Mymoona Akhter

List of Publications by Year
in descending order

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77 papers	2,849 citations	279487 23 h-index	182168 51 g-index
82 all docs	82 docs citations	82 times ranked	4363 citing authors

#	Article	IF	Citations
1	Quinoline: A versatile heterocyclic. Saudi Pharmaceutical Journal, 2013, 21, 1-12.	1.2	330
2	The therapeutic voyage of pyrazole and its analogs: A review. European Journal of Medicinal Chemistry, 2016, 120, 170-201.	2.6	323
3	A review exploring biological activities of hydrazones. Journal of Pharmacy and Bioallied Sciences, 2014, 6, 69.	0.2	268
4	Therapeutic evolution of benzimidazole derivatives in the last quinquennial period. European Journal of Medicinal Chemistry, 2017, 126, 705-753.	2.6	163
5	Piperazine scaffold: A remarkable tool in generation of diverse pharmacological agents. European Journal of Medicinal Chemistry, 2015, 102, 487-529.	2.6	156
6	Green recipes to quinoline: A review. European Journal of Medicinal Chemistry, 2019, 164, 121-170.	2.6	143
7	Pyrazolines: A Biological Review. Mini-Reviews in Medicinal Chemistry, 2013, 13, 921-931.	1.1	123
8	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, 2372-2378.	2.6	116
9	Revealing quinquennial anticancer journey of morpholine: A SAR based review. European Journal of Medicinal Chemistry, 2019, 167, 324-356.	2.6	76
10	The therapeutic journey of pyridazinone. European Journal of Medicinal Chemistry, 2016, 123, 256-281.	2.6	67
11	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, 304-309.	2.6	65
12	Pyrazole-pyrazoline as promising novel antimalarial agents: A mechanistic study. European Journal of Medicinal Chemistry, 2018, 149, 139-147.	2.6	65
13	A Review Exploring Therapeutic Worth of 1,3,4-Oxadiazole Tailored Compounds. Mini-Reviews in Medicinal Chemistry, 2019, 19, 477-509.	1.1	58
14	Synthesis of pyrazole acrylic acid based oxadiazole and amide derivatives as antimalarial and anticancer agents. Bioorganic Chemistry, 2018, 77, 106-124.	2.0	50
15	Synthesis, pharmacological activity and hydrolytic behavior of glyceride prodrugs of ibuprofen. European Journal of Medicinal Chemistry, 2005, 40, 371-376.	2.6	45
16	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.	2.3	41
17	Benzimidazole based derivatives as anticancer agents: Structure activity relationship analysis for various targets. Journal of Heterocyclic Chemistry, 2022, 59, 22-66.	1.4	35
18	4, 5-Dihydrooxazole-pyrazoline hybrids: Synthesis and their evaluation as potential antimalarial agents. European Journal of Medicinal Chemistry, 2016, 123, 476-486.	2.6	34

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19	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.	2.0	31
20	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, 4896-4903.	2.6	26
21	Hepatoprotective activity of Marrubium vulgare against paracetamol induced toxicity. Journal of Pharmacy Research, 2013, 7, 565-570.	0.4	26
22	Pharmacophore modeling, 3D-QSAR, docking and ADME prediction of quinazoline based EGFR inhibitors. Arabian Journal of Chemistry, 2019, 12, 4815-4839.	2.3	26
23	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.	1.9	25
24	Synthesis of novel benzimidazole acrylonitriles for inhibition of Plasmodium falciparum growth by dual target inhibition. Archiv Der Pharmazie, 2018, 351, 1700251.	2.1	25
25	Recent Updates on Biological Activities of Oxadiazoles. Mini-Reviews in Medicinal Chemistry, 2013, 13, 1027-1046.	1.1	25
26	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, 767-776.	2.5	21
27	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.	1.1	21
28	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.	2.0	21
29	Design and synthesis of pyrazoleâ€“pyrazoline hybrids as cancerâ€associated selective COXâ€2 inhibitors. Archiv Der Pharmazie, 2021, 354, e2000116.	2.1	21
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.	0.9	20
31	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.	0.4	19
32	Novel pyrazoleâ€“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.	2.5	19
33	Structure based virtual screening of MDPI database: Discovery of structurally diverse and novel DPP-IV inhibitors. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3447-3451.	1.0	18
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.	2.3	17
35	Doxorubicin loaded carboxymethyl Assam bora rice starch coated superparamagnetic iron oxide nanoparticles as potential antitumor cargo. Heliyon, 2019, 5, e01955.	1.4	17
36	Targeting malaria and leishmaniasis: Synthesis and pharmacological evaluation of novel pyrazole-1,3,4-oxadiazole hybrids. Part II. Bioorganic Chemistry, 2019, 89, 102986.	2.0	17

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37	Synthesis of Hybrids of Dihydropyrimidine and Pyridazinone as potential Anti-Breast Cancer Agents. Mini-Reviews in Medicinal Chemistry, 2018, 18, 369-379.	1.1	17
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.	1.1	16
39	Synthesis, 3D-QSAR and docking studies of pyrimidine nitrile-pyrazoline: a novel class of hybrid antimalarial agents. Medicinal Chemistry Research, 2015, 24, 1018-1037.	1.1	16
40	Novel hybrid-pyrrole derivatives: their synthesis, antitubercular evaluation and docking studies. RSC Advances, 2015, 5, 12807-12820.	1.7	15
41	Biochemical characterization of unusual cysteine protease of P. falciparum , metacaspase-2 (MCA-2). Molecular and Biochemical Parasitology, 2018, 220, 28-41.	0.5	14
42	Expansion of a novel lead targeting M. tuberculosis DHFR as antitubercular agents. Bioorganic and Medicinal Chemistry, 2019, 27, 1421-1429.	1.4	13
43	Synthesis and biological evaluation of benzimidazole pendant cyanopyrimidine derivatives as anticancer agents. Journal of Heterocyclic Chemistry, 2020, 57, 3350-3360.	1.4	13
44	Methyleneâ€bearing sulfurâ€containing cyanopyrimidine derivatives for treatment of cancer: Partâ€II. Archiv Der Pharmazie, 2020, 353, e1900333.	2.1	13
45	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.	1.0	13
46	3Dâ€QSAR and Molecular Docking Studies on 3â€Anilinoâ€4â€Arylmaleimide Derivatives as Glycogen Synthase Kinaseâ€3Î² Inhibitors. Chemical Biology and Drug Design, 2012, 79, 560-571.	1.5	12
47	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.	0.8	11
48	Synthesis, ADMET prediction and reverse screening study of 3,4,5-trimethoxy phenyl ring pendant sulfurâ€containing cyanopyrimidine derivatives as promising apoptosis inducing anticancer agents. Bioorganic Chemistry, 2020, 104, 104282.	2.0	10
49	Molecular interactions of bisphenols and analogs with glucocorticoid biosynthetic pathway enzymes: an in silico approach. Toxicology Mechanisms and Methods, 2018, 28, 45-54.	1.3	9
50	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, 2022, 12, 615-628.	3.0	9
51	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.	2.0	9
52	3D-QSAR of amino-substituted pyrido[3,2B]pyrazinones as PDE-5 inhibitors. Medicinal Chemistry Research, 2012, 21, 202-211.	1.1	8
53	Pharmacophore based virtual screening, synthesis and SAR of novel inhibitors of Mycobacterium sulfotransferase. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 701-707.	1.0	8
54	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.	1.1	8

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55	Dibenzepinones, dibenzoxepines and benzosuberones based p38Î± MAP kinase inhibitors: Their pharmacophore modelling, 3D-QSAR and docking studies. Computers in Biology and Medicine, 2019, 110, 175-185.	3.9	8
56	Identification of novel selective Mtbâ€DHFR inhibitors as antitubercular agents through structureâ€based computational techniques. Archiv Der Pharmazie, 2020, 353, e1900287.	2.1	7
57	In silico strategies for probing novel DPP-IV inhibitors as anti-diabetic agents. Journal of Biomolecular Structure and Dynamics, 2021, 39, 2118-2132.	2.0	7
58	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.	1.1	6
59	Molecular interactions of dioxins and DLCs with the ketosteroid receptors: an in silico risk assessment approach. Toxicology Mechanisms and Methods, 2017, 27, 151-163.	1.3	6
60	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.	1.6	5
61	NEW AMIDES OF SULPHONAMIDES: SYNTHESIS AND BIOLOGICAL EVALUATION. Journal of the Chilean Chemical Society, 2010, 55, .	0.5	4
62	Synthesis and anticonvulsant activity of some newer dihydro-pyrimidine-5-carbonitrile derivatives: Part II. Journal of Taibah University Medical Sciences, 2015, 10, 437-443.	0.5	4
63	Anti-proliferative and anti-malarial activities of spiroisoxazoline analogues of artemisinin. Archiv Der Pharmazie, 2018, 352, 1800192.	2.1	4
64	Identification of novel small molecule non-peptidomimetic inhibitor for prolyl oligopeptidase through in silico and in vitro approaches. Journal of Biomolecular Structure and Dynamics, 2020, 38, 1292-1305.	2.0	4
65	Malaria: Hitches and Hopes. Mini-Reviews in Medicinal Chemistry, 2014, 14, 453-470.	1.1	4
66	Identification of novel Mycobacterium tuberculosis dihydrofolate reductase inhibitors through rational drug design. International Journal of Mycobacteriology, 2016, 5, S96.	0.3	3
67	Mining of potential dipeptidyl peptidase-IV inhibitors as anti-diabetic agents using integrated in silico approaches. Journal of Biomolecular Structure and Dynamics, 2020, 38, 5349-5361.	2.0	3
68	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.	0.4	3
69	Heterocyclic Moieties as HDAC Inhibitors: Role in Cancer Therapeutics. Mini-Reviews in Medicinal Chemistry, 2022, 22, 1648-1706.	1.1	3
70	3D quantitative structureâ€“activity relationship for quinoline, benzimidazole and benzofuran-based analogs as phosphodiesterases IV (PDE-IV) inhibitors. Medicinal Chemistry Research, 2013, 22, 5153-5166.	1.1	2
71	A review on synthetic procedures and applications of phosphorus oxychloride (POCl₃) in the last biennial period (2018â€“19). Phosphorus, Sulfur and Silicon and the Related Elements, 2021, 196, 211-274.	0.8	2
72	Synthesis, ADMET and reverse screening of 6â€(3,4,5â€trimethoxyphenyl)pyrimidineâ€5â€carbonitrile derivatives as anticancer agents: Partâ€II. Journal of Heterocyclic Chemistry, 0, , .	1.4	2

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73	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.	0.4	1
74	Structure Assessment Analysis of Core Domain of Seven Protein Data Bank Entries of HIV-1 Protease Using Different in-silico Techniques. Current Enzyme Inhibition, 2015, 10, 98-104.	0.3	1
75	Microwave Assisted Synthesis and Antimalarial Activity of CoumarinPyrazoline Hybrids. Journal of Pharmaceutical and Medicinal Chemistry, 2016, 2, 137-140.	0.0	1
76	Similarity Analysis studies on (Sulfonyl) Benzene Derivatives as Anti HIV Agents. International Journal of Pharmaceutical Chemistry and Analysis, 2016, 3, 174.	0.1	0
77	Oxazolones: A Review of Its Synthesis. Journal of Pharmaceutical and Medicinal Chemistry, 2016, 2, 109-113.	0.0	0