Naveed Ahmed Khan

List of Publications by Citations

604 papers	12,484 citations	53 h-index	82 g-index
655 ext. papers	15,252 ext. citations	3.9 avg, IF	6.99 L-index

#	Paper	IF	Citations
604	Acanthamoeba: biology and increasing importance in human health. *FEMS Microbiology Reviews*, **2006**, 30, 564-95	15.1	521
603	An update on Acanthamoeba keratitis: diagnosis, pathogenesis and treatment. *Parasite*, **2015**, 22, 10	3	339
602	Biology and pathogenesis of Acanthamoeba. *Parasites and Vectors*, **2012**, 5, 6	4	314
601	Load forecasting, dynamic pricing and DSM in smart grid: A review. *Renewable and Sustainable Energy Reviews*, **2016**, 54, 1311-1322	16.2	211
600	Biscoumarin: new class of urease inhibitors; economical synthesis and activity. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 1963-8	3.4	165
599	Pathogenesis of Acanthamoeba infections. *Microbial Pathogenesis*, **2003**, 34, 277-85	3.8	134
598	Synthesis of novel inhibitors of -glucosidase based on the benzothiazole skeleton containing benzohydrazide moiety and their molecular docking studies. *European Journal of Medicinal Chemistry*, **2015**, 92, 387-400	6.8	128
597	Cytotoxic necrotizing factor-1 contributes to Escherichia coli K1 invasion of the central nervous system. *Journal of Biological Chemistry*, **2002**, 277, 15607-12	5.4	127
596	Acanthamoeba genotype T4 from the UK and Iran and isolation of the T2 genotype from clinical isolates. *Journal of Medical Microbiology*, **2005**, 54, 755-759	3.2	117
595	Schiff bases in medicinal chemistry: a patent review (2010-2015). *Expert Opinion on Therapeutic Patents*, **2017**, 27, 63-79	6.8	112
594	Tracking Five Millennia of Horse Management with Extensive Ancient Genome Time Series. *Cell*, **2019**, 177, 1419-1435.e31	56.2	110
593	Isatin based Schiff bases as inhibitors of -glucosidase: Synthesis, characterization, in vitro evaluation and molecular docking studies. *Bioorganic Chemistry*, **2015**, 60, 42-8	5.1	106
592	Synthesis of bis-Schiff bases of isatins and their antiglycation activity. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 7795-801	3.4	105
591	Synthesis and molecular docking studies of potent -glucosidase inhibitors based on biscoumarin skeleton. *European Journal of Medicinal Chemistry*, **2014**, 81, 245-52	6.8	103
590	Increasing importance of Balamuthia mandrillaris. *Clinical Microbiology Reviews*, **2008**, 21, 435-48	34	100
589	Proteases as markers for differentiation of pathogenic and nonpathogenic species of Acanthamoeba. *Journal of Clinical Microbiology*, **2000**, 38, 2858-61	9.7	96
588	Escherichia coli K1 RS218 interacts with human brain microvascular endothelial cells via type 1 fimbria bacteria in the fimbriated state. *Infection and Immunity*, **2005**, 73, 2923-31	3.7	95

587	Pathogenesis of microbial keratitis. *Microbial Pathogenesis*, **2017**, 104, 97-109	3.8	94
586	Quinazoline and quinazolinone as important medicinal scaffolds: a comparative patent review (2011-2016). *Expert Opinion on Therapeutic Patents*, **2018**, 28, 281-297	6.8	90
585	Combined emission economic dispatch of power system including solar photo voltaic generation. *Energy Conversion and Management*, **2015**, 92, 82-91	10.6	90
584	Acanthamoeba castellanii induces host cell death via a phosphatidylinositol 3-kinase-dependent mechanism. *Infection and Immunity*, **2005**, 73, 2704-8	3.7	86
583	Schiff bases of 3-formylchromone as thymidine phosphorylase inhibitors. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 2983-8	3.4	85
582	Acanthamoeba interactions with human brain microvascular endothelial cells. *Microbial Pathogenesis*, **2003**, 35, 235-41	3.8	85
581	Synthesis of novel inhibitors of β-glucuronidase based on benzothiazole skeleton and study of their binding affinity by molecular docking. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 4286-94	3.4	84
580	Tetraketones: a new class of tyrosinase inhibitors. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 344-51	3.4	83
579	Pathogenicity, morphology, and differentiation of Acanthamoeba. *Current Microbiology*, **2001**, 43, 391-5	2.4	82
578	Biology and pathogenesis of Naegleria fowleri. *Acta Tropica*, **2016**, 164, 375-394	3.2	81
577	Synthesis and in vitro urease inhibitory activity of N,N′-disubstituted thioureas. *European Journal of Medicinal Chemistry*, **2014**, 74, 314-23	6.8	80
576	Triazinoindole analogs as potent inhibitors of α-glucosidase: synthesis, biological evaluation and molecular docking studies. *Bioorganic Chemistry*, **2015**, 58, 81-7	5.1	79
575	Oxazolones: new tyrosinase inhibitors; synthesis and their structure-activity relationships. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 6027-33	3.4	79
574	Molecular and physiological differentiation between pathogenic and nonpathogenic Acanthamoeba. *Current Microbiology*, **2002**, 45, 197-202	2.4	77
573	Determination of free phenolic acids and antioxidant activity of methanolic extracts obtained from fruits and leaves of Chenopodium album. *Food Chemistry*, **2011**, 126, 1850-5	8.5	72
572	Escherichia coli interactions with Acanthamoeba: a symbiosis with environmental and clinical implications. *Journal of Medical Microbiology*, **2006**, 55, 689-694	3.2	70
571	Synthesis, in vitro evaluation and molecular docking studies of thiazole derivatives as new inhibitors of α-glucosidase. *Bioorganic Chemistry*, **2015**, 62, 15-21	5.1	69
570	Synthesis, α-glucosidase inhibition and molecular docking study of coumarin based derivatives. *Bioorganic Chemistry*, **2018**, 77, 586-592	5.1	69

569	FimH-mediated Escherichia coli K1 invasion of human brain microvascular endothelial cells. *Cellular Microbiology*, **2007**, 9, 169-78	3.9	69
568	Synthesis of novel derivatives of oxindole, their urease inhibition and molecular docking studies. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 3285-9	2.9	68
567	Acanthamoeba can be differentiated by the polymerase chain reaction and simple plating assays. *Current Microbiology*, **2001**, 43, 204-8	2.4	67
566	Primary amoebic meningoencephalitis caused by Naegleria fowleri: an old enemy presenting new challenges. *PLoS Neglected Tropical Diseases*, **2014**, 8, e3017	4.8	65
565	Synthesis of coumarin derivatives with cytotoxic, antibacterial and antifungal activity. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2004**, 19, 373-9	5.6	65
564	Acanthamoeba affects the integrity of human brain microvascular endothelial cells and degrades the tight junction proteins. *International Journal for Parasitology*, **2009**, 39, 1611-6	4.3	62
563	Synthesis of new oxadiazole derivatives as -glucosidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 4155-4162	3.4	61
562	Syntheses of new 3-thiazolyl coumarin derivatives, in-vitro -glucosidase inhibitory activity, and molecular modeling studies. *European Journal of Medicinal Chemistry*, **2016**, 122, 196-204	6.8	59
561	Brain-Eating Amoebae: Silver Nanoparticle Conjugation Enhanced Efficacy of Anti-Amoebic Drugs against Naegleria fowleri. *ACS Chemical Neuroscience*, **2017**, 8, 2626-2630	5.7	59
560	Outer membrane protein A and cytotoxic necrotizing factor-1 use diverse signaling mechanisms for Escherichia coli K1 invasion of human brain microvascular endothelial cells. *Microbial Pathogenesis*, **2003**, 35, 35-42	3.8	59
559	Antimicrobial activities of green synthesized gums-stabilized nanoparticles loaded with flavonoids. *Scientific Reports*, **2019**, 9, 3122	4.9	58
558	Synthesis of diethyl 4-substituted-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylates as a new series of inhibitors against yeast -glucosidase. *European Journal of Medicinal Chemistry*, **2015**, 95, 199-209	6.8	58
557	Synthesis of novel bisindolylmethane Schiff bases and their antibacterial activity. *Molecules*, **2014**, 19, 11722-40	4.8	57
556	In vitro pathogenicity of Acanthamoeba is associated with the expression of the mannose-binding protein. *Investigative Ophthalmology and Visual Science*, **2006**, 47, 1056-62		57
555	Carbohydrate analysis of Acanthamoeba castellanii. *Experimental Parasitology*, **2009**, 122, 338-43	2.1	56
554	The Development of Drugs against Acanthamoeba Infections. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 6441-6450	5.9	55
553	Post-mortem culture of Balamuthia mandrillaris from the brain and cerebrospinal fluid of a case of granulomatous amoebic meningoencephalitis, using human brain microvascular endothelial cells. *Journal of Medical Microbiology*, **2004**, 53, 1007-1012	3.2	54
552	Synthesis, molecular docking and -glucosidase inhibition of 5-aryl-2-(6'-nitrobenzofuran-2'-yl)-1,3,4-oxadiazoles. *Bioorganic Chemistry*, **2016**, 66, 117-23	5.1	54

551	Balamuthia amoebic encephalitis: an emerging disease with fatal consequences. *Microbial Pathogenesis*, **2008**, 44, 89-97	3.8	53
550	Brain-Eating Amoebae: Predilection Sites in the Brain and Disease Outcome. *Journal of Clinical Microbiology*, **2017**, 55, 1989-1997	9.7	52
549	Novel 2,5-disubtituted-1,3,4-oxadiazoles with benzimidazole backbone: a new class of □glucuronidase inhibitors and in silico studies. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 3119-25	3.4	52
548	Hydrazinyl arylthiazole based pyridine scaffolds: Synthesis, structural characterization, in□vitro □glucosidase inhibitory activity, and in silico studies. *European Journal of Medicinal Chemistry*, **2017** , 138, 255-272	6.8	51
547	Synthesis, In vitro and Docking Studies of New Flavone Ethers as □Glucosidase Inhibitors. *Chemical Biology and Drug Design*, **2016**, 87, 361-73	2.9	50
546	Synthesis and □glucuronidase inhibitory activity of 2-arylquinazolin-4(3H)-ones. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 3449-54	3.4	49
545	Extracellular proteases of Acanthamoeba castellanii (encephalitis isolate belonging to T1 genotype) contribute to increased permeability in an in vitro model of the human blood-brain barrier. *Journal of Infection*, **2005**, 51, 150-6	18.9	49
544	Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. *Bioorganic Chemistry*, **2015**, 61, 51-7	5.1	47
543	Biology-oriented drug synthesis (BIODS) of 2-(2-methyl-5-nitro-1H-imidazol-1-yl)ethyl aryl ether derivatives, in vitro □amylase inhibitory activity and in silico studies. *Bioorganic Chemistry*, **2017**, 74, 1-9	5.1	47
542	5-Bromo-2-aryl benzimidazole derivatives as non-cytotoxic potential dual inhibitors of □glucosidase and urease enzymes. *Bioorganic Chemistry*, **2017**, 72, 21-31	5.1	46
541	Synthesis, biological evaluation, and docking studies of novel thiourea derivatives of bisindolylmethane as carbonic anhydrase II inhibitor. *Bioorganic Chemistry*, **2015**, 62, 83-93	5.1	45
540	Identification and properties of proteases from an Acanthamoeba isolate capable of producing granulomatous encephalitis. *BMC Microbiology*, **2006**, 6, 42	4.5	45
539	Multicomponent reactions (MCR) in medicinal chemistry: a patent review (2010-2020). *Expert Opinion on Therapeutic Patents*, **2021**, 31, 267-289	6.8	45
538	Evaluation of bisindole as potent □glucuronidase inhibitors: synthesis and in silico based studies. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 1825-9	2.9	44
537	Acanthamoeba is an evolutionary ancestor of macrophages: a myth or reality?. *Experimental Parasitology*, **2012**, 130, 95-7	2.1	43
536	In vitro efficacies of clinically available drugs against growth and viability of an Acanthamoeba castellanii keratitis isolate belonging to the T4 genotype. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 3561-7	5.9	43
535	Synthesis of benzotriazoles derivatives and their dual potential as □amylase and □glucosidase inhibitors in□vitro: Structure-activity relationship, molecular docking, and kinetic studies. *European Journal of Medicinal Chemistry*, **2019**, 183, 111677	6.8	42
534	Oxadiazoles and thiadiazoles: novel □glucosidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 5454-65	3.4	42

533	2-(2?-Pyridyl) benzimidazole derivatives and their urease inhibitory activity. *Medicinal Chemistry Research*, **2014**, 23, 4447-4454	2.2	41
532	Synthesis, -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	5.1	41
531	Balamuthia mandrillaris exhibits metalloprotease activities. *FEMS Immunology and Medical Microbiology*, **2006**, 47, 83-91		41
530	Synthesis, in vitro -glucosidase inhibitory potential and molecular docking study of thiadiazole analogs. *Bioorganic Chemistry*, **2018**, 78, 201-209	5.1	40
529	Synthesis and in vitro acetylcholinesterase and butyrylcholinesterase inhibitory potential of hydrazide based Schiff bases. *Bioorganic Chemistry*, **2016**, 68, 30-40	5.1	40
528	Identification and characterization of antibacterial compound(s) of cockroaches (Periplaneta americana). *Applied Microbiology and Biotechnology*, **2017**, 101, 253-286	5.7	40
527	Synthesis, -glucuronidase inhibition and molecular docking studies of hybrid bisindole-thiosemicarbazides analogs. *Bioorganic Chemistry*, **2016**, 68, 56-63	5.1	40
526	Synthesis and evaluation of unsymmetrical heterocyclic thioureas as potent -glucuronidase inhibitors. *Medicinal Chemistry Research*, **2015**, 24, 3166-3173	2.2	39
525	Synthesis of novel benzohydrazone-oxadiazole hybrids as -glucuronidase inhibitors and molecular modeling studies. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7394-404	3.4	39
524	The Evolutionary Origin and Genetic Makeup of Domestic Horses. *Genetics*, **2016**, 204, 423-434	4	39
523	2-Arylquinazolin-4(3H)-ones: A new class of -glucosidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7417-21	3.4	38
522	Synthesis of 6-chloro-2-Aryl-1H-imidazo[4,5-b]pyridine derivatives: Antidiabetic, antioxidant, -glucuronidase inhibiton and their molecular docking studies. *Bioorganic Chemistry*, **2016**, 65, 48-56	5.1	38
521	Acanthamoeba and the blood-brain barrier: the breakthrough. *Journal of Medical Microbiology*, **2008**, 57, 1051-1057	3.2	38
520	The role of proteases in the differentiation of Acanthamoeba castellanii. *FEMS Microbiology Letters*, **2008**, 286, 9-15	2.9	38
519	Oxindole based oxadiazole hybrid analogs: Novel -glucosidase inhibitors. *Bioorganic Chemistry*, **2018**, 76, 273-280	5.1	38
518	Cytotoxic effects of aflatoxin B1 on human brain microvascular endothelial cells of the blood-brain barrier. *Medical Mycology*, **2015**, 53, 409-16	3.9	37
517	2-Aryl benzimidazoles: Synthesis, In-vitro -amylase inhibitory activity, and molecular docking study. *European Journal of Medicinal Chemistry*, **2018**, 150, 248-260	6.8	37
516	New Hybrid Hydrazinyl Thiazole Substituted Chromones: As Potential -Amylase Inhibitors and Radical (DPPH & ABTS) Scavengers. *Scientific Reports*, **2017**, 7, 16980	4.9	36

515	Synthesis and structure-activity relationship of thiobarbituric acid derivatives as potent inhibitors of urease. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 4119-23	3.4	36
514	Synthesis, -glucosidase inhibitory, cytotoxicity and docking studies of 2-aryl-7-methylbenzimidazoles. *Bioorganic Chemistry*, **2016**, 65, 100-9	5.1	35
513	Gold Nanoparticle Conjugation Enhances the Antiacanthamoebic Effects of Chlorhexidine. *Antimicrobial Agents and Chemotherapy*, **2015**, 60, 1283-8	5.9	35
512	Water-pipe smoking and metabolic syndrome: a population-based study. *PLoS ONE*, **2012**, 7, e39734	3.7	35
511	Molecular modeling-based antioxidant arylidene barbiturates as urease inhibitors. *Journal of Molecular Graphics and Modelling*, **2011**, 30, 153-6	2.8	34
510	Acanthamoeba castellanii: high antibody prevalence in racially and ethnically diverse populations. *Experimental Parasitology*, **2009**, 121, 254-6	2.1	34
509	Acanthamoeba isolates belonging to T1, T2, T3, T4 but not T7 encyst in response to increased osmolarity and cysts do not bind to human corneal epithelial cells. *Acta Tropica*, **2005**, 95, 100-8	3.2	34
508	2,4,6-Trichlorophenylhydrazine Schiff bases as DPPH radical and super oxide anion scavengers. *Medicinal Chemistry*, **2012**, 8, 452-61	1.8	34
507	Synthesis of benzophenonehydrazone Schiff bases and their in vitro antiglycating activities. *Medicinal Chemistry*, **2013**, 9, 588-95	1.8	34
506	Silver nanoparticle conjugation affects antiacanthamoebic activities of amphotericin B, nystatin, and fluconazole. *Parasitology Research*, **2018**, 117, 265-271	2.4	33
505	Synthesis of Bis-indolylmethane sulfonohydrazides derivatives as potent -Glucosidase inhibitors. *Bioorganic Chemistry*, **2018**, 80, 112-120	5.1	33
504	High entropy alloy thin films of AlCoCrCu0.5FeNi with controlled microstructure. *Applied Surface Science*, **2019**, 495, 143560	6.7	33
503	Discovery of novel oxindole derivatives as potent -glucosidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 3441-8	3.4	33
502	The capsule plays an important role in Escherichia coli K1 interactions with Acanthamoeba. *International Journal for Parasitology*, **2007**, 37, 417-23	4.3	33
501	Mechanisms associated with Acanthamoeba castellanii (T4) phagocytosis. *Parasitology Research*, **2005**, 96, 402-9	2.4	33
500	Genotypic, phenotypic, biochemical, physiological and pathogenicity-based categorisation of Acanthamoeba strains. *Folia Parasitologica*, **2003**, 50, 97-104	1.8	33
499	Leptospirosis: Increasing importance in developing countries. *Acta Tropica*, **2020**, 201, 105183	3.2	33
498	Gold Nanoparticle-Conjugated Cinnamic Acid Exhibits Antiacanthamoebic and Antibacterial Properties. *Antimicrobial Agents and Chemotherapy*, **2018**, 62,	5.9	32

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496	Crocodiles and alligators: Antiamoebic and antitumor compounds of crocodiles. *Experimental Parasitology*, **2017**, 183, 194-200	2.1	32
495	Cellulose biosynthesis pathway is a potential target in the improved treatment of Acanthamoeba keratitis. *Applied Microbiology and Biotechnology*, **2007**, 75, 133-40	5.7	32
494	Ecto-ATPases of clinical and non-clinical isolates of Acanthamoeba. *Microbial Pathogenesis*, **2004**, 37, 231-9	3.8	32
493	Acylhydrazide Schiff bases: DPPH radical and superoxide anion scavengers. *Medicinal Chemistry*, **2012**, 8, 705-10	1.8	32
492	Bisindolylmethane thiosemicarbazides as potential inhibitors of urease: Synthesis and molecular modeling studies. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 152-160	3.4	32
491	2'-Aryl and 4'-arylidene substituted pyrazolones: As potential □amylase inhibitors. *European Journal of Medicinal Chemistry*, **2018**, 159, 47-58	6.8	32
490	Cellulose degradation: a therapeutic strategy in the improved treatment of Acanthamoeba infections. *Parasites and Vectors*, **2015**, 8, 23	4	31
489	Dihydropyrano [2,3-c] pyrazole: Novel in vitro inhibitors of yeast □glucosidase. *Bioorganic Chemistry*, **2016**, 65, 61-72	5.1	31
488	Protozoa traversal of the blood-brain barrier to invade the central nervous system. *FEMS Microbiology Reviews*, **2010**, 34, 532-53	15.1	31
487	A Novel Prosumer-Based Energy Sharing and Management (PESM) Approach for Cooperative Demand Side Management (DSM) in Smart Grid. *Applied Sciences (Switzerland)*, **2016**, 6, 275	2.6	31
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485	Biocompatible Tin Oxide Nanoparticles: Synthesis, Antibacterial, Anticandidal and Cytotoxic Activities. *ChemistrySelect*, **2019**, 4, 4013-4017	1.8	30
484	Evaluation of 2-indolcarbohydrazones as potent □glucosidase inhibitors, in silico studies and DFT based stereochemical predictions. *Bioorganic Chemistry*, **2015**, 63, 24-35	5.1	30
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482	Synthesis, in vitro □glucosidase inhibitory activity and molecular docking studies of new thiazole derivatives. *Bioorganic Chemistry*, **2016**, 68, 245-58	5.1	30
481	Dihydropyrimidones: As novel class of □glucuronidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 3624-35	3.4	30
480	Combating Acanthamoeba spp. cysts: what are the options?. *Parasites and Vectors*, **2018**, 11, 26	4	30

479	Acanthamoeba invasion of the central nervous system. *International Journal for Parasitology*, **2007**, 37, 131-8	4.3	30
478	Expeditious Method for Synthesis of Symmetrical 1,3-Disubstituted Ureas and Thioureas. *Synthetic Communications*, **2005**, 35, 1663-1674	1.7	30
477	Molecular tools for speciation and epidemiological studies of Acanthamoeba. *Current Microbiology*, **2002**, 44, 444-9	2.4	30
476	Silver Nanoparticle Conjugation-Enhanced Antibacterial Efficacy of Clinically Approved Drugs Cephradine and Vildagliptin. *Antibiotics*, **2018**, 7,	4.9	30
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470	Human Immunodeficiency Virus Type 1 Tat-Mediated Cytotoxicity of Human Brain Microvascular Endothelial Cells. *Journal of NeuroVirology*, **2003**, 9, 584-593	3.9	28
469	Beta-N-cyanoethyl acyl hydrazide derivatives: a new class of beta-glucuronidase inhibitors. *Chemical and Pharmaceutical Bulletin*, **2002**, 50, 1443-6	1.9	28
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465	Synthesis of 3-ferrocenylaniline: DNA interaction, antibacterial, and antifungal activity. *Medicinal Chemistry Research*, **2013**, 22, 3154-3159	2.2	27
464	War of the microbial worlds: who is the beneficiary in Acanthamoeba-bacterial interactions?. *Experimental Parasitology*, **2012**, 130, 311-3	2.1	27
463	Combined drug therapy in the management of granulomatous amoebic encephalitis due to Acanthamoeba spp., and Balamuthia mandrillaris. *Experimental Parasitology*, **2014**, 145 Suppl, S115-20	2.1	26
462	Synthesis, □glycosidase inhibitory potential and molecular docking study of benzimidazole derivatives. *Bioorganic Chemistry*, **2020**, 95, 103555	5.1	26

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460	Synthesis of gold nanoparticles stabilized by a pyrazinium thioacetate ligand: A new colorimetric nanosensor for detection of heavy metal Pd(II). *Sensors and Actuators B: Chemical*, **2018**, 257, 875-881	8.5	26
459	Synthesis, molecular docking study and in vitro thymidine phosphorylase inhibitory potential of oxadiazole derivatives. *Bioorganic Chemistry*, **2018**, 78, 58-67	5.1	25
458	Pd-catalyzed dehydrogenative cross-coupling of pyridine-N-oxides with uracils. *RSC Advances*, **2014**, 4, 13764	3.7	25
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456	Synthesis, structure-activity relationship and molecular docking studies of 3-O-flavonol glycosides as cholinesterase inhibitors. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 3696-3706	3.4	24
455	Status of free-living amoebae (Acanthamoeba spp., Naegleria fowleri, Balamuthia mandrillaris) in drinking water supplies in Karachi, Pakistan. *Journal of Water and Health*, **2013**, 11, 371-5	2.2	24
454	Gp120-mediated cytotoxicity of human brain microvascular endothelial cells is dependent on p38 mitogen-activated protein kinase activation. *Journal of NeuroVirology*, **2007**, 13, 242-51	3.9	24
453	Effect of antimicrobial compounds on Balamuthia mandrillaris encystment and human brain microvascular endothelial cell cytopathogenicity. *Antimicrobial Agents and Chemotherapy*, **2007**, 51, 4471-3	5.9	24
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451	Boron Nitride Doped Polyhydroxyalkanoate/Chitosan Nanocomposite for Antibacterial and Biological Applications. *Nanomaterials*, **2019**, 9,	5.4	23
450	5-Acetyl-6-methyl-4-aryl-3,4-dihydropyrimidin-2(1H)-ones: As potent urease inhibitors; synthesis, in vitro screening, and molecular modeling study. *Bioorganic Chemistry*, **2018**, 76, 37-52	5.1	23
449	Thiadiazole derivatives as New Class of β-glucuronidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 1909-18	3.4	23
448	Dihydropyrimidine based hydrazine dihydrochloride derivatives as potent urease inhibitors. *Bioorganic Chemistry*, **2016**, 64, 85-96	5.1	23
447	Chalcones and bis-chalcones: As potential α-amylase inhibitors; synthesis, in vitro screening, and molecular modelling studies. *Bioorganic Chemistry*, **2018**, 79, 179-189	5.1	23
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