

# Faisal M Aqlan

## List of Publications by Year in descending order

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25  
papers

353  
citations

840119

11  
h-index

839053

18  
g-index

26  
all docs

26  
docs citations

26  
times ranked

473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave assisted synthesis of chalcone and its polycyclic heterocyclic analogues as promising antibacterial agents: In Vitro, in silico and DFT studies. <i>Journal of Molecular Structure</i> , 2019, 1190, 77-85.	1.8	37
2	Synergistic antifungal effect of cyclized chalcone derivatives and fluconazole against <i>Candida albicans</i> . <i>MedChemComm</i> , 2017, 8, 2195-2207.	3.5	32
3	Crystal structure of $N\alpha^{2-}$ [(E)-(2-hydroxynaphthalen-1-yl) methylidene] benzenesulfonohydrazide (HNMBSH) and its application as $Pb^{2+}$ ion sensor by its fabrication onto glassy carbon electrode. <i>Inorganica Chimica Acta</i> , 2017, 467, 297-306.	1.2	30
4	Effects of Nd-, Pr-, Tb- and Y-doping on the structural, textural, electrical and $N_2O$ decomposition activity of mesoporous NiO nanoparticles. <i>Applied Surface Science</i> , 2017, 419, 399-408.	3.1	29
5	Fabrication of selective and sensitive $Pb^{2+}$ detection by 2,2'-bis(1,2-phenylenebis(azaneylylidene))bis(methaneylylidene)diphenol by electrochemical approach for environmental remediation. <i>Journal of Molecular Liquids</i> , 2019, 281, 401-406.	2.3	28
6	Synthesis and synergistic studies of isatin based mixed ligand complexes as potential antifungal therapeutic agents. <i>Heliyon</i> , 2019, 5, e02055.	1.4	27
7	$\alpha$ -Amylase immobilization on amidoximated acrylic microfibrils activated by cyanuric chloride. <i>Royal Society Open Science</i> , 2018, 5, 172164.	1.1	25
8	Microwave assisted Synthesis, Characterization, and Density Functional Theory Study of Biologically Active Ferrocenyl Bispyrazoline and Bispyrimidine as Organometallic Macromolecules. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 312-318.	1.4	20
9	Synthesis, spectroscopic, single crystal diffraction and potential nonlinear optical properties of novel pyrazoline derivatives: Interplay of experimental and computational analyses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 202, 146-158.	2.0	18
10	Synthesis of novel pyrazole incorporating a coumarin moiety (PC) for selective and sensitive $Co^{2+}$ detection. <i>New Journal of Chemistry</i> , 2019, 43, 12331-12339.	1.4	18
11	Multistep Synthesis of Fluorine substituted Pyrazolopyrimidine Derivatives With Higher Antibacterial Efficacy Based on In Vitro Molecular Docking and Density Functional Theory. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 3099-3107.	1.4	16
12	Synthesis, Spectroscopic Studies of Fluorinated Pyrimido[1,2,4-d]triazines: Protective Effect Against Some Plant Pathogenic Fungi. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1310-1317.	1.4	11
13	Efficient electro-chemical sensor for sensitive $Cd^{2+}$ detection based on novel in-situ synthesized hydrazoneyl bromide (HB). <i>Journal of Molecular Structure</i> , 2021, 1231, 129690.	1.8	11
14	Azole Based Acetohydrazide Derivatives of Cinnamaldehyde Target and Kill <i>Candida albicans</i> by Causing Cellular Apoptosis. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 566-574.	1.3	9
15	Shelf life extension of wheat bread by alhydwan flour and Carboxymethylcellulose and improvement of their quality characteristics, dough rheological and microstructure. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 851-857.	3.6	9
16	Solvent effects on antioxidant activities and phenolic contents of the alhydwan ( <i>Boerhavia elegans</i> ) Tj ETQq0 0 0 rgBT /Overlgck 10 Tf 5	1.6	9
17	Catalytic Synthesis of 5-substituted Tetrazoles: Unexpected Reactions and Products. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 1613-1621.	1.4	6
18	Citral derivative activates cell cycle arrest and apoptosis signaling pathways in <i>Candida albicans</i> by generating oxidative stress. <i>Bioorganic Chemistry</i> , 2021, 115, 105260.	2.0	5

#	ARTICLE	IF	CITATIONS
19	In vitro Antiglycation, Antioxidant Properties of Coleus forskohlii "Balady" Leaves and Stem and their Antioxidant Enzyme Activities. Annual Research & Review in Biology, 2017, 19, 1-11.	0.4	5
20	Microwave Assisted Synthesis, Optical Properties and Physicochemical Investigations on the Powerful Fluorophore: Donor (D) -Acceptor (A) Chalcone. Journal of Fluorescence, 2016, 26, 2133-2140.	1.3	2
21	Synthesis Characterization and <i>In Vitro</i> Antibacterial Activity of the <i>N</i> -Substituted Bis-Pyrazoline Derivative as Polycyclic Aromatic Compounds. Polycyclic Aromatic Compounds, 2022, 42, 3412-3421.	1.4	2
22	Chemical composition, oxidative stability, and sensory properties of &emdash;Boerhavia elegana Choisy&emdash; (alhydwan) seed oil/peanut oil blends. Grasas Y Aceites, 2020, 71, 367.	0.3	2
23	Quorum Sensing and Biofilm Disrupting Potential of Imidazole Derivatives in Chromobacterium violaceum Using Antimicrobial and Drug Discovery Approaches. Brazilian Journal of Microbiology, 2022, 53, 565-582.	0.8	2
24	Effect of the addition of alhydwan flour on the physicochemical, functional properties and microstructure of wheat bread. Journal of Food Measurement and Characterization, 2020, 14, 2907-2916.	1.6	1
25	The crystal structure of 4-[(benzo[1,3]dioxol-5-ylmethylene)-amino]-1,5-dimethyl-2-phenyl-1,2-dihydro-pyrazol-3-one, C <sub>19</sub> H <sub>17</sub> N <sub>3</sub> O <sub>3</sub> . Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 1181-1183.	0.1	0