

# Faizan Abul Qais

## List of Publications by Year in descending order

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76  
papers

1,789  
citations

279487

23  
h-index

329751

37  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial Effect of Silver Nanoparticles Synthesized Using <i>Murraya koenigii</i> (L.) against Multidrug-Resistant Pathogens. <i>Bioinorganic Chemistry and Applications</i> , 2019, 2019, 1-11.	1.8	148
2	Interaction of capsaicin with calf thymus DNA: A multi-spectroscopic and molecular modelling study. <i>International Journal of Biological Macromolecules</i> , 2017, 97, 392-402.	3.6	107
3	Multi-spectroscopic and molecular modelling approach to investigate the interaction of riboflavin with human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 795-809.	2.0	74
4	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.	1.7	70
5	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.	1.3	60
6	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.	4.6	57
7	Microwave-Assisted Rapid Green Synthesis of Gold Nanoparticles Using Seed Extract of <i>Trachyspermum ammi</i> : ROS Mediated Biofilm Inhibition and Anticancer Activity. <i>Biomolecules</i> , 2021, 11, 197.	1.8	54
8	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.	1.3	53
9	Phyto-Mediated Synthesis of Porous Titanium Dioxide Nanoparticles From <i>Withania somnifera</i> Root Extract: Broad-Spectrum Attenuation of Biofilm and Cytotoxic Properties Against HepG2 Cell Lines. <i>Frontiers in Microbiology</i> , 2020, 11, 1680.	1.5	51
10	Identification of potent inhibitors of NEK7 protein using a comprehensive computational approach. <i>Scientific Reports</i> , 2022, 12, 6404.	1.6	48
11	Unraveling the thermodynamics, binding mechanism and conformational changes of HSA with chromolyn sodium: Multispectroscopy, isothermal titration calorimetry and molecular docking studies. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 92-102.	3.6	46
12	In vitro interaction of cefotaxime with calf thymus DNA: Insights from spectroscopic, calorimetric and molecular modelling studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 193-205.	1.4	41
13	Design of novel benzimidazole derivatives as potential $\alpha$ -amylase inhibitors using QSAR, pharmacokinetics, molecular docking, and molecular dynamics simulation studies. <i>Journal of Molecular Modeling</i> , 2022, 28, 106.	0.8	41
14	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</i> , 2018, 15, 218-225.	0.8	39
15	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</i> , 2018, 2018, 1-14.	1.5	38
16	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> , 2022, 40, 11264-11273.	2.0	37
17	Cameroonian medicinal plants as potential candidates of SARS-CoV-2 inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8615-8629.	2.0	36
18	Broad-spectrum inhibitory effect of green synthesised silver nanoparticles from <i>Withania somnifera</i> (L.) on microbial growth, biofilm and respiration: a putative mechanistic approach. <i>IET Nanobiotechnology</i> , 2018, 12, 325-335.	1.9	34

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19	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.	3.6	34
20	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.	3.6	34
21	Inhibitory effect of vitamin B 3 against glycation and reactive oxygen species production in HSA: An in vitro approach. <i>Archives of Biochemistry and Biophysics</i> , 2017, 627, 21-29.	1.4	28
22	Biofabrication of Gold Nanoparticles Using <i>Capsicum annuum</i> Extract and Its Antiquorum Sensing and Antibiofilm Activity against Bacterial Pathogens. <i>ACS Omega</i> , 2021, 6, 16670-16682.	1.6	28
23	Mechanism of non-enzymatic antiglycation action by coumarin: a biophysical study. <i>New Journal of Chemistry</i> , 2019, 43, 12823-12835.	1.4	26
24	Coumarin Exhibits Broad-Spectrum Antibiofilm and Antiquorum Sensing Activity against Gram-Negative Bacteria: <i>In Vitro</i> and <i>In Silico</i> Investigation. <i>ACS Omega</i> , 2021, 6, 18823-18835.	1.6	26
25	Biofabricated silver nanoparticles exhibit broad-spectrum antibiofilm and antiquorum sensing activity against Gram-negative bacteria. <i>RSC Advances</i> , 2021, 11, 13700-13710.	1.7	24
26	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.	1.0	24
27	Biosynthesized Zinc Oxide Nanoparticles Disrupt Established Biofilms of Pathogenic Bacteria. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 710.	1.3	23
28	2D-QSAR and molecular docking studies of carbamate derivatives to discover novel potent anti-acetylcholinesterase agents for Alzheimer's disease treatment. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 277-292.	1.0	22
29	Effect of glycation on human serum albumin-zinc interaction: a biophysical study. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 447-458.	1.1	21
30	Titanium dioxide nanoparticles preferentially bind in subdomains IB, IIA of HSA and minor groove of DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 2530-2542.	2.0	20
31	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</i> , 2018, 120, 1734-1743.	3.6	19
32	Characterization of the binding of triprolidine hydrochloride to hen egg white lysozyme by multi-spectroscopic and molecular docking techniques. <i>Journal of Molecular Liquids</i> , 2018, 269, 521-528.	2.3	18
33	Plumbagin inhibits quorum sensing-regulated virulence and biofilms of Gram-negative bacteria: <i>In vitro</i> and <i>In silico</i> investigations. <i>Biofouling</i> , 2021, 37, 724-739.	0.8	18
34	Genotoxicity inhibition by <i>Syzygium cumini</i> (L.) seed fraction and rutin: understanding the underlying mechanism of DNA protection. <i>Toxicology Research</i> , 2018, 7, 156-171.	0.9	17
35	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.	2.0	17
36	Facile Synthesis of Tin Oxide Hollow Nanoflowers Interfering with Quorum Sensing-Regulated Functions and Bacterial Biofilms. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-11.	1.5	16

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37	Bioactive extracts of <i>Carum copticum</i> and thymol inhibit biofilm development by multidrug-resistant extended spectrum $\beta$ -lactamase producing enteric bacteria. <i>Biofouling</i> , 2019, 35, 1026-1039.	0.8	16
38	Bioactive extracts of <i>Carum copticum</i> L. enhances efficacy of ciprofloxacin against MDR enteric bacteria. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1848-1855.	1.8	16
39	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.	2.3	16
40	Computational studies on phylogeny and drug designing using molecular simulations for COVID-19. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 10753-10762.	2.0	16
41	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.	0.9	15
42	Binding and thermodynamic study of thalidomide with calf thymus DNA: Spectroscopic and computational approaches. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 644-655.	3.6	15
43	In silico investigation of phytoconstituents from Cameroonian medicinal plants towards COVID-19 treatment. <i>Structural Chemistry</i> , 2022, 33, 1799-1813.	1.0	15
44	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.	1.6	14
45	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.	1.8	14
46	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.	1.2	13
47	Potential of Nanoparticles in Combating <i>Candida</i> Infections. <i>Letters in Drug Design and Discovery</i> , 2019, 16, 478-491.	0.4	13
48	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> , 2023, 41, 765-777.	2.0	13
49	In silico screening and in vitro validation of phytocompounds as multidrug efflux pump inhibitor against <i>E. coli</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 2189-2201.	2.0	13
50	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.	3.6	12
51	<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.	1.6	12
52	Naringin inhibits the biofilms of metallo- $\beta$ -lactamases ( $M\beta$ Ls) producing <i>Pseudomonas</i> species isolated from camel meat. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 333-341.	1.8	11
53	Plant-Derived Prebiotics and Its Health Benefits. , 2019, , 63-88.		10
54	Enhanced Removal of Crystal Violet Dye and Anti-Biofilm Activity of Ti Doped CeO <sub>2</sub> Nanoparticles Synthesized by Phoenix <i>Dactylifera</i> Mediated Green Method. <i>Journal of Cluster Science</i> , 2021, 32, 1723-1737.	1.7	10

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55	Antioxidant properties and anti-mutagenic potential of Piper Cubeba fruit extract and molecular docking of certain bioactive compounds. Drug and Chemical Toxicology, 2018, 41, 358-367.	1.2	9
56	Nanoparticles as Quorum Sensing Inhibitor: Prospects and Limitations. , 2018, , 227-244.		9
57	Binding of cationic Cm-E2O-Cm gemini surfactants with human serum albumin and the role of $\beta$ -cyclodextrin. Journal of Molecular Liquids, 2020, 312, 113365.	2.3	9
58	Interference of quorum sensing regulated bacterial virulence factors and biofilms by <i>Plumbago zeylanica</i> extract. Microscopy Research and Technique, 2021, 84, 3150-3160.	1.2	9
59	Discovery of Phenylcarbamoylazine-1,2,4-Triazole Amides Derivatives as the Potential Inhibitors of Aldo-Keto Reductases (AKR1B1 & AKRB10): Potential Lead Molecules for Treatment of Colon Cancer. Molecules, 2022, 27, 3981.	1.7	7
60	Deciphering the interaction of plumbagin with human serum albumin: A combined biophysical and molecular docking study. Journal of King Saud University - Science, 2020, 32, 2854-2862.	1.6	6
61	Quorum Sensing Interference by Natural Products from Medicinal Plants: Significance in Combating Bacterial Infection. , 2018, , 417-445.		5
62	Carbamylation of human serum albumin generates high-molecular weight aggregates: fine characterization by multi-spectroscopic methods and electron microscopy. International Journal of Biological Macromolecules, 2020, 164, 2380-2388.	3.6	5
63	Indian Berries and Their Active Compounds. , 2019, , 179-201.		4
64	Understanding Biochemical and Molecular Mechanism of Complications of Glycation and Its Management by Herbal Medicine. , 2019, , 331-366.		4
65	Antibacterial Drug Discovery: Perspective Insights. , 2019, , 1-21.		4
66	Herb and Modern Drug Interactions. , 2019, , 503-520.		2
67	Deciphering the interaction of food additive, vanillin with DNA: A biophysical and computational study. Journal of Biomolecular Structure and Dynamics, 2020, 38, 4967-4975.	2.0	2
68	Efflux Pump Inhibitors and Their Role in the Reversal of Drug Resistance. , 2019, , 251-275.		2
69	Studies on the synergistic action of methylglyoxal and peroxynitrite on structure and function of human serum albumin. Journal of Biomolecular Structure and Dynamics, 2023, 41, 67-80.	2.0	2
70	Organometallic ( $\eta^6$ -cymene)ruthenium(II) complexes with thiazolyl-based organic twigs: En route towards targeted delivery via human serum albumin of the potential anticancer agents. Applied Organometallic Chemistry, 2022, 36, .	1.7	2
71	Nanoparticles in Ayurvedic Medicine. , 2019, , 581-596.		1
72	Actinomycetes as Continued Source of New Antibacterial Leads. , 2019, , 327-349.		1

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73	Triamcinolone as a Potential Inhibitor of SARS-CoV-2 Main Protease and Cytokine Storm: An In silico Study. Letters in Drug Design and Discovery, 2023, 20, 1230-1242.	0.4	1
74	Emergence and Spread of Multidrug Resistance in Ocular Bacterial Pathogens: A Current Update. , 2019, , 71-93.		0
75	Green Synthesis of Metal Nanoparticles: Characterization and their Antibacterial Efficacy. , 2019, , 635-680.		0
76	MRSA, EBSL, and Biofilm Formation in Diabetic Foot Ulcer Infections. , 2021, , 149-160.		0