Khalid Mohammed Khan

List of Publications by Year
in descending order

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389 papers	11,489 citations	28190 55 h-index	64668 79 g-index
405 all docs	405 docs citations	405 times ranked	8174 citing authors

#	Article	IF	Citations
1	Isatin-derived Antibacterial and Antifungal Compounds and their Transition Metal Complexes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2004, 19, 417-423.	2.5	210
2	Schiff bases in medicinal chemistry: a patent review (2010-2015). Expert Opinion on Therapeutic Patents, 2017, 27, 63-79.	2.4	208
3	Biscoumarin: new class of urease inhibitors; economical synthesis and activity. Bioorganic and Medicinal Chemistry, 2004, 12, 1963-1968.	1.4	201
4	Structureâ€“activity relationships of tyrosinase inhibitory combinatorial library of 2,5-disubstituted-1,3,4-oxadiazole analogues. Bioorganic and Medicinal Chemistry, 2005, 13, 3385-3395.	1.4	168
5	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
6	Synthesis of novel inhibitors of Î±-glucosidase based on the benzothiazole skeleton containing benzohydrazide moiety and their molecular docking studies. European Journal of Medicinal Chemistry, 2015, 92, 387-400.	2.6	155
7	Isatin based Schiff bases as inhibitors of Î±-glucosidase: Synthesis, characterization, in vitro evaluation and molecular docking studies. Bioorganic Chemistry, 2015, 60, 42-48.	2.0	147
8	Synthesis of bis-Schiff bases of isatins and their antiglycation activity. Bioorganic and Medicinal Chemistry, 2009, 17, 7795-7801.	1.4	134
9	In-vitro antibacterial, antifungal and cytotoxic properties of sulfonamideâ€”derived Schiff's bases and their metal complexes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2005, 20, 183-188.	2.5	133
10	Synthesis and molecular docking studies of potent Î±-glucosidase inhibitors based on biscoumarin skeleton. European Journal of Medicinal Chemistry, 2014, 81, 245-252.	2.6	128
11	Triazinoindole analogs as potent inhibitors of Î±-glucosidase: Synthesis, biological evaluation and molecular docking studies. Bioorganic Chemistry, 2015, 58, 81-87.	2.0	126
12	N-Alkylation of anilines, carboxamides and several nitrogen heterocycles using CsFâ€“Celite/alkyl halides/CH3CN combination. Tetrahedron, 2001, 57, 9951-9957.	1.0	118
13	Multicomponent reactions (MCR) in medicinal chemistry: a patent review (2010-2020). Expert Opinion on Therapeutic Patents, 2021, 31, 267-289.	2.4	115
14	Synthesis, molecular docking, acetylcholinesterase and butyrylcholinesterase inhibitory potential of thiazole analogs as new inhibitors for Alzheimer disease. Bioorganic Chemistry, 2015, 62, 106-116.	2.0	114
15	Synthesis, in vitro evaluation and molecular docking studies of thiazole derivatives as new inhibitors of Î±-glucosidase. Bioorganic Chemistry, 2015, 62, 15-21.	2.0	109
16	3-Formylchromones: Potential antiinflammatory agents. European Journal of Medicinal Chemistry, 2010, 45, 4058-4064.	2.6	103
17	Tetraketones: A new class of tyrosinase inhibitors. Bioorganic and Medicinal Chemistry, 2006, 14, 344-351.	1.4	99
18	Synthesis and inÂvitro urease inhibitory activity of N,Nâ€²-disubstituted thioureas. European Journal of Medicinal Chemistry, 2014, 74, 314-323.	2.6	98

#	Article	IF	Citations
19	A novel method for the syntheses of symmetrical disulfides using CsFâ€“Celite as a solid base. Tetrahedron Letters, 2003, 44, 6789-6791.	0.7	94
20	Oxazolones: New tyrosinase inhibitors; synthesis and their structureâ€“activity relationships. Bioorganic and Medicinal Chemistry, 2006, 14, 6027-6033.	1.4	93
21	Schiff bases of 3-formylchromone as thymidine phosphorylase inhibitors. Bioorganic and Medicinal Chemistry, 2009, 17, 2983-2988.	1.4	93
22	Microwaveâ€“metal interaction pyrolysis of polystyrene. Journal of Analytical and Applied Pyrolysis, 2010, 89, 39-43.	2.6	93
23	Synthesis of novel inhibitors of Î²-glucuronidase based on benzothiazole skeleton and study of their binding affinity by molecular docking. Bioorganic and Medicinal Chemistry, 2011, 19, 4286-4294.	1.4	91
24	Synthesis, Î±-glucosidase inhibition and molecular docking study of coumarin based derivatives. Bioorganic Chemistry, 2018, 77, 586-592.	2.0	88
25	Synthesis of 4-thiazolidinone analogs as potent in vitro anti-urease agents. Bioorganic Chemistry, 2015, 63, 123-131.	2.0	85
26	Synthesis and in vitro acetylcholinesterase and butyrylcholinesterase inhibitory potential of hydrazide based Schiff bases. Bioorganic Chemistry, 2016, 68, 30-40.	2.0	82
27	Synthesis of antibacterial and antifungal cobalt(II), copper(II), nickel(II) and zinc(II) complexes with bis-(1,1â€²-disubstituted ferrocenyl)thiocarbohydrazone and bis-(1,1â€²-disubstituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4	1.7	80
28	Synthesis and study of the Î±-amylase inhibitory potential of thiadiazole quinoline derivatives. Bioorganic Chemistry, 2017, 74, 179-186.	2.0	80
29	Synthesis of novel derivatives of oxindole, their urease inhibition and molecular docking studies. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3285-3289.	1.0	79
30	Synthesis of diethyl 4-substituted-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylates as a new series of inhibitors against yeast Î±-glucosidase. European Journal of Medicinal Chemistry, 2015, 95, 199-209.	2.6	78
31	Syntheses of new 3-thiazolyl coumarin derivatives, inÂvitro Î± -glucosidase inhibitory activity, and molecular modeling studies. European Journal of Medicinal Chemistry, 2016, 122, 196-204.	2.6	78
32	Synthesis of benzotriazoles derivatives and their dual potential as Î±-amylase and Î±-glucosidase inhibitors inÂvitro: Structure-activity relationship, molecular docking, and kinetic studies. European Journal of Medicinal Chemistry, 2019, 183, 111677.	2.6	78
33	Synthesis of Coumarin Derivatives with Cytotoxic, Antibacterial and Antifungal Activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2004, 19, 373-379.	2.5	75
34	5-Bromo-2-aryl benzimidazole derivatives as non-cytotoxic potential dual inhibitors of Î± -glucosidase and urease enzymes. Bioorganic Chemistry, 2017, 72, 21-31.	2.0	75
35	Biology-oriented drug synthesis (BIODS) of 2-(2-methyl-5-nitro-1H-imidazol-1-yl)ethyl aryl ether derivatives, in vitro Î±-amylase inhibitory activity and in silico studies. Bioorganic Chemistry, 2017, 74, 1-9.	2.0	75
36	Synthesis, Î± -glucosidase inhibitory activity and in silico study of tris -indole hybrid scaffold with oxadiazole ring: As potential leads for the management of type-II diabetes mellitus. Bioorganic Chemistry, 2017, 74, 30-40.	2.0	72

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37	In vitro cytotoxic, antibacterial, antifungal and urease inhibitory activities of some N⁴- substituted isatin-3-thiosemicarbazones. Journal of Enzyme Inhibition and Medicinal Chemistry, 2008, 23, 848-854.	2.5	71
38	Synthesis, molecular docking and Î±-glucosidase inhibition of 5-aryl-2-(6â€²-nitrobenzofuran-2â€²-yl)-1,3,4-oxadiazoles. Bioorganic Chemistry, 2016, 66, 117-123.	2.0	71
39	The conversion of waste polystyrene into useful hydrocarbons by microwave-metal interaction pyrolysis. Fuel Processing Technology, 2012, 94, 145-150.	3.7	70
40	Synthesis of Novel Bisindolylmethane Schiff bases and Their Antibacterial Activity. Molecules, 2014, 19, 11722-11740.	1.7	70
41	New Hybrid Hydrazinyl Thiazole Substituted Chromones: As Potential Î±-Amylase Inhibitors and Radical (DPPH & ABTS) Scavengers. Scientific Reports, 2017, 7, 16980.	1.6	70
42	Synthesis of novel derivatives of 4-methylbenzimidazole and evaluation of their biological activities. European Journal of Medicinal Chemistry, 2014, 84, 731-738.	2.6	69
43	Synthesis of new oxadiazole derivatives as Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 4155-4162.	1.4	67
44	Synthesis crystal structure of 2-methoxybenzoylhydrazones and evaluation of their Î±-glucosidase and urease inhibition potential. Medicinal Chemistry Research, 2015, 24, 1310-1324.	1.1	66
45	Synthesis, Î²-glucuronidase inhibition and molecular docking studies of hybrid bisindole-thiosemicarbazides analogs. Bioorganic Chemistry, 2016, 68, 56-63.	2.0	66
46	Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. Bioorganic Chemistry, 2015, 61, 51-57.	2.0	65
47	Hydrazinyl arylthiazole based pyridine scaffolds: Synthesis, structural characterization, inÂvitro Î±-glucosidase inhibitory activity, and in silico studies. European Journal of Medicinal Chemistry, 2017, 138, 255-272.	2.6	65
48	Synthesis, in vitro Î±-glucosidase inhibitory potential and molecular docking study of thiadiazole analogs. Bioorganic Chemistry, 2018, 78, 201-209.	2.0	65
49	An alternative approach towards the syntheses of thioethers and thioesters using CsFâ€“Celite in acetonitrile. Tetrahedron Letters, 2002, 43, 8281-8283.	0.7	63
50	Synthesis, In vitro and Docking Studies of New Flavone Ethers as Î±â€Glucosidase Inhibitors. Chemical Biology and Drug Design, 2016, 87, 361-373.	1.5	63
51	Synthesis and anti-HIV activity of new chiral 1,2,4-triazoles and 1,3,4-thiadiazoles. Heteroatom Chemistry, 2007, 18, 316-322.	0.4	62
52	Synthesis and Î²-glucuronidase inhibitory activity of 2-arylquinazolin-4(3H)-ones. Bioorganic and Medicinal Chemistry, 2014, 22, 3449-3454.	1.4	61
53	Novel 2,5-disubtituted-1,3,4-oxadiazoles with benzimidazole backbone: A new class of Î²-glucuronidase inhibitors and in silico studies. Bioorganic and Medicinal Chemistry, 2015, 23, 3119-3125.	1.4	60
54	Design, synthesis, and urease inhibition studies of some 1,3,4-oxadiazoles and 1,2,4-triazoles derived from mandelic acid. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 572-576.	2.5	59

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55	Bisindolylmethane thiosemicarbazides as potential inhibitors of urease: Synthesis and molecular modeling studies. Bioorganic and Medicinal Chemistry, 2018, 26, 152-160.	1.4	59
56	Palladium-Catalyzed Regioselective Benzylationâ€“Annulation of Pyridine N-Oxides with Toluene Derivatives via Multiple Câ€“H Bond Activations: Benzylation versus Arylation. Organic Letters, 2015, 17, 414-417.	2.4	56
57	Co-liquefaction of Makarwal coal and waste polystyrene by microwaveâ€“metal interaction pyrolysis in copper coil reactor. Journal of Analytical and Applied Pyrolysis, 2011, 90, 53-55.	2.6	53
58	Synthesis, biological evaluation, and docking studies of novel thiourea derivatives of bisindolylmethane as carbonic anhydrase II inhibitor. Bioorganic Chemistry, 2015, 62, 83-93.	2.0	53
59	Oxindole based oxadiazole hybrid analogs: Novel Î± -glucosidase inhibitors. Bioorganic Chemistry, 2018, 76, 273-280.	2.0	53
60	Oxadiazoles and thiadiazoles: Novel Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 5454-5465.	1.4	52
61	Chemistry, Urease Inhibition, and Phytotoxic Studies of Binuclear Vanadium(IV) Complexes. Chemistry and Biodiversity, 2007, 4, 58-71.	1.0	51
62	Synthesis and biological evaluation of some new N⁴-substituted isatin-3-thiosemicarbazones. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 437-446.	2.5	51
63	Discovery of novel oxindole derivatives as potent Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 3441-3448.	1.4	51
64	2-Arylquinazolin-4(3H)-ones: A new class of Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 7417-7421.	1.4	51
65	Synthesis, in vitro alpha-glucosidase inhibitory potential of benzimidazole bearing bis-Schiff bases and their molecular docking study. Bioorganic Chemistry, 2020, 94, 103394.	2.0	51
66	Synthesis of new indazole based dual inhibitors of Î±-glucosidase and Î±-amylase enzymes, their in vitro, in silico and kinetics studies. Bioorganic Chemistry, 2020, 94, 103195.	2.0	51
67	1,3,4-Oxadiazole-2(3H)-thione and its analogues: A new class of non-competitive nucleotide pyrophosphatases/phosphodiesterases 1 inhibitors. Bioorganic and Medicinal Chemistry, 2009, 17, 7816-7822.	1.4	49
68	2-(2â€²-Pyridyl) benzimidazole derivatives and their urease inhibitory activity. Medicinal Chemistry Research, 2014, 23, 4447-4454.	1.1	49
69	Synthesis of Bis-indolylmethane sulfonohydrazides derivatives as potent Î±-Glucosidase inhibitors. Bioorganic Chemistry, 2018, 80, 112-120.	2.0	49
70	2Ê¹-Aryl and 4Ê¹-arylidene substituted pyrazolones: As potential Î±-amylase inhibitors. European Journal of Medicinal Chemistry, 2018, 159, 47-58.	2.6	48
71	New indole based hybrid oxadiazole scaffolds with N-substituted acetamides: As potent anti-diabetic agents. Bioorganic Chemistry, 2018, 81, 253-263.	2.0	48
72	Evaluation of bisindole as potent Î²-glucuronidase inhibitors: Synthesis and in silico based studies. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1825-1829.	1.0	47

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73	Synthesis, Î±-glucosidase inhibitory, cytotoxicity and docking studies of 2-aryl-7-methylbenzimidazoles. Bioorganic Chemistry, 2016, 65, 100-109.	2.0	47
74	Dihydropyrano [2,3-c] pyrazole: Novel in vitro inhibitors of yeast Î±-glucosidase. Bioorganic Chemistry, 2016, 65, 61-72.	2.0	47
75	2-Aryl benzimidazoles: Synthesis, InÂvitro Î±-amylase inhibitory activity, and molecular docking study. European Journal of Medicinal Chemistry, 2018, 150, 248-260.	2.6	47
76	Synthesis of 2-methoxybenzoylhydrazone and evaluation of their antileishmanial activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3463-3466.	1.0	46
77	Unsymmetrically disubstituted urea derivatives: A potent class of antiglycating agents. Bioorganic and Medicinal Chemistry, 2009, 17, 2447-2451.	1.4	45
78	Molecular modeling-based antioxidant arylidene barbiturates as urease inhibitors. Journal of Molecular Graphics and Modelling, 2011, 30, 153-156.	1.3	45
79	Synthesis of 6-chloro-2-Aryl-1H-imidazo[4,5-b]pyridine derivatives: Antidiabetic, antioxidant, Î²-glucuronidase inhibiton and their molecular docking studies. Bioorganic Chemistry, 2016, 65, 48-56.	2.0	45
80	Synthesis of quinoline derivatives as diabetic II inhibitors and molecular docking studies. Bioorganic and Medicinal Chemistry, 2019, 27, 4081-4088.	1.4	45
81	Cesium fluoride-Celite: a solid base for efficient syntheses of aromatic esters and ethers. Tetrahedron, 2005, 61, 6652-6656.	1.0	43
82	Syntheses, Urease Inhibition, and Antimicrobial Studies of Some Chiral 3-Substituted-4-amino-5-thioxo-1H,4H-1,2,4-triazoles. Medicinal Chemistry, 2008, 4, 539-543.	0.7	43
83	Isolation and immunomodulatory properties of a flavonoid, casticin from Vitex agnusâ€castus. Phytotherapy Research, 2009, 23, 1516-1520.	2.8	43
84	Synthesis and structureâ€“activity relationship of thiobarbituric acid derivatives as potent inhibitors of urease. Bioorganic and Medicinal Chemistry, 2014, 22, 4119-4123.	1.4	43
85	Synthesis and inhibitory potential towards acetylcholinesterase, butyrylcholinesterase and lipoxygenase of some variably substituted chalcones. Journal of Enzyme Inhibition and Medicinal Chemistry, 2005, 20, 41-47.	2.5	42
86	Synthesis, Spectroscopy, and Biological Properties of Vanadium(IV)â€“Hydrazide Complexes. Chemistry and Biodiversity, 2008, 5, 82-92.	1.0	42
87	Identification of potent urease inhibitors via ligand- and structure-based virtual screening and in vitro assays. Journal of Molecular Graphics and Modelling, 2010, 28, 792-798.	1.3	42
88	Synthesis of novel benzohydrazoneâ€“oxadiazole hybrids as Î²-glucuronidase inhibitors and molecular modeling studies. Bioorganic and Medicinal Chemistry, 2015, 23, 7394-7404.	1.4	42
89	Dihydropyridines as potential Î±-amylase and Î±-glucosidase inhibitors: Synthesis, in vitro and in silico studies. Bioorganic Chemistry, 2020, 96, 103581.	2.0	42
90	Syntheses, in vitro Î±-amylase and Î±-glucosidase dual inhibitory activities of 4-amino-1,2,4-triazole derivatives their molecular docking and kinetic studies. Bioorganic and Medicinal Chemistry, 2020, 28, 115467.	1.4	42

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91	5-Acetyl-6-methyl-4-aryl-3,4-dihydropyrimidin-2(1 H)-ones: As potent urease inhibitors; synthesis, in vitro screening, and molecular modeling study. Bioorganic Chemistry, 2018, 76, 37-52.	2.0	41
92	Indole acrylonitriles as potential anti-hyperglycemic agents: Synthesis, Î±-glucosidase inhibitory activity and molecular docking studies. Bioorganic and Medicinal Chemistry, 2020, 28, 115605.	1.4	41
93	Expeditious Method for Synthesis of Symmetrical 1,3â€Disubstituted Ureas and Thioureas. Synthetic Communications, 2005, 35, 1663-1674.	1.1	40
94	Synthesis and evaluation of unsymmetrical heterocyclic thioureas as potent Î²-glucuronidase inhibitors. Medicinal Chemistry Research, 2015, 24, 3166-3173.	1.1	40
95	Phenoxyacetohydrazide Schiff Bases: Î²-Glucuronidase Inhibitors. Molecules, 2014, 19, 8788-8802.	1.7	39
96	Synthesis of triazole Schiff bases: Novel inhibitors of nucleotide pyrophosphatase/phosphodiesterase-1. Bioorganic and Medicinal Chemistry, 2014, 22, 6509-6514.	1.4	39
97	Dihydropyrimidones: As novel class of Î²-glucuronidase inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 3624-3635.	1.4	39
98	Chalcones and bis-chalcones: As potential Î±-amylase inhibitors; synthesis, in vitro screening, and molecular modelling studies. Bioorganic Chemistry, 2018, 79, 179-189.	2.0	39
99	Synthesis of azachalcones, their Î±-amylase, Î±-glucosidase inhibitory activities, kinetics, and molecular docking studies. Bioorganic Chemistry, 2021, 106, 104489.	2.0	39
100	An improved method for the synthesis of Î³-lactones using sodium bromate and sodium hydrogen sulfite. Tetrahedron Letters, 2001, 42, 1647-1649.	0.7	38
101	Organotin(IV) Complexes of Aniline Derivatives. I. Synthesis, Spectral and Antibacterial Studies of Diâ€• and Triorganotin(IV) Derivatives of 4â€Bromomaleanilic Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2003, 33, 1221-1235.	1.8	38
102	Synthesis, Crystal Structure, DFT Studies and Evaluation of the Antioxidant Activity of 3,4-Dimethoxybenzenamine Schiff Bases. Molecules, 2014, 19, 8414-8433.	1.7	38
103	Flurbiprofen derivatives as novel Î±-amylase inhibitors: Biology-oriented drug synthesis (BIODS), in vitro, and in silico evaluation. Bioorganic Chemistry, 2018, 81, 157-167.	2.0	38
104	2,4,6-Trichlorophenylhydrazine Schiff Bases as DPPH Radical and Super Oxide Anion Scavengers. Medicinal Chemistry, 2012, 8, 452-461.	0.7	38
105	Synthesis of Benzophenonehydrazone Schiff Bases and their In Vitro Antiglycating Activities. Medicinal Chemistry, 2013, 9, 588-595.	0.7	38
106	Evaluation of 2-indolcarbohydrazones as potent Î±-glucosidase inhibitors, in silico studies and DFT based stereochemical predictions. Bioorganic Chemistry, 2015, 63, 24-35.	2.0	37
107	Synthesis, in vitro Î±-glucosidase inhibitory activity and molecular docking studies of new thiazole derivatives. Bioorganic Chemistry, 2016, 68, 245-258.	2.0	37
108	Molecular hybridization conceded exceptionally potent quinolinyl-oxadiazole hybrids through phenyl linked thiosemicarbazide antileishmanial scaffolds: In silico validation and SAR studies. Bioorganic Chemistry, 2017, 71, 192-200.	2.0	37

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109	Synthesis of piperazine sulfonamide analogs as diabetic-II inhibitors and their molecular docking study. European Journal of Medicinal Chemistry, 2017, 141, 530-537.	2.6	37
110	New Hybrid Scaffolds based on Hydrazinyl Thiazole Substituted Coumarin; As Novel Leads of Dual Potential; In Vitro Î±-Amylase Inhibitory and Antioxidant (DPPH and ABTS Radical Scavenging) Activities. Medicinal Chemistry, 2019, 15, 87-101.	0.7	37
111	Synthesis, characterization, and biological studies of tri- and diorganotin(IV) complexes with 2?,4?-difluoro-4-hydroxy-[1,1?]-biphenyle-3-carbolic acid: Crystal structure of [(CH3)3Sn(C13H7O3F2)]. Heteroatom Chemistry, 2002, 13, 638-649.	0.4	36
112	Acylhydrazide Schiff Bases: DPPH Radical and Superoxide Anion Scavengers. Medicinal Chemistry, 2012, 8, 705-710.	0.7	36
113	Dihydropyrimidine based hydrazine dihydrochloride derivatives as potent urease inhibitors. Bioorganic Chemistry, 2016, 64, 85-96.	2.0	35
114	Oxindole Derivatives: Synthesis and Antiglycation Activity. Medicinal Chemistry, 2013, 9, 681-688.	0.7	35
115	Synthesis and molecular modelling studies of phenyl linked oxadiazole-phenylhydrazone hybrids as potent antileishmanial agents. European Journal of Medicinal Chemistry, 2017, 126, 1021-1033.	2.6	34
116	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
117	Synthesis, structure-activity relationship and molecular docking studies of 3-O-flavonol glycosides as cholinesterase inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 3696-3706.	1.4	34
118	Synthesis, in vitro Î±-amylase inhibitory, and radicals (DPPH & ABTS) scavenging potentials of new N-sulfonohydrazide substituted indazoles. Bioorganic Chemistry, 2020, 94, 103410.	2.0	34
119	Structure-based design, synthesis and biological evaluation of Î²-glucuronidase inhibitors. Journal of Computer-Aided Molecular Design, 2014, 28, 577-585.	1.3	33
120	Synthesis, molecular docking study and in vitro thymidine phosphorylase inhibitory potential of oxadiazole derivatives. Bioorganic Chemistry, 2018, 78, 58-67.	2.0	33
121	Synthesis of 2,4,6-Trichlorophenyl Hydrazones and their Inhibitory Potential Against Glycation of Protein. Medicinal Chemistry, 2011, 7, 572-580.	0.7	33
122	Selective cleavage of t-butyldiphenylsilyl ethers in the presence of t-butyldimethylsilyl ethers.. Tetrahedron Letters, 1990, 31, 1669-1670.	0.7	32
123	Synthesis, Î±-glycosidase inhibitory potential and molecular docking study of benzimidazole derivatives. Bioorganic Chemistry, 2020, 95, 103555.	2.0	32
124	Synthesis of indole-based-thiadiazole derivatives as a potent inhibitor of Î±-glucosidase enzyme along with in silico study. Bioorganic Chemistry, 2021, 108, 104638.	2.0	32
125	.BETA.-N-Cyanoethyl Acyl Hydrazide Derivatives: A New Class of .BETA.-Glucuronidase Inhibitors.. Chemical and Pharmaceutical Bulletin, 2002, 50, 1443-1446.	0.6	31
126	An efficient approach towards syntheses of ethers and esters using CsFâ€“Celite as a solid base. Tetrahedron Letters, 2002, 43, 8603-8606.	0.7	31

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127	Syntheses, in vitro evaluation and molecular docking studies of 5-bromo-2-aryl benzimidazoles as Î±-glucosidase inhibitors. Medicinal Chemistry Research, 2016, 25, 2058-2069.	1.1	31
128	Copper-catalyzed cross-dehydrogenative coupling of pyridine N-oxides with cyclic ethers. Journal of Organometallic Chemistry, 2016, 801, 10-13.	0.8	31
129	Synthesis, In vitro Î±-Glucosidase Inhibitory Potential and Molecular Docking Studies of 2-Amino-1,3,4-Oxadiazole Derivatives. Medicinal Chemistry, 2020, 16, 724-734.	0.7	31
130	An expedient esterification of aromatic carboxylic acids using sodium bromate and sodium hydrogen sulfite. Tetrahedron, 2003, 59, 5549-5554.	1.0	30
131	A patent update on therapeutic applications of urease inhibitors (2012â€“2018). Expert Opinion on Therapeutic Patents, 2019, 29, 181-189.	2.4	30
132	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
133	Synthesis and screening of (E)-3-(2-benzylidenehydrazinyl)-5,6-diphenyl-1,2,4-triazine analogs as novel dual inhibitors of Î±-amylase and Î±-glucosidase. Bioorganic Chemistry, 2020, 101, 103979.	2.0	29
134	Design, synthesis, and urease inhibition studies of a series of 4-amino-5-aryl-3H-1,2,4-triazole-3-thiones. Monatshefte FÃ¼r Chemie, 2010, 141, 479-484.	0.9	28
135	Synthesis of 3-ferrocenylaniline: DNA interaction, antibacterial, and antifungal activity. Medicinal Chemistry Research, 2013, 22, 3154-3159.	1.1	28
136	Pd-catalyzed dehydrogenative cross-coupling of pyridine-N-oxides with uracils. RSC Advances, 2014, 4, 13764.	1.7	28
137	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
138	Synthetic nicotinic/isonicotinic thiosemicarbazides: In vitro urease inhibitory activities and molecular docking studies. Bioorganic Chemistry, 2018, 79, 34-45.	2.0	28
139	Synthesis, and In Vitro and In Silico Î±-Glucosidase Inhibitory Studies of 5-Chloro-2-Aryl Benzo[d]thiazoles. Bioorganic Chemistry, 2018, 78, 269-279.	2.0	28
140	Urease and Î±-Chymotrypsin Inhibitory Effects of Selected Urea Derivatives. Letters in Drug Design and Discovery, 2008, 5, 401-405.	0.4	28
141	A facile and improved synthesis of sildenafil (Viagraï¿½) analogs through solid support microwave irradiation possessing tyrosinase inhibitory potential, their conformational analysis and molecular dynamics simulation studies. Molecular Diversity, 2005, 9, 15-26.	2.1	27
142	Synthesis and anti-inflammatory activity of some selected aminothiophene analogs. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 139-143.	2.5	27
143	Evaluation of Silica-H2SO4 as an Efficient Heterogeneous Catalyst for the Synthesis of Chalcones. Molecules, 2013, 18, 10081-10094.	1.7	27
144	Synthesis, in vitro urease inhibitory activity, and molecular docking studies of thiourea and urea derivatives. Bioorganic Chemistry, 2018, 80, 129-144.	2.0	27

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145	Syntheses, in vitro urease inhibitory activities of urea and thiourea derivatives of tryptamine, their molecular docking and cytotoxic studies. Bioorganic Chemistry, 2019, 83, 595-610.	2.0	27
146	Aryl-oxadiazole Schiff bases: Synthesis, Î±-glucosidase in vitro inhibitory activity and their in silico studies. Arabian Journal of Chemistry, 2020, 13, 4904-4915.	2.3	27
147	Schiff Bases of 3-Formylchromones as Antibacterial, Antifungal, and Phytotoxic Agents (Supplementry) Tj ETQq1 1 0.784314 rgBT /Over	0.4	27
148	Synthesis and in silico studies of novel sulfonamides having oxadiazole ring: As Î² -glucuronidase inhibitors. Bioorganic Chemistry, 2017, 71, 86-96.	2.0	26
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