

Abdul Hameed

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89
papers

1,870
citations

21
h-index

41
g-index

93
ext. papers

2,252
ext. citations

4.2
avg, IF

4.86
L-index

#	Paper	IF	Citations
89	Surface phases and photocatalytic activity correlation of Bi ₂ O ₃ /Bi ₂ O _{4-x} nanocomposite. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9658-9	16.4	298
88	Synthesis, characterization and photocatalytic performance of transition metal tungstates. <i>Chemical Physics Letters</i> , 2010 , 498, 113-119	2.5	149
87	Schiff bases in medicinal chemistry: a patent review (2010-2015). <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 63-79	6.8	112
86	Sunlight induced formation of surface Bi ₂ O ₄ /Bi ₂ O ₃ nanocomposite during the photocatalytic mineralization of 2-chloro and 2-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 444-451	21.8	94
85	Quinazoline and quinazolinone as important medicinal scaffolds: a comparative patent review (2011-2016). <i>Expert Opinion on Therapeutic Patents</i> , 2018 , 28, 281-297	6.8	90
84	Synthesis, characterization and photocatalytic activity of NiO/Bi ₂ O ₃ nanocomposites. <i>Chemical Physics Letters</i> , 2009 , 472, 212-216	2.5	88
83	Photocatalytic activity of zinc modified Bi ₂ O ₃ . <i>Chemical Physics Letters</i> , 2009 , 483, 254-261	2.5	85
82	Photocatalytic decolourization of dyes on NiO-ZnO nano-composites. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 677-82	4.2	80
81	Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. <i>Bioorganic Chemistry</i> , 2015 , 61, 51-7	5.1	47
80	Coumarin-thiazole and -oxadiazole derivatives: Synthesis, bioactivity and docking studies for aldose/aldehyde reductase inhibitors. <i>Bioorganic Chemistry</i> , 2016 , 68, 177-86	5.1	39
79	Synthesis, in vitro α-glucosidase inhibitory activity and molecular docking studies of new thiazole derivatives. <i>Bioorganic Chemistry</i> , 2016 , 68, 245-58	5.1	30
78	Synthesis and characterisation of calix[4]arene based bis(triazole)-bis(hexahydroquinoline): Probing highly selective fluorescence quenching towards mercury (Hg) analyte. <i>Journal of Hazardous Materials</i> , 2018 , 347, 349-358	12.8	27
77	Novel structural hybrids of pyrazolobenzothiazines with benzimidazoles as cholinesterase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014 , 78, 106-17	6.8	27
76	Sulfonamides containing curcumin scaffold: Synthesis, characterization, carbonic anhydrase inhibition and molecular docking studies. <i>Bioorganic Chemistry</i> , 2018 , 76, 218-227	5.1	27
75	The suitability of Ce ³⁺ -modified ZnO photocatalyst for the mineralization of monochlorophenol isomers in sunlight exposure. <i>RSC Advances</i> , 2014 , 4, 49347-49359	3.7	25
74	Toxic and heavy metals contamination assessment in soil and water to evaluate human health risk. <i>Scientific Reports</i> , 2021 , 11, 17006	4.9	25
73	Screening of curcumin-derived isoxazole, pyrazoles, and pyrimidines for their anti-inflammatory, antinociceptive, and cyclooxygenase-2 inhibition. <i>Chemical Biology and Drug Design</i> , 2018 , 91, 338-343	2.9	24

72	Coumarin-based thiosemicarbazones as potent urease inhibitors: synthesis, solid state self-assembly and molecular docking. <i>RSC Advances</i> , 2016 , 6, 63886-63894	3.7	23
71	Benzoxazinone-thiosemicarbazones as antidiabetic leads via aldose reductase inhibition: Synthesis, biological screening and molecular docking study. <i>Bioorganic Chemistry</i> , 2019 , 87, 857-866	5.1	23
70	The immunomodulation potential of the synthetic derivatives of benzothiazoles: Implications in immune system disorders through in vitro and in silico studies. <i>Bioorganic Chemistry</i> , 2016 , 64, 21-8	5.1	22
69	Novel acridine-based thiosemicarbazones as 'turn-on' chemosensors for selective recognition of fluoride anion: a spectroscopic and theoretical study. <i>Royal Society Open Science</i> , 2018 , 5, 180646	3.3	22
68	Coumarin sulfonates: New alkaline phosphatase inhibitors; in vitro and in silico studies. <i>European Journal of Medicinal Chemistry</i> , 2017 , 131, 29-47	6.8	21
67	Synthesis, structure-activity relationship and molecular docking of 3-oxoaurones and 3-thioaurones as acetylcholinesterase and butyrylcholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 100-106	3.4	20
66	Azomethines, isoxazole, N-substituted pyrazoles and pyrimidine containing curcumin derivatives: Urease inhibition and molecular modeling studies. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 490, 434-440	3.4	20
65	Ring-opening polymerization of ethylene carbonate: comprehensive structural elucidation by 1D & 2D-NMR techniques, and selectivity analysis. <i>RSC Advances</i> , 2017 , 7, 11786-11795	3.7	19
64	2-Alkoxy-3-(sulfonylarylamino)methylene)-chroman-4-ones as potent and selective inhibitors of ectonucleotidases. <i>European Journal of Medicinal Chemistry</i> , 2016 , 115, 484-94	6.8	19
63	The role of naked fluoride ion as base or catalyst in organic synthesis. <i>Tetrahedron</i> , 2016 , 72, 2763-2812	2.4	19
62	N-Alkylated 1,4-Diazabicyclo[2.2.2]octane-Polyethylene Glycol Melt as Deep Eutectic Solvent for the Synthesis of Fisher Indoles and 1-Tetrazoles. <i>ACS Omega</i> , 2017 , 2, 2891-2900	3.9	18
61	Coumarin sulfonates: As potential leads for ROS inhibition. <i>Bioorganic Chemistry</i> , 2016 , 69, 37-47	5.1	18
60	Semicarbazone derivatives as urease inhibitors: Synthesis, biological evaluation, molecular docking studies and in-silico ADME evaluation. <i>Bioorganic Chemistry</i> , 2018 , 79, 19-26	5.1	16
59	Acridinedione as selective fluoride ion chemosensor: a detailed spectroscopic and quantum mechanical investigation.. <i>RSC Advances</i> , 2018 , 8, 1993-2003	3.7	15
58	Identification of new potent inhibitor of aldose reductase from <i>Ocimum basilicum</i> . <i>Bioorganic Chemistry</i> , 2017 , 75, 62-70	5.1	15
57	Solvent-free click chemistry for tetrazole synthesis from 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU)-Based fluorinated ionic liquids, their micellization, and density functional theory studies. <i>RSC Advances</i> , 2014 , 4, 64128-64137	3.7	15
56	Novel Armed Pyrazolobenzothiazine Derivatives: Synthesis, X-Ray Crystal Structure and POM analyses of Biological Activity Against Drug Resistant Clinical Isolate of <i>Staphylococcus aureus</i> . <i>Pharmaceutical Chemistry Journal</i> , 2016 , 50, 172-180	0.9	13
55	A patent update on therapeutic applications of urease inhibitors (2012-2018). <i>Expert Opinion on Therapeutic Patents</i> , 2019 , 29, 181-189	6.8	13

54	Protein-drug nanoconjugates: Finding the alternative proteins as drug carrier. <i>International Journal of Biological Macromolecules</i> , 2017 , 101, 131-145	7.9	12
53	One-pot synthesis of tetrazole-1,2,5,6-tetrahydropyridinonitriles and cholinesterase inhibition: Probing the plausible reaction mechanism via computational studies. <i>Bioorganic Chemistry</i> , 2016 , 65, 38-47	5.1	12
52	Facile one-pot synthesis of gold nanoparticles and their sensing protocol. <i>Chemical Communications</i> , 2011 , 47, 11987-9	5.8	12
51	Synthesis, characterization and molecular docking of some novel hydrazone-thiazolines as urease inhibitors. <i>Bioorganic Chemistry</i> , 2020 , 94, 103404	5.1	12
50	Multiple cross-linked hydroxypropylcellulose succinate acrylate: prodrug design, characterization, stimuli responsive swelling-deswelling and sustained drug release. <i>RSC Advances</i> , 2015 , 5, 43440-43448	3.7	11
49	Novel quinoxaline based chemosensors with selective dual mode of action: nucleophilic addition and host-guest type complex formation. <i>RSC Advances</i> , 2016 , 6, 64009-64018	3.7	11
48	Receptor-Spacer-Fluorophore Based Coumarin-Thiosemicarbazones as Anion Chemosensors with Turn on Response: Spectroscopic and Computational (DFT) Studies. <i>ChemistrySelect</i> , 2018 , 3, 7633-7642	1.8	11
47	N,N-Dimethylpyridin-4-amine (DMAP) based ionic liquids: evaluation of physical properties via molecular dynamics simulations and application as a catalyst for Fischer indole and 1H-tetrazole synthesis. <i>RSC Advances</i> , 2017 , 7, 34197-34207	3.7	11
46	Synthesis and urease inhibitory potential of benzophenone sulfonamide hybrid in vitro and in silico. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 1009-1022	3.4	11
45	Synthesis, X-ray crystal and monoamine oxidase inhibitory activity of 4,6-dihydrobenzo[c]pyrano[2,3-e][1,2]thiazine 5,5-dioxides: In vitro studies and docking analysis. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 131, 9-22	5.1	10
44	Facile dimethyl amino group triggered cyclic sulfonamides synthesis and evaluation as alkaline phosphatase inhibitors. <i>Bioorganic Chemistry</i> , 2017 , 71, 10-18	5.1	9
43	Exploring antidiabetic potential of adamantyl-thiosemicarbazones via aldose reductase (ALR2) inhibition. <i>Bioorganic Chemistry</i> , 2019 , 92, 103244	5.1	9
42	Synthesis and urease inhibitory activity of 1,4-benzodioxane-based thiosemicarbazones: Biochemical and computational approach. <i>Journal of Molecular Structure</i> , 2020 , 1209, 127922	3.4	9
41	Acridine-based (thio)semicarbazones and hydrazones: Synthesis, in vitro urease inhibition, molecular docking and in-silico ADME evaluation. <i>Bioorganic Chemistry</i> , 2019 , 82, 6-16	5.1	9
40	A Novel and Efficient Colorimetric Assay for Quantitative Determination of Amlodipine in Environmental, Biological and Pharmaceutical Samples. <i>ChemistrySelect</i> , 2019 , 4, 10046-10053	1.8	8
39	Regioselective synthesis of novel 2,3,4,4a-tetrahydro-1H-carbazoles and their cholinesterase inhibitory activities. <i>RSC Advances</i> , 2015 , 5, 59240-59250	3.7	8
38	Morpholinium and Piperidinium Based Deep Eutectic Solvents for Synthesis of Pyrazole-5-Carbonitriles, Indoles and Tetrazoles: Bulk Properties via Molecular Dynamics Simulations. <i>ChemistrySelect</i> , 2018 , 3, 12907-12917	1.8	8
37	Syntheses, cholinesterases inhibition, and molecular docking studies of pyrido[2,3-b]pyrazine derivatives. <i>Chemical Biology and Drug Design</i> , 2015 , 86, 1115-20	2.9	7

36	Aminoquinoline Schiff Bases as Non-Acidic, Non-Steroidal, Anti-Inflammatory Agents. <i>ChemistrySelect</i> , 2017 , 2, 10050-10054	1.8	6
35	Solvent-free 1H-tetrazole, 1,2,5,6-tetrahydronicotinonitrile and pyrazole synthesis using quinoline based ionic fluoride salts (QuFs): thermal and theoretical studies. <i>RSC Advances</i> , 2015 , 5, 95061-95072	3.7	6
34	Sulfonylhydrazones: Design, synthesis and investigation of ectonucleotidase (ALP & e5'NT) inhibition activities. <i>Bioorganic Chemistry</i> , 2020 , 100, 103827	5.1	6
33	Ectonucleotidase inhibitors: a patent review (2011-2016). <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 1291-1304	6.8	6
32	A novel framework of shot boundary detection for uncompressed videos 2009 ,		6
31	Synthesis of sensitive novel dual Signaling pyridopyrimidine-based fluorescent turn off chemosensors for anions determination. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 151, 107267	4.6	6
30	The suitability of silicon carbide for photocatalytic water oxidation. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 987-999	3.3	5
29	Investigations of Structural Requirements for BRD4 Inhibitors through Ligand- and Structure-Based 3D QSAR Approaches. <i>Molecules</i> , 2018 , 23,	4.8	5
28	Synergistic enzyme inhibition effect of cefuroxime by conjugation with gold and silver. <i>New Journal of Chemistry</i> , 2014 , 38, 1641	3.6	5
27	Thymidine esters as substrate analogue inhibitors of angiogenic enzyme thymidine phosphorylase in vitro. <i>Bioorganic Chemistry</i> , 2017 , 70, 44-56	5.1	5
26	New analogs of temporin-LK1 as inhibitors of multidrug-resistant (MDR) bacterial pathogens. <i>Synthetic Communications</i> , 2018 , 48, 1172-1182	1.7	4
25	Small molecules as activators in medicinal chemistry (2000-2016). <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 1089-1110	6.8	4
24	Synthesis, Molecular Modeling and Biological Evaluation of 5-arylidene-N,N-diethylthiobarbiturates as Potential α-glucosidase Inhibitors. <i>Medicinal Chemistry</i> , 2019 , 15, 175-185	1.8	4
23	Synthesis, in vitro urease inhibitory activity, and molecular docking studies of (perfluorophenyl)hydrazone derivatives. <i>Medicinal Chemistry Research</i> , 2019 , 28, 873-883	2.2	3
22	Acridine-Thiosemicarbazones-Stabilized Silver Nanoparticles as a Selective Sensor for Copper(II)-Ion in Tap Water. <i>ChemistrySelect</i> , 2019 , 4, 8757-8763	1.8	3
21	Synthesis of indole-substituted thiosemicarbazones as an aldose reductase inhibitor: an α selectivity and study. <i>Future Medicinal Chemistry</i> , 2021 , 13, 1185-1201	4.1	3
20	Semicarbazones, thiosemicarbazone, thiazole and oxazole analogues as monoamine oxidase inhibitors: Synthesis, characterization, biological evaluation, molecular docking, and kinetic studies. <i>Bioorganic Chemistry</i> , 2021 , 115, 105209	5.1	3
19	8-Hydroxyquinoline-Methionine Mixed Ligands Metal Complexes: Preparation and Their Antioxidant Activity. <i>ChemistrySelect</i> , 2019 , 4, 3058-3061	1.8	2

18	Peacock Feathers Extract Use as Template for Synthesis of Ag and Au Nanoparticles and Their Biological Applications. <i>Waste and Biomass Valorization</i> ,1	3.2	2
17	Exploring synthetic and therapeutic prospects of new thiazoline derivatives as aldose reductase (ALR2) inhibitors.. <i>RSC Advances</i> , 2021 , 11, 17259-17282	3.7	2
16	Distinctive inhibition of alkaline phosphatase isozymes by thiazol-2-ylidene-benzamide derivatives: Functional insights into their anticancer role. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 6501-6513	4.7	1
15	Deep eutectic solvent mediated synthesis of 3,4-dihydropyrimidin-2(1H)-ones and evaluation of biological activities targeting neurodegenerative disorders. <i>Bioorganic Chemistry</i> , 2022 , 118, 105457	5.1	1
14	Design, Synthesis and Antibacterial Activities of New Azo-compounds: An Experimental and a Computational Approach. <i>Letters in Drug Design and Discovery</i> , 2017 , 14,	0.8	1
13	A New Ceramide and Biflavonoid from the Leaves of <i>Parinari hypochrysea</i> (Chrysobalanaceae). <i>Natural Product Communications</i> , 2016 , 11, 1934578X1601100	0.9	1
12	Antiurease screening of alkyl chain-linked thiourea derivatives: biological activities, molecular docking, and dynamic simulations studies.. <i>RSC Advances</i> , 2022 , 12, 6292-6302	3.7	1
11	Folate Conjugated Polyethylene Glycol Probe for Tumor-Targeted Drug Delivery of 5-Fluorouracil.. <i>Molecules</i> , 2022 , 27,	4.8	1
10	Facile Synthesis and Electrochemical Evaluation of Coumarin-Tagged Pyridine and Thiophene Derivatives. <i>ChemistrySelect</i> , 2016 , 1, 1596-1601	1.8	0
9	Utilization of transition metal fluoride-based solid support catalysts for the synthesis of sulfonamides: carbonic anhydrase inhibitory activity and study.. <i>RSC Advances</i> , 2022 , 12, 3165-3179	3.7	0
8	The role of size-controlled CeO nanoparticles in enhancing the stability and photocatalytic performance of ZnO in natural sunlight exposure. <i>Chemosphere</i> , 2021 , 289, 133092	8.4	0
7	Recent Advances Towards Drug Design Targeting the Protease of 2019 Novel Coronavirus (2019-nCoV). <i>Current Medicinal Chemistry</i> , 2021 , 28, 4484-4498	4.3	0
6	Ultrasound-Assisted Extraction of Micro- and Macroelements in Fruit Peel Powder Mineral Supplement for Osteoporosis Patients and Their Determination by Flame Atomic Absorption Spectrometry. <i>Journal of Chemistry</i> , 2021 , 2021, 1-10	2.3	0
5	Piperidinium-Based Deep Eutectic Solvents: Efficient and Sustainable Eco-Friendly Medium for One-Pot N-Heterocycles Synthesis. <i>ChemistrySelect</i> , 2020 , 5, 12697-12703	1.8	
4	Thin-slice vision: inference of confidence measure from perceptual video quality. <i>Journal of Electronic Imaging</i> , 2016 , 25, 060501	0.7	
3	Esterification of Salicylic acid with Succinylated Dextran Using ZrOCl ₂ .8H ₂ O over MCM-41: A Novel Strategy to Design Polysaccharide-Based Macromolecular Prodrugs. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 5583-5591	2.5	
2	Identification and structural investigation of potential novel drug candidates against lethal human pathogen. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2021 , 34, 21-34	0.4	
1	Acridine-2,4-Dinitrophenyl Hydrazone Conjugated Silver Nanoparticles as an Efficient Sensor for Quantification of Mercury in Tap Water. <i>Journal of Chemistry</i> , 2022 , 2022, 1-12	2.3	

