

# Faisal M Aqlan

## 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.

25  
papers

217  
citations

10  
h-index

14  
g-index

26  
ext. papers

276  
ext. citations

3.1  
avg, IF

3.13  
L-index

#	Paper	IF	Citations
25	Quorum Sensing and Biofilm Disrupting Potential of Imidazole Derivatives in Chromobacterium violaceum Using Antimicrobial and Drug Discovery Approaches.. <i>Brazilian Journal of Microbiology</i> , <b>2022</b> , 1	2.2	
24	Efficient electro-chemical sensor for sensitive Cd <sup>2+</sup> -detection based on novel in-situ synthesized hydrazonoyl bromide (HB). <i>Journal of Molecular Structure</i> , <b>2021</b> , 1231, 129690	3.4	5
23	Citral derivative activates cell cycle arrest and apoptosis signaling pathways in Candida albicans by generating oxidative stress. <i>Bioorganic Chemistry</i> , <b>2021</b> , 115, 105260	5.1	1
22	Azole Based Acetohydrazide Derivatives of Cinnamaldehyde Target and Kill by Causing Cellular Apoptosis. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 566-574	4.3	4
21	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> , <b>2020</b> , 156, 851-857	7.9	2
20	Chemical composition, oxidative stability, and sensory properties of Boerhavia elegana Choisy (alhydwan) seed oil/peanut oil blends. <i>Grasas Y Aceites</i> , <b>2020</b> , 71, 367	1.3	1
19	Effect of the addition of alhydwan flour on the physicochemical, functional properties and microstructure of wheat bread. <i>Journal of Food Measurement and Characterization</i> , <b>2020</b> , 14, 2907-2916	2.8	
18	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> , <b>2019</b> , 1190, 77-85	3.4	23
17	Catalytic Synthesis of 5-Substituted Tetrazoles: Unexpected Reactions and Products. <i>Journal of Heterocyclic Chemistry</i> , <b>2019</b> , 56, 1613-1621	1.9	2
16	Synthesis of novel pyrazole incorporating a coumarin moiety (PC) for selective and sensitive Co <sup>2+</sup> detection. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 12331-12339	3.6	12
15	Synthesis and synergistic studies of isatin based mixed ligand complexes as potential antifungal therapeutic agents. <i>Heliyon</i> , <b>2019</b> , 5, e02055	3.6	13
14	Fabrication of selective and sensitive Pb <sup>2+</sup> detection by 2,2'-(1,2-phenylenebis(azaneylylidene))bis(methaneylylidene)diphenol by electrochemical approach for environmental remediation. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 281, 401-406	6	15
13	Microwave-assisted Synthesis, Characterization, and Density Functional Theory Study of Biologically Active Ferrocenyl Bis-pyrazoline and Bis-pyrimidine as Organometallic Macromolecules. <i>Journal of Heterocyclic Chemistry</i> , <b>2019</b> , 56, 312-318	1.9	14
12	αAmylase immobilization on amidoximated acrylic microfibres activated by cyanuric chloride. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 172164	3.3	12
11	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> , <b>2018</b> , 202, 146-158	4.4	16
10	Solvent effects on antioxidant activities and phenolic contents of the alhydwan (Boerhavia elegana choisy) seed flour. <i>Journal of Food Measurement and Characterization</i> , <b>2018</b> , 12, 2121-2127	2.8	5
9	Effects of Nd-, Pr-, Tb- and Y-doping on the structural, textural, electrical and N <sub>2</sub> O decomposition activity of mesoporous NiO nanoparticles. <i>Applied Surface Science</i> , <b>2017</b> , 419, 399-408	6.7	25

8	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> , <b>2017</b> , 54, 3099-3107	1.9	10
7	Synergistic antifungal effect of cyclized chalcone derivatives and fluconazole against. <i>MedChemComm</i> , <b>2017</b> , 8, 2195-2207	5	22
6	Crystal structure of N <sup>2</sup> -[(E)-(2-hydroxynaphthalen-1-yl) methylidene] benzenesulfonohydrazide (HNMBSH) and its application as Pb <sup>2+</sup> ion sensor by its fabrication onto glassy carbon electrode. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 467, 297-306	2.7	23
5	In vitro Antiglycation, Antioxidant Properties of <i>Coleus forskohlii</i> TBaladyTLLeaves and Stem and their Antioxidant Enzyme Activities. <i>Annual Research &amp; Review in Biology</i> , <b>2017</b> , 19, 1-11	0.8	3
4	Synthesis, Spectroscopic Studies of Fluorinated Pyrimido-1,2,4-Triazines: Protective Effect Against Some Plant Pathogenic Fungi. <i>Journal of Heterocyclic Chemistry</i> , <b>2016</b> , 53, 1310-1317	1.9	7
3	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> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2016</b> , 231, 1181-1183	0.2	
2	Microwave Assisted Synthesis, Optical Properties and Physicochemical Investigations on the Powerful Fluorophore: Donor (D) -A Acceptor (A) Chalcone. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 2133-2140	2.4	2
1	Synthesis Characterization and In Vitro Antibacterial Activity of the N-Substituted Bis-Pyrazoline Derivative as Polycyclic Aromatic Compounds. <i>Polycyclic Aromatic Compounds</i> , 1-10	1.3	0