

Mashooq Ahmad Bhat

List of Publications by Year in descending order

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87
papers

1,514
citations

361413

20
h-index

377865

34
g-index

89
all docs

89
docs citations

89
times ranked

1829
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of benzothiazole semicarbazones as novel anticonvulsantsâ€”The role of hydrophobic domain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 4178-4182.	2.2	126
2	Synthesis and anticonvulsant activity of sulfonamide derivatives-hydrophobic domain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 255-259.	2.2	122
3	N-[[6-Substituted-1,3-benzothiazole-2-yl)amino]carbonothioyl]-2/4-substituted benzamides: Synthesis and pharmacological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1114-1122.	5.5	96
4	Study of the Interactions of Bovine Serum Albumin with the New Anti-Inflammatory Agent 4-(1,3-Dioxo-1,3-dihydro-2H-isoindol-2-yl)-Nâ€²-[(4-ethoxy-phenyl)methylidene]benzohydrazide Using a Multi-Spectroscopic Approach and Molecular Docking. <i>Molecules</i> , 2017, 22, 1258.	3.8	49
5	A potential anticancer dihydropyrimidine derivative and its protein binding mechanism by multispectroscopic, molecular docking and molecular dynamic simulation along with its in-silico toxicity and metabolic profile. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 158, 105686.	4.0	47
6	Molecular docking and experimental investigation of new indole derivative cyclooxygenase inhibitor to probe its binding mechanism with bovine serum albumin. <i>Bioorganic Chemistry</i> , 2019, 89, 103010.	4.1	45
7	Synthesis of novel 3-(4-acetyl-5H/methyl-5-substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (phenyl-4,5-dihydro-1,3,4-oxadiazol-2-yl) derivatives. <i>Poloniae Pharmaceutica</i> , 2008, 65, 235-9.	0.1	45
8	Evaluation of Biophysical Interaction between Newly Synthesized Pyrazoline Pyridazine Derivative and Bovine Serum Albumin by Spectroscopic and Molecular Docking Studies. <i>Journal of Spectroscopy</i> , 2019, 2019, 1-12.	1.3	41
9	Steroidal pyrazolines evaluated as aromatase and quinone reductase-2 inhibitors for chemoprevention of cancer. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 1127-1132.	7.5	38
10	Fabrication of microfluidic device for Aflatoxin M1 detection in milk samples with specific aptamers. <i>Scientific Reports</i> , 2020, 10, 4627.	3.3	37
11	Solubility and thermodynamic parameters of a novel anti-cancer drug (DHP-5) in polyethylene glycol 400 + water mixtures. <i>Journal of Molecular Liquids</i> , 2017, 229, 241-245.	4.9	36
12	Synthesis of novel thioureido derivatives of sulfonamides and thiosemicarbazido derivatives of coumarin as potential anticonvulsant and analgesic agents. <i>Indian Journal of Pharmaceutical Sciences</i> , 2006, 68, 120.	1.0	36
13	Pomegranate peel induced biogenic synthesis of silver nanoparticles and their multifaceted potential against intracellular pathogen and cancer. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4191-4200.	3.8	31
14	Indole Derivatives as Cyclooxygenase Inhibitors: Synthesis, Biological Evaluation and Docking Studies. <i>Molecules</i> , 2018, 23, 1250.	3.8	30
15	Carvone Schiff base of isoniazid as a novel antitumor agent: Nanoemulsion development and pharmacokinetic evaluation. <i>Journal of Molecular Liquids</i> , 2015, 203, 111-119.	4.9	25
16	Design and Synthesis of N-Arylphthalimides as Inhibitors of Glucocorticoid-Induced TNF Receptor-Related Protein, Proinflammatory Mediators, and Cytokines in Carrageenan-Induced Lung Inflammation. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8850-8867.	6.4	25
17	Targeting Cancer Stem Cells with Novel 4-(4-Substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (phenyl)-5-(3,4,5-trimethylphenyl) derivatives. <i>Molecules</i> , 2016, 21, 1746.	3.8	25
18	Synthesis, characterization, and in vitro anti-Mycobacterium tuberculosis activity of terpene Schiff bases. <i>Medicinal Chemistry Research</i> , 2013, 22, 4522-4528.	2.4	24

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19	Synthesis, anti-inflammatory and neuroprotective activity of pyrazole and pyrazolo[3,4-d]pyridazine bearing 3,4,5-trimethoxyphenyl. <i>Medicinal Chemistry Research</i> , 2017, 26, 1557-1566.	2.4	24
20	Solubility of <i>N</i> -(4-Chlorophenyl)-2-(pyridin-4-ylcarbonyl)hydrazinecarbothioamide (Isoniazid) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> <i>Engineering Data</i> , 2014, 59, 1727-1732.	1.9	23
21	Synthesis, characterization, molecular modeling against EGFR target and ADME/T analysis of novel purine derivatives of sulfonamides. <i>Journal of Molecular Structure</i> , 2022, 1257, 132600.	3.6	21
22	Antimicrobial activity of Schiff bases of coumarin-incorporated 1,3,4-oxadiazole derivatives: an in vitro evaluation. <i>Medicinal Chemistry Research</i> , 2013, 22, 4455-4458.	2.4	20
23	Targeted nano-delivery of novel omega-3 conjugate against hepatocellular carcinoma: Regulating COX-2/bcl-2 expression in an animal model. <i>Biomedicine and Pharmacotherapy</i> , 2016, 81, 394-401.	5.6	20
24	Synthesis and <i>in vivo</i> anti-ulcer evaluation of some novel piperidine linked dihydropyrimidinone derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 978-988.	5.2	20
25	Biological Evaluation and Molecular Docking with In Silico Physicochemical, Pharmacokinetic and Toxicity Prediction of Pyrazolo[1,5-a]pyrimidines. <i>Molecules</i> , 2020, 25, 1431.	3.8	20
26	Synthesis and anti-Candidal activity of <i>N</i> -(4-aryl/cyclohexyl)-2-(pyridine-4-yl carbonyl) hydrazinecarbothioamide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1299-1302.	2.2	19
27	Solubility and thermodynamics of 4-(4-ethoxyphenyl)-5-(3,4,5-trimethoxybenzoyl)-3,4-dihydropyrimidin-2(1H)-one in various pure solvents at different temperatures. <i>Journal of Molecular Liquids</i> , 2016, 224, 624-628.	4.9	19
28	A One-Pot Biginelli Synthesis and Characterization of Novel Dihydropyrimidinone Derivatives Containing Piperazine/Morpholine Moiety. <i>Molecules</i> , 2018, 23, 1559.	3.8	17
29	Molecular docking, pharmacokinetic studies, and <i>in vivo</i> pharmacological study of indole derivative 2-(5-methoxy-2-methyl-1H-indole-3-yl)- <i>N</i> -(<i>E</i>)-(3-nitrophenyl) methylidene] acetohydrazide as a promising chemoprotective agent against cisplatin induced organ damage. <i>Scientific Reports</i> , 2021, 11, 6245.	3.3	17
30	Synthesis and anti-mycobacterial activity of new 4-thiazolidinone and 1,3,4-oxadiazole derivatives of isoniazid. <i>Acta Poloniae Pharmaceutica</i> , 2014, 71, 763-70.	0.1	17
31	Synthesis, characterization and <i>in vivo</i> anticonvulsant and neurotoxicity screening of Schiff bases of phthalimide. <i>Acta Poloniae Pharmaceutica</i> , 2011, 68, 375-80.	0.1	16
32	Solubility of <i>N</i> -(4-Chlorophenyl)-2-(pyridin-4-ylcarbonyl)hydrazinecarbothioamide (Isoniazid) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> 2014, 59, 2660-2664.	1.9	15
33	Synthesis and antitumor activity of 4-cyclohexyl/aryl-5-(pyridin-4-yl)-2,4-dihydro-3H-1,2,4-triazole-3-thiones. <i>Medicinal Chemistry Research</i> , 2015, 24, 1558-1567.	2.4	15
34	Synthesis, characterization, x-ray structure and antimicrobial activity of <i>N</i> -(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl) hydrazinecarbothioamide. <i>Tropical Journal of Pharmaceutical Research</i> , 2016, 15, 1751.	0.3	15
35	Novel sulindac derivatives: synthesis, characterisation, evaluation of antioxidant, analgesic, anti-inflammatory, ulcerogenic and COX-2 inhibition activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 921-934.	5.2	15
36	Solubility and dissolution thermodynamics of (2 <i>Z</i>)- <i>N</i> -cyclohexyl-2-(3-hydroxybenzylidene) hydrazine carbothioamide in 2-(2-ethoxyethoxy)ethanol+water mixtures at (298.15 to 338.15) K. <i>Journal of Molecular Liquids</i> , 2014, 197, 381-385.	4.9	13

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37	Targeting HER-2 over expressed breast cancer cells with 2-cyclohexyl-N-[(Z)-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Chemistry Letters, 2015, 25, 83-87.	2.2	13
38	Synthesis of Novel Sulfamethaoxazole 4-Thiazolidinone Hybrids and Their Biological Evaluation. Molecules, 2020, 25, 3570.	3.8	13
39	Microwave-Assisted Synthesis and Antimicrobial Activity of Some Novel Isatin Schiff Bases Linked to Nicotinic Acid via Certain Amino Acid Bridge. Journal of Chemistry, 2015, 2015, 1-8.	1.9	12
40	<p>Synthesis and antihepatotoxic activity of dihydropyrimidinone derivatives linked with 1,4-benzodioxane</p>. Drug Design, Development and Therapy, 2019, Volume 13, 2393-2404.	4.3	12
41	Synthesis, thermogravimetric, and spectroscopic characterizations of three palladium metal(II) ofloxacin drug and amino acids mixed ligand complexes as advanced antimicrobial materials. Journal of Molecular Structure, 2021, 1225, 129102.	3.6	12
42	ChCl: Gly (DESS) Promote Environmentally Benign Synthesis of Xanthene Derivatives and Their Antitubercular Activity. Molecules, 2021, 26, 3667.	3.8	12
43	Solubility of (2<i>Z</i>)-<i>N</i>-Cyclohexyl-2-(3-hydroxybenzylidene) Hydrazine Carbothioamide in Different Pure Solvents at (298.15 to 338.15) K. Journal of Chemical & Engineering Data, 2014, 59, 2126-2130.	1.9	11
44	Solubility of N-(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl)hydrazinecarbothioamide in PEG 400 + water co-solvent mixtures at 298.15 K to 338.15 K. Thermochemica Acta, 2014, 589, 235-240.	2.7	11
45	NÎ±-1, 3-Benzenedicarbonyl-Bis-(Amino Acid) and Dipeptide Candidates: Synthesis, Cytotoxic, Antimicrobial and Molecular Docking Investigation. Drug Design, Development and Therapy, 2021, Volume 15, 1315-1332.	4.3	11
46	Unexpected Configuration in Stereoselectively Synthesis of Some Novel (1Z)-1-(morpholin-1-yl)-N2-Arylamidrazones. Letters in Organic Chemistry, 2012, 9, 487-492.	0.5	10
47	Potential cytotoxicity of silver nanoparticles: Stimulation of autophagy and mitochondrial dysfunction in cardiac cells. Saudi Journal of Biological Sciences, 2021, 28, 2762-2771.	3.8	10
48	Synthesis and <i>In Vivo</i> Anticonvulsant Screening of Coumarin Incorporated Schiff Bases of 1,3,4-oxadiazoles. Journal of the Chinese Chemical Society, 2008, 55, 1326-1331.	1.4	9
49	Solubility and dissolution thermodynamics of N-(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl)hydrazinecarbothioamide in PG+water co-solvent mixtures at (298.15 to 338.15)K. Thermochemica Acta, 2014, 593, 37-42.	2.7	9
50	Development and validation of UHPLCâ€MS/MS assay for rapid determination of a carvone Schiff base of isoniazid (CSBâ€NH) in rat plasma: application to pharmacokinetic study. Biomedical Chromatography, 2015, 29, 876-882.	1.7	8
51	Preclinical pharmacokinetics, tissue distribution and excretion studies of a novel anti-candidal agent-thiosemicarbazide derivative of isoniazid (TSC-INH) by validated UPLCâ€MS/MS assay. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 109-117.	2.8	8
52	A Novel Oxidovanadium (IV)-Orotate Complex as an Alternative Antidiabetic Agent: Synthesis, Characterization, and Biological Assessments. BioMed Research International, 2018, 2018, 1-11.	1.9	8
53	Synthesis, Characterization, and Anti-diabetic Activity of Some Novel Vanadium-Folate-Amino Acid Materials. Biomolecules, 2020, 10, 781.	4.0	8
54	Lead Optimization of 2-Cyclohexyl-N-[(Z)-(3-methoxyphenyl/3-hydroxyphenyl) methylidene]hydrazinecarbothioamides for Targeting the HER-2 Overexpressed Breast Cancer Cell Line SKBr-3. Molecules, 2015, 20, 18246-18263.	3.8	7

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55	<p>Synthesis of a vanadyl (IV) folate complex for the treatment of diabetes: spectroscopic, structural, and biological characterization</p>. Drug Design, Development and Therapy, 2019, Volume 13, 1409-1420.	4.3	7
56	Enaminone-Derived Pyrazoles with Antimicrobial Activity. Journal of Chemistry, 2019, 2019, 1-10.	1.9	7
57	[Et3NH][HSO4]-mediated efficient synthesis of novel xantheno derivatives and their biological evaluation. Journal of Saudi Chemical Society, 2020, 24, 425-433.	5.2	7
58	Synthesis of New [1,2,4]Triazolo[3,4- <i>b</i>][1,3,4]thiadiazines and Study of Their Anti-Candidal and Cytotoxic Activities. Journal of Chemistry, 2014, 2014, 1-7.	1.9	6
59	Synthesis of Novel Diclofenac Hydrazones: Molecular Docking, Anti-Inflammatory, Analgesic, and Ulcerogenic Activity. Journal of Chemistry, 2020, 2020, 1-12.	1.9	6
60	Preferential solvation of 4-(4-ethoxyphenyl)-5-(3,4,5-trimethoxybenzoyl)-3,4-dihydropyrimidin-2(1 <i>H</i>)-one in {PEG 400 (1) + water (2)} mixtures. Physics and Chemistry of Liquids, 2021, 59, 423-430.	1.2	6
61	Synthesis of triazolothiazolidinone derivatives of coumarin with antimicrobial activity. Acta Poloniae Pharmaceutica, 2009, 66, 625-32.	0.1	6
62	Coumarin incorporated triazoles: a new class of anticonvulsants. Acta Poloniae Pharmaceutica, 2011, 68, 889-95.	0.1	6
63	Determination of anticancer potential of a novel pharmacologically active thiosemicarbazone derivative against colorectal cancer cell lines. Saudi Pharmaceutical Journal, 2022, 30, 815-824.	2.7	6
64	Microwave-Assisted Synthesis and Characterization of Certain Oximes, Hydrazones, and Olefins Derived from α -Keto Sulfones. Journal of Chemistry, 2014, 2014, 1-6.	1.9	5
65	Synthesis and Characterization of Novel Biginelli Dihydropyrimidinone Derivatives Containing Imidazole Moiety. Journal of Chemistry, 2019, 2019, 1-7.	1.9	5
66	Biginelli Synthesis of Novel Dihydropyrimidinone Derivatives Containing Phthalimide Moiety. Journal of Chemistry, 2020, 2020, 1-5.	1.9	5
67	Facile synthesis and anticancer activity of novel dihydropyrimidinone derivatives. Polish Journal of Chemical Technology, 2022, 24, 23-28.	0.5	5
68	(E)-2-(2,3-Dimethylanilino)-N ² -[2-methyl-5-(prop-1-en-2-yl)cyclohex-2-enylidene]benzohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1135-o1135.	0.2	4
69	(<i>E</i>)- <i>N</i> -(4-Isopropylbenzylidene)isonicotinohydrazide monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1002-o1002.	0.2	4
70	Synthesis and Biological Evaluations of a Novel Oxidovanadium(IV) Adenosine Monophosphate Complex as Anti-Diabetic Agent. Crystals, 2019, 9, 208.	2.2	4
71	Design and Synthesis of Novel Thiosemicarbazones as Potent Anti-breast Cancer Agents. Letters in Drug Design and Discovery, 2019, 16, 446-452.	0.7	4
72	Synthesis, characterization and antidiabetic effects of vanadyl(II) adenosine monophosphate amino acid mixed-ligand complexes. Future Medicinal Chemistry, 2019, 11, 193-210.	2.3	4

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73	Synthesis, Spectroscopic, and Antimicrobial Study of Binary and Ternary Ruthenium(III) Complexes of Ofloxacin Drug and Amino Acids as Secondary Ligands. <i>Crystals</i> , 2020, 10, 225.	2.2	4
74	(Z)-7-[2-(4-Bromophenyl)hydrazin-1-ylidene]-6-methyl-3-(pyridin-4-yl)-7H-1,2,4-triazolo[3,4-b][1,3,4]thiadiazine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1512-o1513.	0.2	3

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