Mymoona Akhter

List of Publications by Citations

71 papers	1,913 citations	19 h-index	42 g-index
82 ext. papers	2,356 ext. citations	3.7 avg, IF	4.84 L-index

#	Paper	IF	Citations
71	Quinoline: A versatile heterocyclic. *Saudi Pharmaceutical Journal*, **2013**, 21, 1-12	4.4	248
70	The therapeutic voyage of pyrazole and its analogs: A review. *European Journal of Medicinal Chemistry*, **2016**, 120, 170-201	6.8	235
69	A review exploring biological activities of hydrazones. *Journal of Pharmacy and Bioallied Sciences*, **2014**, 6, 69-80	1.1	174
68	Therapeutic evolution of benzimidazole derivatives in the last quinquennial period. *European Journal of Medicinal Chemistry*, **2017**, 126, 705-753	6.8	119
67	Piperazine scaffold: A remarkable tool in generation of diverse pharmacological agents. *European Journal of Medicinal Chemistry*, **2015**, 102, 487-529	6.8	103
66	Pyrazolines: a biological review. *Mini-Reviews in Medicinal Chemistry*, **2013**, 13, 921-31	3.2	100
65	Aroylpropionic acid based 2,5-disubstituted-1,3,4-oxadiazoles: synthesis and their anti-inflammatory and analgesic activities. *European Journal of Medicinal Chemistry*, **2009**, 44, 2372-8	6.8	94
64	Green recipes to quinoline: A review. *European Journal of Medicinal Chemistry*, **2019**, 164, 121-170	6.8	85
63	Synthesis and evaluation of anticancer activity of some novel 6-aryl-2-(p-sulfamylphenyl)-pyridazin-3(2H)-ones. *European Journal of Medicinal Chemistry*, **2012**, 49, 304-9	6.8	57
62	The therapeutic journey of pyridazinone. *European Journal of Medicinal Chemistry*, **2016**, 123, 256-281	6.8	45
61	Revealing quinquennial anticancer journey of morpholine: A SAR based review. *European Journal of Medicinal Chemistry*, **2019**, 167, 324-356	6.8	44
60	Synthesis, pharmacological activity and hydrolytic behavior of glyceride prodrugs of ibuprofen. *European Journal of Medicinal Chemistry*, **2005**, 40, 371-6	6.8	39
59	Pyrazole-pyrazoline as promising novel antimalarial agents: A mechanistic study. *European Journal of Medicinal Chemistry*, **2018**, 149, 139-147	6.8	37
58	A Review Exploring Therapeutic Worth of 1,3,4-Oxadiazole Tailored Compounds. *Mini-Reviews in Medicinal Chemistry*, **2019**, 19, 477-509	3.2	32
57	Synthesis of pyrazole acrylic acid based oxadiazole and amide derivatives as antimalarial and anticancer agents. *Bioorganic Chemistry*, **2018**, 77, 106-124	5.1	26
56	Synthesis of 6-aminomethyl derivatives of benzopyran-4-one with dual biological properties: anti-inflammatory-analgesic and antimicrobial. *European Journal of Medicinal Chemistry*, **2009**, 44, 4896-903	6.8	22
55	Pharmacophore modeling, 3D-QSAR, docking study and ADME prediction of acyl 1,3,4-thiadiazole amides and sulfonamides as antitubulin agents. *Arabian Journal of Chemistry*, **2019**, 12, 5000-5018	5.9	22

54	4, 5-Dihydrooxazole-pyrazoline hybrids: Synthesis and their evaluation as potential antimalarial agents. *European Journal of Medicinal Chemistry*, **2016**, 123, 476-486	6.8	20
53	Unveiling novel diphenyl-1H-pyrazole based acrylates tethered to 1,2,3-triazole as promising apoptosis inducing cytotoxic and anti-inflammatory agents. *Bioorganic Chemistry*, **2019**, 87, 667-678	5.1	19
52	Hepatoprotective activity of Marrubium vulgare against paracetamol induced toxicity. *Journal of Pharmacy Research*, **2013**, 7, 565-570		19
51	Recent updates on biological activities of oxadiazoles. *Mini-Reviews in Medicinal Chemistry*, **2013**, 13, 1027-46	3.2	19
50	Pharmacophore modeling, 3D-QSAR, docking and ADME prediction of quinazoline based EGFR inhibitors. *Arabian Journal of Chemistry*, **2019**, 12, 4815-4839	5.9	19
49	Synthesis and biological evaluation of 2,5-disubstituted 1,3,4-oxadiazole derivatives with both COX and LOX inhibitory activity. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2011**, 26, 767-76	5.6	17
48	Synthesis of some new 3,4-dihydro-2H-1,3-benzoxazines under microwave irradiation in solvent-free conditions and their biological activity. *Medicinal Chemistry Research*, **2011**, 20, 1147-1153	2.2	17
47	Structure based virtual screening of MDPI database: discovery of structurally diverse and novel DPP-IV inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 3447-51	2.9	15
46	In silico approach for bioremediation of arsenic by structure prediction and docking studies of arsenite oxidase from Pseudomonas stutzeri TS44. *International Biodeterioration and Biodegradation*, **2017**, 122, 82-91	4.8	14
45	Novel pyrazole-pyrazoline hybrids endowed with thioamide as antimalarial agents: their synthesis and 3D-QSAR studies. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2015**, 30, 597-606	5.6	14
44	Synthesis of quinoline attached-furan-2(3H)-ones having anti-inflammatory and antibacterial properties with reduced gastro-intestinal toxicity and lipid peroxidation. *Journal of the Serbian Chemical Society*, **2011**, 76, 1617-1626	0.9	14
43	Synthesis of novel benzimidazole acrylonitriles for inhibition of Plasmodium falciparum growth by dual target inhibition. *Archiv Der Pharmazie*, **2018**, 351, 1700251	4.3	14
42	Novel hybrid-pyrrole derivatives: their synthesis, antitubercular evaluation and docking studies. *RSC Advances*, **2015**, 5, 12807-12820	3.7	13
41	Doxorubicin loaded carboxymethyl Assam bora rice starch coated superparamagnetic iron oxide nanoparticles as potential antitumor cargo. *Heliyon*, **2019**, 5, e01955	3.6	12
40	Structural comparison of Mtb-DHFR and h-DHFR for design, synthesis and evaluation of selective non-pteridine analogues as antitubercular agents. *Bioorganic Chemistry*, **2018**, 80, 319-333	5.1	12
39	Targeting malaria and leishmaniasis: Synthesis and pharmacological evaluation of novel pyrazole-1,3,4-oxadiazole hybrids. Part II. *Bioorganic Chemistry*, **2019**, 89, 102986	5.1	11
38	Synthesis and antimalarial activity of quinoline-substituted furanone derivatives and their identification as selective falcipain-2 inhibitors. *Medicinal Chemistry Research*, **2015**, 24, 879-890	2.2	11
37	Synthesis, 3D-QSAR and docking studies of pyrimidine nitrile-pyrazoline: a novel class of hybrid antimalarial agents. *Medicinal Chemistry Research*, **2015**, 24, 1018-1037	2.2	11

36	Synthesis of Hybrids of Dihydropyrimidine and Pyridazinone as potential Anti-Breast Cancer Agents. *Mini-Reviews in Medicinal Chemistry*, **2018**, 18, 369-379	3.2	11
35	Novel hydrazine derivatives as selective DPP-IV inhibitors: findings from virtual screening and validation through molecular dynamics simulations. *Journal of Molecular Modeling*, **2014**, 20, 2118	2	10
34	Design, synthesis and pharmacological evaluation of some novel derivatives of 1-{[3-(furan-2-yl)-5-phenyl-4,5-dihydro-1,2-oxazol-4-yl]methyl}-4-methyl piperazine. *Arabian Journal of Chemistry*, **2017**, 10, 141-149	5.9	10
33	3D-QSAR of amino-substituted pyrido[3,2B]pyrazinones as PDE-5 inhibitors. *Medicinal Chemistry Research*, **2012**, 21, 202-211	2.2	8
32	Synthesis, Antiinflammatory and Antimicrobial Activity of Some New 1-(3-Phenyl-3,4-Dihydro-2H-1,3-Benzoxazin-6-yl)-Ethanone Derivatives. *Indian Journal of Pharmaceutical Sciences*, **2011**, 73, 101-4	1.5	8
31	Design and synthesis of pyrazole-pyrazoline hybrids as cancer-associated selective COX-2 inhibitors. *Archiv Der Pharmazie*, **2021**, 354, e2000116	4.3	8
30	Synthesis, COX-2 inhibition and metabolic stability studies of 6-(4-fluorophenyl)-pyrimidine-5-carbonitrile derivatives as anticancer and anti-inflammatory agents. *Journal of Fluorine Chemistry*, **2020**, 236, 109579	2.1	7
29	Biochemical characterization of unusual cysteine protease of P. falciparum, metacaspase-2 (MCA-2). *Molecular and Biochemical Parasitology*, **2018**, 220, 28-41	1.9	7
28	3D-QSAR and molecular docking studies on 3-anilino-4-arylmaleimide derivatives as glycogen synthase kinase-3 inhibitors. *Chemical Biology and Drug Design*, **2012**, 79, 560-71	2.9	7
27	Molecular interactions of dioxins and DLCs with the xenosensors (PXR and CAR): An in silico risk assessment approach. *Journal of Molecular Recognition*, **2017**, 30, e2651	2.6	6
26	Pharmacophore based virtual screening, synthesis and SAR of novel inhibitors of Mycobacterium sulfotransferase. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 701-7	2.9	6
25	Molecular interactions of dioxins and DLCs with the ketosteroid receptors: an in silico risk assessment approach. *Toxicology Mechanisms and Methods*, **2017**, 27, 151-163	3.6	5
24	Synthesis and biological evaluation of benzimidazole pendant cyanopyrimidine derivatives as anticancer agents. *Journal of Heterocyclic Chemistry*, **2020**, 57, 3350	1.9	5
23	Benzimidazole based derivatives as anticancer agents: Structure activity relationship analysis for various targets. *Journal of Heterocyclic Chemistry*,	1.9	5
22	Dibenzepinones, dibenzoxepines and benzosuberones based p38 MAP kinase inhibitors: Their pharmacophore modelling, 3D-QSAR and docking studies. *Computers in Biology and Medicine*, **2019**, 110, 175-185	7	4
21	Expansion of a novel lead targeting M. tuberculosis DHFR as antitubercular agents. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 1421-1429	3.4	4
20	Methylene-bearing sulfur-containing cyanopyrimidine derivatives for treatment of cancer: Part-II. *Archiv Der Pharmazie*, **2020**, 353, e1900333	4.3	4
19	Molecular interactions of bisphenols and analogs with glucocorticoid biosynthetic pathway enzymes: an in silico approach. *Toxicology Mechanisms and Methods*, **2018**, 28, 45-54	3.6	4

18	Pharmacophore model generation and 3D-QSAR analysis of N-acyl and N-aroylpyrazolines for enzymatic and cellular B-Raf kinase inhibition. *Medicinal Chemistry Research*, **2013**, 22, 2174-2187	2.2	4
17	Malaria: hitches and hopes. *Mini-Reviews in Medicinal Chemistry*, **2014**, 14, 453-70	3.2	4
16	Identification of novel small molecule non-peptidomimetic inhibitor for prolyl oligopeptidase through and approaches. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 1292-1305	3.6	4
15	1, 2, 4-Oxadiazole Incorporated Ketoprofen Analogues in Search of Safer Non-steroidal Anti-inflammatory Agents: Design, Syntheses, Biological Evaluation and Molecular Docking Studies. *Letters in Drug Design and Discovery*, **2018**, 15, 590-601	0.8	3
14	Identification of novel selective Mtb-DHFR inhibitors as antitubercular agents through structure-based computational techniques. *Archiv Der Pharmazie*, **2020**, 353, e1900287	4.3	3
13	Synthesis, ADMET prediction and reverse screening study of 3,4,5-trimethoxy phenyl ring pendant sulfur-containing cyanopyrimidine derivatives as promising apoptosis inducing anticancer agents. *Bioorganic Chemistry*, **2020**, 104, 104282	5.1	3
12	Identification of novel Mycobacterium tuberculosis dihydrofolate reductase inhibitors through rational drug design. *International Journal of Mycobacteriology*, **2016**, 5 Suppl 1, S96	0.9	3
11	strategies for probing novel DPP-IV inhibitors as anti-diabetic agents. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 2118-2132	3.6	3
10	NEW AMIDES OF SULPHONAMIDES: SYNTHESIS AND BIOLOGICAL EVALUATION. *Journal of the Chilean Chemical Society*, **2010**, 55,	2.5	2
9	Mining of potential dipeptidyl peptidase-IV inhibitors as anti-diabetic agents using integrated approaches. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 5349-5361	3.6	2
8	Anti-proliferative and anti-malarial activities of spiroisoxazoline analogues of artemisinin. *Archiv Der Pharmazie*, **2018**, 352, e1800192	4.3	2
7	Synthesis and anticonvulsant activity of some newer dihydro-pyrimidine-5-carbonitrile derivatives: Part II. *Journal of Taibah University Medical Sciences*, **2015**, 10, 437-443	1.7	1
6	3D quantitative structure–activity relationship for quinoline, benzimidazole and benzofuran-based analogs as phosphodiesterases IV (PDE-IV) inhibitors. *Medicinal Chemistry Research*, **2013**, 22, 5153-5166	2.2	1
5	3D QSAR Based Virtual Screening of Pyrido[1,2-a] Benzimidazoles as Potent Antimalarial Agents. *Letters in Drug Design and Discovery*, **2019**, 16, 301-312	0.8	1
4	Ameliorative effect of rubiadin-loaded nanocarriers in STZ-NA-induced diabetic nephropathy in rats: formulation optimization, molecular docking, and in vivo biological evaluation. *Drug Delivery and Translational Research*, **2021**, 1	6.2	1
3	A review on synthetic procedures and applications of phosphorus oxychloride (POCl3) in the last biennial period (2018–19). *Phosphorus, Sulfur and Silicon and the Related Elements*, **2021**, 196, 211-274	1	1
2	Synthesis, biological evaluation and docking studies of methylene bearing cyanopyrimidine derivatives possessing a hydrazone moiety as potent Lysine specific demethylase-1 (LSD1) inhibitors: A promising anticancer agents. *Bioorganic Chemistry*, **2022**, 126, 105885	5.1	1
1	Identification, analysis of deleterious SNPs of the human GSR gene and their effects on the structure and functions of associated proteins and other diseases.. *Scientific Reports*, **2022**, 12, 5474	4.9	0