

Faizan Abul Qais

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

902
citations

16
h-index

27
g-index

77
ext. papers

1,252
ext. citations

4.1
avg, IF

5.03
L-index

#	Paper	IF	Citations
73	Biosynthesized Zinc Oxide Nanoparticles Disrupt Established Biofilms of Pathogenic Bacteria. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 710	2.6	6
72	screening and validation of phytocompounds as multidrug efflux pump inhibitor against .. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022 , 1-13	3.6	0
71	Design of novel benzimidazole derivatives as potential α -amylase inhibitors using QSAR, pharmacokinetics, molecular docking, and molecular dynamics simulation studies.. <i>Journal of Molecular Modeling</i> , 2022 , 28, 106	2	2
70	QSAR modeling, molecular docking, ADMET prediction and molecular dynamics simulations of some 6-arylquinazolin-4-amine derivatives as DYRK1A inhibitors. <i>Journal of Molecular Structure</i> , 2022 , 1258, 132659	3.4	2
69	2D-QSAR and molecular docking studies of carbamate derivatives to discover novel potent anti-butyrylcholinesterase agents for Alzheimer's disease treatment. <i>Bulletin of the Korean Chemical Society</i> , 2022 , 43, 277-292	1.2	4
68	Identification of potent inhibitors of NEK7 protein using a comprehensive computational approach.. <i>Scientific Reports</i> , 2022 , 12, 6404	4.9	4
67	In silico investigation of phytoconstituents from Cameroonian medicinal plants towards COVID-19 treatment.. <i>Structural Chemistry</i> , 2022 , 1-15	1.8	0
66	Analysis and prediction pathways of natural products and their cytotoxicity against HeLa cell line protein using docking, molecular dynamics and ADMET. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-13	3.6	4
65	MRSA, EBSL, and Biofilm Formation in Diabetic Foot Ulcer Infections 2021 , 149-160		
64	Studies on the synergistic action of methylglyoxal and peroxyxynitrite on structure and function of human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-14	3.6	
63	Cameroonian medicinal plants as potential candidates of SARS-CoV-2 inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-15	3.6	10
62	Biofabrication of Gold Nanoparticles Using Extract and Its Antiquorum Sensing and Antibiofilm Activity against Bacterial Pathogens. <i>ACS Omega</i> , 2021 , 6, 16670-16682	3.9	10
61	Design, synthesis and molecular modeling studies of novel mesalamine linked coumarin for treatment of inflammatory bowel disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 41, 128029	2.9	11
60	Mechanistic insight into glycation inhibition of human serum albumin by vitamin B9: Multispectroscopic and molecular docking approach. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 426-434	7.9	2
59	Computational studies on phylogeny and drug designing using molecular simulations for COVID-19. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-10	3.6	4
58	Glyburide inhibits non-enzymatic glycation of HSA: An approach for the management of AGEs associated diabetic complications. <i>International Journal of Biological Macromolecules</i> , 2021 , 169, 143-152	7.9	10
57	Naringin inhibits the biofilms of metallo- β -lactamases (M β Ls) producing species isolated from camel meat. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 333-341	4	4

56	Microwave-Assisted Rapid Green Synthesis of Gold Nanoparticles Using Seed Extract of : ROS Mediated Biofilm Inhibition and Anticancer Activity. <i>Biomolecules</i> , 2021 , 11,	5.9	23
55	Biofabricated silver nanoparticles exhibit broad-spectrum antibiofilm and antiquorum sensing activity against Gram-negative bacteria.. <i>RSC Advances</i> , 2021 , 11, 13700-13710	3.7	7
54	Coumarin Exhibits Broad-Spectrum Antibiofilm and Antiquorum Sensing Activity against Gram-Negative Bacteria: and Investigation. <i>ACS Omega</i> , 2021 , 6, 18823-18835	3.9	9
53	Interference of quorum sensing regulated bacterial virulence factors and biofilms by <i>Plumbago zeylanica</i> extract. <i>Microscopy Research and Technique</i> , 2021 , 84, 3150-3160	2.8	0
52	Combined molecular docking and dynamics simulations studies of natural compounds as potent inhibitors against SARS-CoV-2 main protease. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-10 ^{3.6}		9
51	Plumbagin inhibits quorum sensing-regulated virulence and biofilms of Gram-negative bacteria: and investigations. <i>Biofouling</i> , 2021 , 37, 724-739	3.3	2
50	<i>Myrtus communis</i> and its bioactive phytoconstituent, linalool, interferes with Quorum sensing regulated virulence functions and biofilm of uropathogenic bacteria: In vitro and in silico insights. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101588	3.6	4
49	Bio-fabrication of titanium oxide nanoparticles from <i>Ochradenus arabicus</i> to obliterate biofilms of drug-resistant <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> isolated from diabetic foot infections. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 375-387	3.3	6
48	Mechanistic inhibition of non-enzymatic glycation and aldose reductase activity by naringenin: Binding, enzyme kinetics and molecular docking analysis. <i>International Journal of Biological Macromolecules</i> , 2020 , 159, 87-97	7.9	16
47	Binding of cationic Cm-E2O-Cm gemini surfactants with human serum albumin and the role of β -cyclodextrin. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113365	6	6
46	Phyto-Mediated Synthesis of Porous Titanium Dioxide Nanoparticles From Root Extract: Broad-Spectrum Attenuation of Biofilm and Cytotoxic Properties Against HepG2 Cell Lines. <i>Frontiers in Microbiology</i> , 2020 , 11, 1680	5.7	21
45	Green synthesis of silver nanoparticles using <i>Carum copticum</i> : Assessment of its quorum sensing and biofilm inhibitory potential against gram negative bacterial pathogens. <i>Microbial Pathogenesis</i> , 2020 , 144, 104172	3.8	22
44	Deciphering the interaction of food additive, vanillin with DNA: A biophysical and computational study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 4967-4975	3.6	2
43	In-vitro binding analysis of bovine serum albumin with sulindac/chlorpromazine: Spectroscopic, calorimetric and computational approaches. <i>Journal of Molecular Liquids</i> , 2020 , 299, 112124	6	10
42	Carbamylation of human serum albumin generates high-molecular weight aggregates: fine characterization by multi-spectroscopic methods and electron microscopy. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 2380-2388	7.9	3
41	Fabrication of Zinc Oxide-Xanthan Gum Nanocomposite via Green Route: Attenuation of Quorum Sensing Regulated Virulence Functions and Mitigation of Biofilm in Gram-Negative Bacterial Pathogens. <i>Coatings</i> , 2020 , 10, 1190	2.9	7
40	Enhanced Removal of Crystal Violet Dye and Anti-Biofilm Activity of Ti Doped CeO ₂ Nanoparticles Synthesized by Phoenix <i>Dactylifera</i> Mediated Green Method. <i>Journal of Cluster Science</i> , 2020 , 1	3	2
39	Deciphering the interaction of plumbagin with human serum albumin: A combined biophysical and molecular docking study. <i>Journal of King Saud University - Science</i> , 2020 , 32, 2854-2862	3.6	2

38	Characterization of interactions between cromolyn sodium and bovine serum albumin by spectroscopic, calorimetric and computational methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 722-732	3.6	10
37	Anti-diabetic study of vitamin B6 on hyperglycaemia induced protein carbonylation, DNA damage and ROS production in alloxan induced diabetic rats. <i>Toxicology Research</i> , 2019 , 8, 568-579	2.6	8
36	Eco-friendly green synthesis of dextrin based poly (methyl methacrylate) grafted silver nanocomposites and their antibacterial and antibiofilm efficacy against multi-drug resistance pathogens. <i>Journal of Cleaner Production</i> , 2019 , 230, 1148-1155	10.3	29
35	Antibacterial Effect of Silver Nanoparticles Synthesized Using (L.) against Multidrug-Resistant Pathogens. <i>Bioinorganic Chemistry and Applications</i> , 2019 , 2019, 4649506	4.2	91
34	Mechanism of non-enzymatic antiglycation action by coumarin: a biophysical study. <i>New Journal of Chemistry</i> , 2019 , 43, 12823-12835	3.6	11
33	Potential of Nanoparticles in Combating Candida Infections. <i>Letters in Drug Design and Discovery</i> , 2019 , 16, 478-491	0.8	9
32	Actinomycetes as Continued Source of New Antibacterial Leads 2019 , 327-349		0
31	Emergence and Spread of Multidrug Resistance in Ocular Bacterial Pathogens: A Current Update 2019 , 71-93		
30	Green Synthesis of Metal Nanoparticles: Characterization and their Antibacterial Efficacy 2019 , 635-680		
29	Antibacterial Drug Discovery: Perspective Insights 2019 , 1-21		1
28	Efflux Pump Inhibitors and Their Role in the Reversal of Drug Resistance 2019 , 251-275		1
27	Bioactive extracts of and thymol inhibit biofilm development by multidrug-resistant extended spectrum β -lactamase producing enteric bacteria. <i>Biofouling</i> , 2019 , 35, 1026-1039	3.3	9
26	Broad-spectrum quorum sensing and biofilm inhibition by green tea against gram-negative pathogenic bacteria: Deciphering the role of phytochemicals through molecular modelling. <i>Microbial Pathogenesis</i> , 2019 , 126, 379-392	3.8	32
25	Plant-Derived Prebiotics and Its Health Benefits 2019 , 63-88		5
24	Indian Berries and Their Active Compounds 2019 , 179-201		1
23	Understanding Biochemical and Molecular Mechanism of Complications of Glycation and Its Management by Herbal Medicine 2019 , 331-366		4
22	Herb and Modern Drug Interactions 2019 , 503-520		1
21	Nanoparticles in Ayurvedic Medicine: Potential and Prospects 2019 , 581-596		

20	Bioactive extracts of <i>L. enhances efficacy of ciprofloxacin against MDR enteric bacteria. Saudi Journal of Biological Sciences, 2019, 26, 1848-1855</i>	4	6
19	Genotoxicity inhibition by (<i>L.</i>) seed fraction and rutin: understanding the underlying mechanism of DNA protection. <i>Toxicology Research, 2018, 7, 156-171</i>	2.6	12
18	Effect of glycation on human serum albumin-zinc interaction: a biophysical study. <i>Journal of Biological Inorganic Chemistry, 2018, 23, 447-458</i>	3.7	15
17	Prevalence and Antibiotic Resistance Profiles of <i>Campylobacter jejuni</i> Isolated from Poultry Meat and Related Samples at Retail Shops in Northern India. <i>Foodborne Pathogens and Disease, 2018, 15, 218-225</i>	3.8	24
16	Antioxidant properties and anti-mutagenic potential of Piper Cubeba fruit extract and molecular docking of certain bioactive compounds. <i>Drug and Chemical Toxicology, 2018, 41, 358-367</i>	2.3	5
15	Multi-spectroscopic and molecular modelling approach to investigate the interaction of riboflavin with human serum albumin. <i>Journal of Biomolecular Structure and Dynamics, 2018, 36, 795-809</i>	3.6	59
14	In vitro interaction of cefotaxime with calf thymus DNA: Insights from spectroscopic, calorimetric and molecular modelling studies. <i>Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 193-205</i>	3.5	34
13	Broad-spectrum inhibitory effect of green synthesised silver nanoparticles from <i>Withania somnifera</i> (<i>L.</i>) on microbial growth, biofilm and respiration: a putative mechanistic approach. <i>IET Nanobiotechnology, 2018, 12, 325-335</i>	2	23
12	Characterization of the binding of triprolidine hydrochloride to hen egg white lysozyme by multi-spectroscopic and molecular docking techniques. <i>Journal of Molecular Liquids, 2018, 269, 521-528</i>	6	13
11	Titanium dioxide nanoparticles preferentially bind in subdomains IB, IIA of HSA and minor groove of DNA. <i>Journal of Biomolecular Structure and Dynamics, 2018, 36, 2530-2542</i>	3.6	13
10	Facile Synthesis of Tin Oxide Hollow Nanoflowers Interfering with Quorum Sensing-Regulated Functions and Bacterial Biofilms. <i>Journal of Nanomaterials, 2018, 2018, 1-11</i>	3.2	13
9	Study of pyridoxamine against glycation and reactive oxygen species production in human serum albumin as model protein: An in vitro & ex vivo approach. <i>International Journal of Biological Macromolecules, 2018, 120, 1734-1743</i>	7.9	16
8	Nanoparticles as Quorum Sensing Inhibitor: Prospects and Limitations 2018, 227-244		4
7	Quorum Sensing Interference by Natural Products from Medicinal Plants: Significance in Combating Bacterial Infection 2018, 417-445		3
6	Biofabrication of Zinc Oxide Nanoparticle from <i>Ochradenus baccatus</i> Leaves: Broad-Spectrum Antibiofilm Activity, Protein Binding Studies, and In Vivo Toxicity and Stress Studies. <i>Journal of Nanomaterials, 2018, 2018, 1-14</i>	3.2	27
5	Interaction of capsaicin with calf thymus DNA: A multi-spectroscopic and molecular modelling study. <i>International Journal of Biological Macromolecules, 2017, 97, 392-402</i>	7.9	86
4	Inhibitory effect of vitamin B against glycation and reactive oxygen species production in HSA: An in vitro approach. <i>Archives of Biochemistry and Biophysics, 2017, 627, 21-29</i>	4.1	21
3	Biofilms: An Overview of Their Significance in Plant and Soil Health 2017, 1-25		4

2	Unraveling the thermodynamics, binding mechanism and conformational changes of HSA with chromolyn sodium: Multispecroscopy, isothermal titration calorimetry and molecular docking studies. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 92-102	7.9	32
1	Understanding the mechanism of non-enzymatic glycation inhibition by cinnamic acid: an in vitro interaction and molecular modelling study. <i>RSC Advances</i> , 2016 , 6, 65322-65337	3.7	54