Abdul Hameed

List of Publications by Year in descending order

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92 papers	2,685 citations	236612 25 h-index	205818 48 g-index
93 all docs	93 docs citations	93 times ranked	3506 citing authors

#	Article	IF	Citations
1	Surface Phases and Photocatalytic Activity Correlation of Bi₂O₃/Bi₂O_{4-x} Nanocomposite. Journal of the American Chemical Society, 2008, 130, 9658-9659.	6.6	327
2	Schiff bases in medicinal chemistry: a patent review (2010-2015). Expert Opinion on Therapeutic Patents, 2017, 27, 63-79.	2.4	208
3	Synthesis, characterization and photocatalytic performance of transition metal tungstates. Chemical Physics Letters, 2010, 498, 113-119.	1.2	173
4	Quinazoline and quinazolinone as important medicinal scaffolds: a comparative patent review (2011â€“2016). Expert Opinion on Therapeutic Patents, 2018, 28, 281-297.	2.4	165
5	Toxic and heavy metals contamination assessment in soil and water to evaluate human health risk. Scientific Reports, 2021, 11, 17006.	1.6	139
6	Sunlight induced formation of surface Bi2O4â^'â€“Bi2O3 nanocomposite during the photocatalytic mineralization of 2-chloro and 2-nitrophenol. Applied Catalysis B: Environmental, 2015, 163, 444-451.	10.8	112
7	Photocatalytic decolourization of dyes on NiOâ€“ZnO nano-composites. Photochemical and Photobiological Sciences, 2009, 8, 677-682.	1.6	97
8	Synthesis, characterization and photocatalytic activity of NiOâ€“Bi2O3 nanocomposites. Chemical Physics Letters, 2009, 472, 212-216.	1.2	94
9	Photocatalytic activity of zinc modified Bi2O3. Chemical Physics Letters, 2009, 483, 254-261.	1.2	90
10	Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. Bioorganic Chemistry, 2015, 61, 51-57.	2.0	65
11	Coumarin-thiazole and -oxadiazole derivatives: Synthesis, bioactivity and docking studies for aldose/aldehyde reductase inhibitors. Bioorganic Chemistry, 2016, 68, 177-186.	2.0	46
12	Benzoxazinone-thiosemicarbazones as antidiabetic leads via aldose reductase inhibition: Synthesis, biological screening and molecular docking study. Bioorganic Chemistry, 2019, 87, 857-866.	2.0	40
13	Synthesis and characterisation of calix[4]arene based bis(triazole)-bis(hexahydroquinoline): Probing highly selective fluorescence quenching towards mercury (Hg 2+) analyte. Journal of Hazardous Materials, 2018, 347, 349-358.	6.5	38
14	Sulfonamides containing curcumin scaffold: Synthesis, characterization, carbonic anhydrase inhibition and molecular docking studies. Bioorganic Chemistry, 2018, 76, 218-227.	2.0	38
15	Synthesis, in vitro Î±-glucosidase inhibitory activity and molecular docking studies of new thiazole derivatives. Bioorganic Chemistry, 2016, 68, 245-258.	2.0	37
16	Azomethines, isoxazole, N-substituted pyrazoles and pyrimidine containing curcumin derivatives: Urease inhibition and molecular modeling studies. Biochemical and Biophysical Research Communications, 2017, 490, 434-440.	1.0	37
17	Novel structural hybrids of pyrazolobenzothiazines with benzimidazoles as cholinesterase inhibitors. European Journal of Medicinal Chemistry, 2014, 78, 106-117.	2.6	34
18	Novel acridine-based thiosemicarbazones as â€˜turn-on' chemosensors for selective recognition of fluoride anion: a spectroscopic and theoretical study. Royal Society Open Science, 2018, 5, 180646.	1.1	34

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19	Screening of curcuminâ€derived isoxazole, pyrazoles, and pyrimidines for their antiâ€inflammatory, antinociceptive, and cyclooxygenaseâ€2 inhibition. Chemical Biology and Drug Design, 2018, 91, 338-343.	1.5	33
20	Coumarin-based thiosemicarbazones as potent urease inhibitors: synthesis, solid state self-assembly and molecular docking. RSC Advances, 2016, 6, 63886-63894.	1.7	30
21	A patent update on therapeutic applications of urease inhibitors (2012â€“2018). Expert Opinion on Therapeutic Patents, 2019, 29, 181-189.	2.4	30
22	Synthesis, structureâ€“activity relationship and molecular docking of 3-oxoaurones and 3-thioaurones as acetylcholinesterase and butyrylcholinesterase inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 100-106.	1.4	29
23	The immunomodulation potential of the synthetic derivatives of benzothiazoles: Implications in immune system disorders through in vitro and in silico studies. Bioorganic Chemistry, 2016, 64, 21-28.	2.0	28
24	The role of naked fluoride ion as base or catalyst in organic synthesis. Tetrahedron, 2016, 72, 2763-2812.	1.0	26
25	The suitability of Ce³⁺-modified ZnO photocatalyst for the mineralization of monochlorophenol isomers in sunlight exposure. RSC Advances, 2014, 4, 49347-49359.	1.7	25
26	Coumarin sulfonates: New alkaline phosphatase inhibitors; inÂvitro and in silico studies. European Journal of Medicinal Chemistry, 2017, 131, 29-47.	2.6	25
27	N-Alkylated 1,4-Diazabicyclo[2.2.2]octaneâ€“Polyethylene Glycol Melt as Deep Eutectic Solvent for the Synthesis of Fisher Indoles and 1H-Tetrazoles. ACS Omega, 2017, 2, 2891-2900.	1.6	25
28	Semicarbazone derivatives as urease inhibitors: Synthesis, biological evaluation, molecular docking studies and in-silico ADME evaluation. Bioorganic Chemistry, 2018, 79, 19-26.	2.0	24
29	2-Alkoxy-3-(sulfonylarylaminomethylene)-chroman-4-ones as potent and selective inhibitors of ectonucleotidases. European Journal of Medicinal Chemistry, 2016, 115, 484-494.	2.6	23
30	Ring-opening polymerization of ethylene carbonate: comprehensive structural elucidation by 1D & 2D-NMR techniques, and selectivity analysis. RSC Advances, 2017, 7, 11786-11795.	1.7	23
31	Synthesis, characterization and molecular docking of some novel hydrazonothiazolines as urease inhibitors. Bioorganic Chemistry, 2020, 94, 103404.	2.0	22
32	Acridinedione as selective flouride ion chemosensor: a detailed spectroscopic and quantum mechanical investigation. RSC Advances, 2018, 8, 1993-2003.	1.7	21
33	Exploring antidiabetic potential of adamantyl-thiosemicarbazones via aldose reductase (ALR2) inhibition. Bioorganic Chemistry, 2019, 92, 103244.	2.0	21
34	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. RSC Advances, 2014, 4, 64128-64137.	1.7	20
35	Coumarin sulfonates: As potential leads for ROS inhibition. Bioorganic Chemistry, 2016, 69, 37-47.	2.0	20
36	Receptorâ€Spacerâ€Fluorophore Based Coumarinâ€Thiosemicarbazones as Anion Chemosensors with â€œTurn onâ€•Response: Spectroscopic and Computational (DFT) Studies. ChemistrySelect, 2018, 3, 7633-7642.	0.7	20

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37	Synthesis and urease inhibitory potential of benzophenone sulfonamide hybrid in vitro and in silico. Bioorganic and Medicinal Chemistry, 2019, 27, 1009-1022.	1.4	20
38	Identification of new potent inhibitor of aldose reductase from Ocimum basilicum. Bioorganic Chemistry, 2017, 75, 62-70.	2.0	18
39	Novel Armed Pyrazolobenzothiazine Derivatives: Synthesis, X-Ray Crystal Structure and POM analyses of Biological Activity Against Drug Resistant Clinical Isolate of Staphylococcus aureus. Pharmaceutical Chemistry Journal, 2016, 50, 172-180.	0.3	17
40	Synthesis and urease inhibitory activity of 1,4-benzodioxane-based thiosemicarbazones: Biochemical and computational approach. Journal of Molecular Structure, 2020, 1209, 127922.	1.8	17
41	Multiple cross-linked hydroxypropylcelluloseâ€“succinateâ€“salicylate: prodrug design, characterization, stimuli responsive swellingâ€“deswelling and sustained drug release. RSC Advances, 2015, 5, 43440-43448.	1.7	16
42	Ectonucleotidase inhibitors: a patent review (2011-2016). Expert Opinion on Therapeutic Patents, 2017, 27, 1291-1304.	2.4	16
43	Acridine-based (thio)semicarbazones and hydrazones: Synthesis, in vitro urease inhibition, molecular docking and in-silico ADME evaluation. Bioorganic Chemistry, 2019, 82, 6-16.	2.0	16
44	Proteinâ€“drug nanoconjugates: Finding the alternative proteins as drug carrier. International Journal of Biological Macromolecules, 2017, 101, 131-145.	3.6	15
45	Facile one-pot synthesis of gold nanoparticles and their sensing protocol. Chemical Communications, 2011, 47, 11987.	2.2	14
46	One-pot synthesis of tetrazole-1,2,5,6-tetrahydronicotinonitriles and cholinesterase inhibition: Probing the plausible reaction mechanism via computational studies. Bioorganic Chemistry, 2016, 65, 38-47.	2.0	14
47	N,N-Dimethylpyridin-4-amine (DMAP) based ionic liquids: evaluation of physical properties via molecular dynamics simulations and application as a catalyst for Fisher indole and 1H-tetrazole synthesis. RSC Advances, 2017, 7, 34197-34207.	1.7	14
48	A Novel and Efficient Colorimetric Assay for Quantitative Determination of Amlodipine in Environmental, Biological and Pharmaceutical Samples. ChemistrySelect, 2019, 4, 10046-10053.	0.7	14
49	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. European Journal of Pharmaceutical Sciences, 2019, 131, 9-22.	1.9	14
50	Sulfonylhydrazones: Design, synthesis and investigation of ectonucleotidase (ALP & e5â€²NT) inhibition activities. Bioorganic Chemistry, 2020, 100, 103827.	2.0	13
51	Regioselective synthesis of novel 2,3,4,4a-tetrahydro-1H-carbazoles and their cholinesterase inhibitory activities. RSC Advances, 2015, 5, 59240-59250.	1.7	12
52	Novel quinoxaline based chemosensors with selective dual mode of action: nucleophilic addition and hostâ€“guest type complex formation. RSC Advances, 2016, 6, 64009-64018.	1.7	12
53	Facile dimethyl amino group triggered cyclic sulfonamides synthesis and evaluation as alkaline phosphatase inhibitors. Bioorganic Chemistry, 2017, 71, 10-18.	2.0	12
54	Investigations of Structural Requirements for BRD4 Inhibitors through Ligand- and Structure-Based 3D QSAR Approaches. Molecules, 2018, 23, 1527.	1.7	12

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55	Synthesis, Molecular Modeling and Biological Evaluation of 5-arylidene-N,N-diethylthiobarbiturates as Potential Î±-glucosidase Inhibitors. Medicinal Chemistry, 2019, 15, 175-185.	0.7	12
56	Syntheses, Cholinesterases Inhibition, and Molecular Docking Studies of Pyrido[2,3â€b]pyrazine Derivatives. Chemical Biology and Drug Design, 2015, 86, 1115-1120.	1.5	11
57	The suitability of silicon carbide for photocatalytic water oxidation. Applied Nanoscience (Switzerland), 2018, 8, 987-999.	1.6	11
58	Semicarbazones, thiosemicarbazone, thiazole and oxazole analogues as monoamine oxidase inhibitors: Synthesis, characterization, biological evaluation, molecular docking, and kinetic studies. Bioorganic Chemistry, 2021, 115, 105209.	2.0	11
59	Morpholinium and Piperidinium Based Deep Eutectic Solvents for Synthesis of Pyrazoleâ€5â€Carbonitriles, Indoles and Tetrazoles: Bulk Properties via Molecular Dynamics Simulations. ChemistrySelect, 2018, 3, 12907-12917.	0.7	10
60	Synthesis of sensitive novel dual Signaling pyridopyrimidine-based fluorescent â€œturn offâ€• chemosensors for anions determination. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107267.	2.5	10
61	Peacock Feathers Extract Use as Template for Synthesis of Ag and Au Nanoparticles and Their Biological Applications. Waste and Biomass Valorization, 2022, 13, 659-666.	1.8	10
62	Synthesis, in vitro urease inhibitory activity, and molecular docking studies of (perfluorophenyl)hydrazone derivatives. Medicinal Chemistry Research, 2019, 28, 873-883.	1.1	9
63	Aminoquinoline Schiff Bases as Non-Acidic, Non-Steroidal, Anti-Inflammatory Agents. ChemistrySelect, 2017, 2, 10050-10054.	0.7	8
64	Thymidine esters as substrate analogue inhibitors of angiogenic enzyme thymidine phosphorylase in vitro. Bioorganic Chemistry, 2017, 70, 44-56.	2.0	8
65	Deep eutectic solvent mediated synthesis of 3,4-dihydropyrimidin-2(1H)-ones and evaluation of biological activities targeting neurodegenerative disorders. Bioorganic Chemistry, 2022, 118, 105457.	2.0	8
66	A novel framework of shot boundary detection for uncompressed videos. , 2009, , .		7
67	Solvent-free 1H-tetrazole, 1,2,5,6-tetrahydronicotinonitrile and pyrazole synthesis using quinoline based ionic fluoride salts (QuFs): thermal and theoretical studies. RSC Advances, 2015, 5, 95061-95072.	1.7	7
68	Exploring synthetic and therapeutic prospects of new thiazoline derivatives as aldose reductase (ALR2) inhibitors. RSC Advances, 2021, 11, 17259-17282.	1.7	7
69	The role of size-controlled CeO2 nanoparticles in enhancing the stability and photocatalytic performance of ZnO in natural sunlight exposure. Chemosphere, 2022, 289, 133092.	4.2	7
70	Antiurease screening of alkyl chain-linked thiourea derivatives: in vitro biological activities, molecular docking, and dynamic simulations studies. RSC Advances, 2022, 12, 6292-6302.	1.7	7
71	Folate Conjugated Polyethylene Glycol Probe for Tumor-Targeted Drug Delivery of 5-Fluorouracil. Molecules, 2022, 27, 1780.	1.7	7
72	Synergistic enzyme inhibition effect of cefuroxime by conjugation with gold and silver. New Journal of Chemistry, 2014, 38, 1641.	1.4	6

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73	New analogs of temporin-LK1 as inhibitors of multidrug-resistant (MDR) bacterial pathogens. Synthetic Communications, 2018, 48, 1172-1182.	1.1	5
74	Ultrasound-Assisted Extraction of Micro- and Macroelements in Fruit Peel Powder Mineral Supplement for Osteoporosis Patients and Their Determination by Flame Atomic Absorption Spectrometry. Journal of Chemistry, 2021, 2021, 1-10.	0.9	5
75	Small molecules as activators in medicinal chemistry (2000â€“2016). Expert Opinion on Therapeutic Patents, 2017, 27, 1089-1110.	2.4	4
76	8â€Hydroxyquinolineâ€Methionine Mixed Ligands Metal Complexes: Preparation and Their Antioxidant Activity. ChemistrySelect, 2019, 4, 3058-3061.	0.7	4
77	Synthesis of indole-substituted thiosemicarbazones as an aldose reductase inhibitor: anÂin vitro, selectivity andin silicostudy. Future Medicinal Chemistry, 2021, 13, 1185-1201.	1.1	4
78	Recent Advances Towards Drug Design Targeting the Protease of 2019 Novel Coronavirus (2019-nCoV). Current Medicinal Chemistry, 2021, 28, 4484-4498.	1.2	4
79	Acridineâ€Thiosemicarbazonesâ€Stabilized Silver Nanoparticles as a Selective Sensor for Copper(II)â€Ion in Tap Water. ChemistrySelect, 2019, 4, 8757-8763.	0.7	3
80	Piperidiniumâ€Based Deep Eutectic Solvents: Efficient and Sustainable Ecoâ€Friendly Medium for Oneâ€Pot Nâ€Heterocycles Synthesis. ChemistrySelect, 2020, 5, 12697-12703.	0.7	3
81	Design, Synthesis and Antibacterial Activities of New Azo-compounds: An Experimental and a Computational Approach. Letters in Drug Design and Discovery, 2017, 14, .	0.4	3
82	A New Ceramide and Biflavonoid from the Leaves of Parinari hypochrysea (Chrysobalanaceae). Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	2
83	Distinctive inhibition of alkaline phosphatase isozymes by thiazolâ€2â€ylideneâ€benzamide derivatives: Functional insights into their anticancer role. Journal of Cellular Biochemistry, 2018, 119, 6501-6513.	1.2	2
84	Utilization of transition metal fluoride-based solid support catalysts for the synthesis of sulfonamides: carbonic anhydrase inhibitory activity and in silico study. RSC Advances, 2022, 12, 3165-3179.	1.7	2
85	Probing new DABCO-F based ionic liquids as catalyst in organic synthesis. Journal of Molecular Structure, 2022, 1268, 133638.	1.8	2
86	Facile Synthesis and Electrochemical Evaluation of Coumarinâ€Tagged Pyridine and Thiophene Derivatives. ChemistrySelect, 2016, 1, 1596-1601.	0.7	1
87	Video shot detection by motion estimation and compensation. , 2009, , .		0
88	Thin-slice vision: inference of confidence measure from perceptual video quality. Journal of Electronic Imaging, 2016, 25, 060501.	0.5	0
89	Esterification of Salicylic acid with Succinylated Dextran Using ZrOCl2.8H2O over MCM-41: A Novel Strategy to Design Polysaccharide-Based Macromolecular Prodrugs. Arabian Journal for Science and Engineering, 2021, 46, 5583-5591.	1.7	0
90	The Synthesis and Chemistry of Quinolinediones and their Carbocyclic Analogs. Mini-Reviews in Organic Chemistry, 2021, 18, .	0.6	0

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91	Identification and structural investigation of potential novel drug candidates against lethal human pathogen. Pakistan Journal of Pharmaceutical Sciences, 2021, 34, 21-34.	0.2	0
92	Acridine-2,4-Dinitrophenyl Hydrazone Conjugated Silver Nanoparticles as an Efficient Sensor for Quantification of Mercury in Tap Water. Journal of Chemistry, 2022, 2022, 1-12.	0.9	0