium</i> Royle and <i>B. parkeriana</i> C.K. Schneid. <i>Botany Letters</i> , 0, , 1-8.	0.7	0
70	Correction to: Arabidopsis NLP7 improves nitrogen use efficiency and yield in cotton. <i>Journal of Cotton Research</i> , 2022, 5, .	1.0	0
71	Inhaled mRNA Nanoformulation with Biogenic Ribosomal Protein Reverses Established Pulmonary Fibrosis in a Bleomycin-Induced Murine Model (Adv. Mater. 14/2022). <i>Advanced Materials</i> , 2022, 34, .	11.1	0