Khalid Mohammed Khan

List of Publications by Citations

373 papers	8,257 citations	46 h-index	67 g-index
405 ext. papers	9,925 ext. citations	3.5 avg, IF	6.05 L-index

#	Paper	IF	Citations
373	Isatin-derived antibacterial and antifungal compounds and their transition metal complexes. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2004**, 19, 417-23	5.6	173
372	Biscoumarin: new class of urease inhibitors; economical synthesis and activity. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 1963-8	3.4	165
371	Structure-activity relationships of tyrosinase inhibitory combinatorial library of 2,5-disubstituted-1,3,4-oxadiazole analogues. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 3385-95	3.4	144
370	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
369	In-vitro antibacterial, antifungal and cytotoxic properties of sulfonamide--derived Schiff bases and their metal complexes. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2005**, 20, 183-8	5.6	118
368	Schiff bases in medicinal chemistry: a patent review (2010-2015). *Expert Opinion on Therapeutic Patents*, **2017**, 27, 63-79	6.8	112
367	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
366	Synthesis of bis-Schiff bases of isatins and their antiglycation activity. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 7795-801	3.4	105
365	N-Alkylation of anilines, carboxamides and several nitrogen heterocycles using CsF-celite/alkyl halides/CH3CN combination. *Tetrahedron*, **2001**, 57, 9951-9957	2.4	105
364	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
363	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
362	Schiff bases of 3-formylchromone as thymidine phosphorylase inhibitors. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 2983-8	3.4	85
361	3-Formylchromones: potential antiinflammatory agents. *European Journal of Medicinal Chemistry*, **2010**, 45, 4058-64	6.8	85
360	Synthesis of novel inhibitors of -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
359	Tetraketones: a new class of tyrosinase inhibitors. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 344-51	3.4	83
358	A novel method for the syntheses of symmetrical disulfides using CsF-celite as a solid base. *Tetrahedron Letters*, **2003**, 44, 6789-6791	2	81
357	Synthesis and in vitro urease inhibitory activity of N,N-disubstituted thioureas. *European Journal of Medicinal Chemistry*, **2014**, 74, 314-23	6.8	80

356	Triazinoindole analogs as potent inhibitors of -glucosidase: synthesis, biological evaluation and molecular docking studies. *Bioorganic Chemistry*, **2015**, 58, 81-7	5.1	79
355	Oxazolones: new tyrosinase inhibitors; synthesis and their structure-activity relationships. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 6027-33	3.4	79
354	Synthesis of antibacterial and antifungal cobalt(II), copper(II), nickel(II) and zinc(II) complexes with bis-(1,1?-disubstituted ferrocenyl)thiocarbohydrazone and bis-(1,1?-disubstituted ferrocenyl)carbohydrazone. *Applied Organometallic Chemistry*, **2004**, 18, 305-310	3.1	73
353	Microwave-metal interaction pyrolysis of polystyrene. *Journal of Analytical and Applied Pyrolysis*, **2010**, 89, 39-43	6	72
352	Synthesis, in vitro evaluation and molecular docking studies of thiazole derivatives as new inhibitors of -glucosidase. *Bioorganic Chemistry*, **2015**, 62, 15-21	5.1	69
351	Synthesis, -glucosidase inhibition and molecular docking study of coumarin based derivatives. *Bioorganic Chemistry*, **2018**, 77, 586-592	5.1	69
350	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
349	Synthesis of coumarin derivatives with cytotoxic, antibacterial and antifungal activity. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2004**, 19, 373-9	5.6	65
348	Synthesis crystal structure of 2-methoxybenzoylhydrazones and evaluation of their -glucosidase and urease inhibition potential. *Medicinal Chemistry Research*, **2015**, 24, 1310-1324	2.2	62
347	Synthesis of new oxadiazole derivatives as -glucosidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 4155-4162	3.4	61
346	Synthesis, molecular docking, acetylcholinesterase and butyrylcholinesterase inhibitory potential of thiazole analogs as new inhibitors for Alzheimer disease. *Bioorganic Chemistry*, **2015**, 62, 106-16	5.1	61
345	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
344	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
343	An alternative approach towards the syntheses of thioethers and thioesters using CsF-celite in acetonitrile. *Tetrahedron Letters*, **2002**, 43, 8281-8283	2	58
342	Synthesis of novel bisindolylmethane Schiff bases and their antibacterial activity. *Molecules*, **2014**, 19, 11722-40	4.8	57
341	The conversion of waste polystyrene into useful hydrocarbons by microwave-metal interaction pyrolysis. *Fuel Processing Technology*, **2012**, 94, 145-150	7.2	55
340	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, 848-54	5.6	55
339	Synthesis of novel derivatives of 4-methylbenzimidazole and evaluation of their biological activities. *European Journal of Medicinal Chemistry*, **2014**, 84, 731-8	6.8	54

338	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
337	Synthesis and anti-HIV activity of new chiral 1,2,4-triazoles and 1,3,4-thiadiazoles. *Heteroatom Chemistry*, **2007**, 18, 316-322	1.2	53
336	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
335	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
334	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
333	Synthesis and -glucuronidase inhibitory activity of 2-arylquinazolin-4(3H)-ones. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 3449-54	3.4	49
332	Palladium-catalyzed regioselective benzylation-annulation of pyridine N-oxides with toluene derivatives via multiple C-H bond activations: benzylation versus arylation. *Organic Letters*, **2015**, 17, 414-7	6.2	47
331	Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. *Bioorganic Chemistry*, **2015**, 61, 51-7	5.1	47
330	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
329	Chemistry, urease inhibition, and phytotoxic studies of binuclear vanadium(IV) complexes. *Chemistry and Biodiversity*, **2007**, 4, 58-71	2.5	47
328	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
327	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
326	Synthesis of 2-methoxybenzoylhydrazone and evaluation of their antileishmanial activity. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 3463-6	2.9	45
325	Multicomponent reactions (MCR) in medicinal chemistry: a patent review (2010-2020). *Expert Opinion on Therapeutic Patents*, **2021**, 31, 267-289	6.8	45
324	Synthesis of 4-thiazolidinone analogs as potent in vitro anti-urease agents. *Bioorganic Chemistry*, **2015**, 63, 123-31	5.1	44
323	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
322	Co-liquefaction of Makarwal coal and waste polystyrene by microwave-metal interaction pyrolysis in copper coil reactor. *Journal of Analytical and Applied Pyrolysis*, **2011**, 90, 53-55	6	44
321	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, 572-6	5.6	44

320	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
319	Oxadiazoles and thiadiazoles: novel -glucosidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 5454-65	3.4	42
318	2-(2?-Pyridyl) benzimidazole derivatives and their urease inhibitory activity. *Medicinal Chemistry Research*, **2014**, 23, 4447-4454	2.2	41
317	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
316	Unsymmetrically disubstituted urea derivatives: a potent class of antiglycating agents. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 2447-51	3.4	41
315	Synthesis, in vitro -glucosidase inhibitory potential and molecular docking study of thiadiazole analogs. *Bioorganic Chemistry*, **2018**, 78, 201-209	5.1	40
314	Synthesis and in vitro acetylcholinesterase and butyrylcholinesterase inhibitory potential of hydrazide based Schiff bases. *Bioorganic Chemistry*, **2016**, 68, 30-40	5.1	40
313	Synthesis, -glucuronidase inhibition and molecular docking studies of hybrid bisindole-thiosemicarbazides analogs. *Bioorganic Chemistry*, **2016**, 68, 56-63	5.1	40
312	Synthesis and evaluation of unsymmetrical heterocyclic thioureas as potent -glucuronidase inhibitors. *Medicinal Chemistry Research*, **2015**, 24, 3166-3173	2.2	39
311	Synthesis of novel benzohydrazone-oxadiazole hybrids as -glucuronidase inhibitors and molecular modeling studies. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7394-404	3.4	39
310	Synthesis and biological evaluation of some new N(4)-substituted isatin-3-thiosemicarbazones. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2009**, 24, 437-46	5.6	39
309	Synthesis, spectroscopy, and biological properties of vanadium(IV)-hydrazide complexes. *Chemistry and Biodiversity*, **2008**, 5, 82-92	2.5	39
308	2-Arylquinazolin-4(3H)-ones: A new class of -glucosidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7417-21	3.4	38
307	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
306	Synthesis and study of the -amylase inhibitory potential of thiadiazole quinoline derivatives. *Bioorganic Chemistry*, **2017**, 74, 179-186	5.1	38
305	Oxindole based oxadiazole hybrid analogs: Novel -glucosidase inhibitors. *Bioorganic Chemistry*, **2018**, 76, 273-280	5.1	38
304	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
303	Cesium fluoride-Celite: a solid base for efficient syntheses of aromatic esters and ethers. *Tetrahedron*, **2005**, 61, 6652-6656	2.4	37

302	New Hybrid Hydrazinyl Thiazole Substituted Chromones: As Potential -Amylase Inhibitors and Radical (DPPH & ABTS) Scavengers. *Scientific Reports*, **2017**, 7, 16980	4.9	36
301	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
300	Phenoxyacetohydrazide Schiff bases: -glucuronidase inhibitors. *Molecules*, **2014**, 19, 8788-802	4.8	36
299	Synthesis, -glucosidase inhibitory, cytotoxicity and docking studies of 2-aryl-7-methylbenzimidazoles. *Bioorganic Chemistry*, **2016**, 65, 100-9	5.1	35
298	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, 539-43	1.8	35
297	Synthesis and inhibitory potential towards acetylcholinesterase, butyrylcholinesterase and lipoxygenase of some variably substituted chalcones. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2005**, 20, 41-7	5.6	35
296	Molecular modeling-based antioxidant arylidene barbiturates as urease inhibitors. *Journal of Molecular Graphics and Modelling*, **2011**, 30, 153-6	2.8	34
295	Isolation and immunomodulatory properties of a flavonoid, casticin from Vitex agnus-castus. *Phytotherapy Research*, **2009**, 23, 1516-20	6.7	34
294	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, 7816-22	3.4	34
293	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	1.2	34
292	2,4,6-Trichlorophenylhydrazine Schiff bases as DPPH radical and super oxide anion scavengers. *Medicinal Chemistry*, **2012**, 8, 452-61	1.8	34
291	Synthesis of benzophenonehydrazone Schiff bases and their in vitro antiglycating activities. *Medicinal Chemistry*, **2013**, 9, 588-95	1.8	34
290	Synthesis of Bis-indolylmethane sulfonohydrazides derivatives as potent -Glucosidase inhibitors. *Bioorganic Chemistry*, **2018**, 80, 112-120	5.1	33
289	Discovery of novel oxindole derivatives as potent -glucosidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 3441-8	3.4	33
288	Identification of potent urease inhibitors via ligand- and structure-based virtual screening and in vitro assays. *Journal of Molecular Graphics and Modelling*, **2010**, 28, 792-8	2.8	33
287	An improved method for the synthesis of -lactones using sodium bromate and sodium hydrogen sulfite. *Tetrahedron Letters*, **2001**, 42, 1647-1649	2	32
286	Acylhydrazide Schiff bases: DPPH radical and superoxide anion scavengers. *Medicinal Chemistry*, **2012**, 8, 705-10	1.8	32
285	Bisindolylmethane thiosemicarbazides as potential inhibitors of urease: Synthesis and molecular modeling studies. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 152-160	3.4	32

284	2Aryl and 4arylidene substituted pyrazolones: As potential amylase inhibitors. *European Journal of Medicinal Chemistry*, **2018**, 159, 47-58	6.8	32
283	Dihydropyrano [2,3-c] pyrazole: Novel in vitro inhibitors of yeast glucosidase. *Bioorganic Chemistry*, **2016**, 65, 61-72	5.1	31
282	Organotin(IV) Complexes of Aniline Derivatives. I. Synthesis, Spectral and Antibacterial Studies of Di- and Triorganotin(IV) Derivatives of 4-Bromomaleanilic Acid. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2003**, 33, 1221-1235		31
281	Synthesis of new indazole based dual inhibitors of glucosidase and amylase enzymes, their in vitro, in silico and kinetics studies. *Bioorganic Chemistry*, **2020**, 94, 103195	5.1	31
280	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
279	Synthesis, in vitro glucosidase inhibitory activity and molecular docking studies of new thiazole derivatives. *Bioorganic Chemistry*, **2016**, 68, 245-58	5.1	30
278	Dihydropyrimidones: As novel class of glucuronidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 3624-35	3.4	30
277	Structure-based design, synthesis and biological evaluation of glucuronidase inhibitors. *Journal of Computer-Aided Molecular Design*, **2014**, 28, 577-85	4.2	30
276	Synthesis, crystal structure, DFT studies and evaluation of the antioxidant activity of 3,4-dimethoxybenzenamine schiff bases. *Molecules*, **2014**, 19, 8414-33	4.8	30
275	Expeditious Method for Synthesis of Symmetrical 1,3-Disubstituted Ureas and Thioureas. *Synthetic Communications*, **2005**, 35, 1663-1674	1.7	30
274	New indole based hybrid oxadiazole scaffolds with N-substituted acetamides: As potent anti-diabetic agents. *Bioorganic Chemistry*, **2018**, 81, 253-263	5.1	28
273	An expedient esterification of aromatic carboxylic acids using sodium bromate and sodium hydrogen sulfite. *Tetrahedron*, **2003**, 59, 5549-5554	2.4	28
272	Beta-N-cyanoethyl acyl hydrazide derivatives: a new class of beta-glucuronidase inhibitors. *Chemical and Pharmaceutical Bulletin*, **2002**, 50, 1443-6	1.9	28
271	Synthesis of 2,4,6-trichlorophenyl hydrazones and their inhibitory potential against glycation of protein. *Medicinal Chemistry*, **2011**, 7, 572-80	1.8	28
270	Oxindole derivatives: synthesis and antiglycation activity. *Medicinal Chemistry*, **2013**, 9, 681-8	1.8	28
269	Synthesis of 3-ferrocenylaniline: DNA interaction, antibacterial, and antifungal activity. *Medicinal Chemistry Research*, **2013**, 22, 3154-3159	2.2	27
268	New Hybrid Scaffolds based on Hydrazinyl Thiazole Substituted Coumarin; As Novel Leads of Dual Potential; In Vitro Amylase Inhibitory and Antioxidant (DPPH and ABTS Radical Scavenging) Activities. *Medicinal Chemistry*, **2019**, 15, 87-101	1.8	27
267	Synthesis of triazole Schiff bases: novel inhibitors of nucleotide pyrophosphatase/phosphodiesterase-1. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 6509-14	3.4	26

266	Synthesis, -glycosidase inhibitory potential and molecular docking study of benzimidazole derivatives. *Bioorganic Chemistry*, **2020**, 95, 103555	5.1	26
265	Synthesis, in vitro alpha-glucosidase inhibitory potential of benzimidazole bearing bis-Schiff bases and their molecular docking study. *Bioorganic Chemistry*, **2020**, 94, 103394	5.1	26
264	Synthesis, molecular docking study and in vitro thymidine phosphorylase inhibitory potential of oxadiazole derivatives. *Bioorganic Chemistry*, **2018**, 78, 58-67	5.1	25
263	Copper-catalyzed cross-dehydrogenative coupling of pyridine N-oxides with cyclic ethers. *Journal of Organometallic Chemistry*, **2016**, 801, 10-13	2.3	25
262	Pd-catalyzed dehydrogenative cross-coupling of pyridine-N-oxides with uracils. *RSC Advances*, **2014**, 4, 13764	3.7	25
261	Synthesis and anti-inflammatory activity of some selected aminothiophene analogs. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2006**, 21, 139-43	5.6	25
260	An efficient approach towards syntheses of ethers and esters using CsF-Celite as a solid base. *Tetrahedron Letters*, **2002**, 43, 8603-8606	2	25
259	Selective cleavage of t-butyldiphenylsilyl ethers in the presence of t-butyldimethylsilyl ethers.. *Tetrahedron Letters*, **1990**, 31, 1669-1670	2	25
258	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
257	A facile and improved synthesis of sildenafil (Viagra) analogs through solid support microwave irradiation possessing tyrosinase inhibitory potential, their conformational analysis and molecular dynamics simulation studies. *Molecular Diversity*, **2005**, 9, 15-26	3.1	24
256	Schiff Bases of 3-Formylchromones as Antibacterial, Antifungal, and Phytotoxic Agents (Supplementry Table). *Letters in Drug Design and Discovery*, **2009**, 6, 363-373	0.8	24
255	Synthesis and molecular modelling studies of phenyl linked oxadiazole-phenylhydrazone hybrids as potent antileishmanial agents. *European Journal of Medicinal Chemistry*, **2017**, 126, 1021-1033	6.8	23
254	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
253	Thiadiazole derivatives as New Class of -glucuronidase inhibitors. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 1909-18	3.4	23
252	Dihydropyrimidine based hydrazine dihydrochloride derivatives as potent urease inhibitors. *Bioorganic Chemistry*, **2016**, 64, 85-96	5.1	23
251	Chalcones and bis-chalcones: As potential -amylase inhibitors; synthesis, in vitro screening, and molecular modelling studies. *Bioorganic Chemistry*, **2018**, 79, 179-189	5.1	23
250	Synthesis of quinoline derivatives as diabetic II inhibitors and molecular docking studies. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 4081-4088	3.4	23
249	Biology-oriented drug synthesis (BIODS): In-vitro -glucuronidase inhibitory and in silico studies on 2-(2-methyl-5-nitro-1H-imidazol-1-yl)ethyl aryl carboxylate derivatives. *European Journal of Medicinal Chemistry*, **2017**, 125, 1289-1299	6.8	23

248	Reductive cleavage of t-butyldimethylsilyl ethers with sodium hydride. *Tetrahedron Letters*, **1988**, 29, 6161-6162	2	23
247	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	5.1	22
246	Synthetic nicotinic/isonicotinic thiosemicarbazides: In vitro urease inhibitory activities and molecular docking studies. *Bioorganic Chemistry*, **2018**, 79, 34-45	5.1	22
245	Syntheses, in vitro evaluation and molecular docking studies of 5-bromo-2-aryl benzimidazoles as -glucosidase inhibitors. *Medicinal Chemistry Research*, **2016**, 25, 2058-2069	2.2	22
244	An efficient one-pot protocol for the conversion of benzaldehydes into tetrazole analogs. *Tetrahedron Letters*, **2016**, 57, 523-524	2	22
243	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, 21-8	5.1	22
242	Novel acridine-based thiosemicarbazones as Qturn-onQchemosensors for selective recognition of fluoride anion: a spectroscopic and theoretical study. *Royal Society Open Science*, **2018**, 5, 180646	3.3	22
241	Coumarin sulfonates: New alkaline phosphatase inhibitors; in vitro and in silico studies. *European Journal of Medicinal Chemistry*, **2017**, 131, 29-47	6.8	21
240	Synthesis of piperazine sulfonamide analogs as diabetic-II inhibitors and their molecular docking study. *European Journal of Medicinal Chemistry*, **2017**, 141, 530-537	6.8	21
239	Design, synthesis, and urease inhibition studies of a series of 4-amino-5-aryl-3H-1,2,4-triazole-3-thiones. *Monatshefte F Chemie*, **2010**, 141, 479-484	1.4	21
238	Binding of transition metal ions [cobalt, copper, nickel and zinc] with furanyl-, thiophenyl-, pyrrolyl-, salicylyl- and pyridyl-derived cephalexins as potent antibacterial agents. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2004**, 19, 51-6	5.6	21
237	Synthesis and Bioactivities of Naturally Occurring Anthraquinones: Isochrysophanol, Isozyganein, -Hydroxyisochrysophanol and Morindaparvin. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2001**, 56, 689-696	1	21
236	Urease and -Chymotrypsin Inhibitory Effects of Selected Urea Derivatives. *Letters in Drug Design and Discovery*, **2008**, 5, 401-405	0.8	21
235	Synthesis and in vitro leishmanicidal activity of disulfide derivatives. *Medicinal Chemistry*, **2011**, 7, 704-10	1.8	21
234	Synthesis, in vitro -amylase inhibitory, and radicals (DPPH & ABTS) scavenging potentials of new N-sulfonohydrazide substituted indazoles. *Bioorganic Chemistry*, **2020**, 94, 103410	5.1	21
233	Synthesis, structure-activity relationship and molecular docking of 3-oxoaurones and 3-thioaurones as acetylcholinesterase and butyrylcholinesterase inhibitors. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 100-106	3.4	20
232	Carbohydrazones as new class of carbonic anhydrase inhibitors: Synthesis, kinetics, and ligand docking studies. *Bioorganic Chemistry*, **2017**, 72, 89-101	5.1	20
231	Palladium-Catalyzed Regioselective Cross-Dehydrogenative Coupling of Benzofurans with Uracils at Room Temperature. *European Journal of Organic Chemistry*, **2015**, 2015, 2796-2800	3.2	20

230	Dihydropyridines as potential -amylase and -glucosidase inhibitors: Synthesis, in vitro and in silico studies. *Bioorganic Chemistry*, **2020**, 96, 103581	5.1	20
229	Synthesis of indole-2-hydrazones in search of potential leishmanicidal agents. *Medicinal Chemistry Research*, **2014**, 23, 5282-5293	2.2	20
228	Leishmanicidal potential of N-substituted morpholine derivatives: synthesis and structure-activity relationships. *Natural Product Research*, **2009**, 23, 479-84	2.3	20
227	Synthesis and in silico studies of novel sulfonamides having oxadiazole ring: As -glucuronidase inhibitors. *Bioorganic Chemistry*, **2017**, 71, 86-96	5.1	19
226	Synthesis, characterization and antileishmanial studies of some bioactive heteroleptic pentavalent antimonials. *Applied Organometallic Chemistry*, **2017**, 31, e3606	3.1	19
225	Evaluation of silica-H2SO4 as an efficient heterogeneous catalyst for the synthesis of chalcones. *Molecules*, **2013**, 18, 10081-94	4.8	19
224	Synthesis of indole analogs as potent -glucuronidase inhibitors. *Bioorganic Chemistry*, **2017**, 72, 323-332	5.1	18
223	Syntheses, in vitro -amylase and -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	3.4	18
222	Synthesis, and In Vitro and In Silico -Glucosidase Inhibitory Studies of 5-Chloro-2-Aryl Benzo[d]thiazoles. *Bioorganic Chemistry*, **2018**, 78, 269-279	5.1	18
221	Coumarin sulfonates: As potential leads for ROS inhibition. *Bioorganic Chemistry*, **2016**, 69, 37-47	5.1	18
220	Evaluation of the thiazole Schiff bases as -glucuronidase inhibitors and their in silico studies. *Molecular Diversity*, **2014**, 18, 295-306	3.1	18
219	Synthesis and -glucuronidase inhibitory potential of benzimidazole derivatives. *Medicinal Chemistry*, **2012**, 8, 421-7	1.8	18
218	Indole acrylonitriles as potential anti-hyperglycemic agents: Synthesis, -glucosidase inhibitory activity and molecular docking studies. *Bioorganic and Medicinal Chemistry*, **2020**, 28, 115605	3.4	18
217	Synthesis of novel bisindolylmethanes: New carbonic anhydrase II inhibitors, docking, and 3D pharmacophore studies. *Bioorganic Chemistry*, **2016**, 68, 90-104	5.1	18
216	Exploring efficacy of indole-based dual inhibitors for -glucosidase and -amylase enzymes: In silico, biochemical and kinetic studies. *International Journal of Biological Macromolecules*, **2020**, 154, 217-232	7.9	17
215	Synthesis, molecular docking and xanthine oxidase inhibitory activity of 5-aryl-1H-tetrazoles. *Bioorganic Chemistry*, **2018**, 79, 201-211	5.1	17
214	Synthesis and urease inhibitory activities of benzophenone semicarbazones/thiosemicarbazones. *Medicinal Chemistry Research*, **2016**, 25, 2666-2679	2.2	17
213	Piroxicam sulfonates biology-oriented drug synthesis (BIODS), characterization and anti-nociceptive screening. *Medicinal Chemistry Research*, **2016**, 25, 1468-1475	2.2	17

212	Flurbiprofen derivatives as novel □-amylase inhibitors: Biology-oriented drug synthesis (BIODS), in vitro, and in silico evaluation. *Bioorganic Chemistry*, **2018**, 81, 157-167	5.1	17
211	Microwave-assisted solvent free efficient synthesis of 1,3,4-oxadiazole-2(3H)-thiones and their potent in vitro urease inhibition activity. *European Journal of Chemistry*, **2012**, 3, 143-146	0.6	17
210	Synthesis, Characterization, and Biological Activity of n-Tributyltin Derivatives of Pharmaceutically Active Carboxylates. *Monatshefte F□ Chemie*, **2002**, 133, 1089-1096	1.4	17
209	Synthesis of methyl ether analogues of sildenafil (Viagra) possessing tyrosinase inhibitory potential. *Chemistry and Biodiversity*, **2005**, 2, 470-6	2.5	17
208	SYNTHESIS, SPECTROSCOPIC CHARACTERIZATION, AND BIOLOGICAL APPLICATIONS OF ORGANOTIN(IV) DERIVATIVES OF 2-(N-MALEOYL)-3-PHENYLPROPANOIC ACID. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2002**, 32, 1521-1536		17
207	Acylhydrazide and Isatin Schiff Bases as Alternate UV-Laser Desorption Ionization (LDI) Matrices for Low Molecular Weight (LMW) Peptides Analysis. *American Journal of Analytical Chemistry*, **2012**, 03, 779-789	0.7	17
206	Synthesis, in vitro urease inhibitory activity, and molecular docking studies of thiourea and urea derivatives. *Bioorganic Chemistry*, **2018**, 80, 129-144	5.1	16
205	A rapid and efficient CsF catalyzed tandem Knoevenagel□Michael reaction. *Journal of Fluorine Chemistry*, **2014**, 158, 1-5	2.1	16
204	Synthesis and biological evaluation of some new N4-aryl substituted 5-chloroisatin-3-thiosemicarbazones. *Medicinal Chemistry*, **2012**, 8, 505-14	1.8	16
203	Synthesis of azachalcones, their □-amylase, □-glucosidase inhibitory activities, kinetics, and molecular docking studies. *Bioorganic Chemistry*, **2021**, 106, 104489	5.1	16
202	Synthesis of phenyl thiazole hydrazones and their activity against glycation of proteins. *Medicinal Chemistry Research*, **2015**, 24, 3077-3085	2.2	15
201	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	3.7	15
200	Synthesis, Cytotoxic and Phytotoxic Effects of Some New N4-Aryl Substituted Isatin-3-thiosemicarbazones. *Letters in Drug Design and Discovery*, **2011**, 8, 452-458	0.8	15
199	Enzyme inhibition, radical scavenging, and spectroscopic studies of vanadium(IV)-hydrazide complexes. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2009**, 24, 1336-43	5.6	15
198	Synthesis and urease enzyme inhibitory effects of some dicoumarols. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2004**, 19, 367-71	5.6	15
197	Syntheses of Selected Quaternary Phenacylbromopyridinium Compounds and their Biological Evaluation. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **1999**, 54, 1210-1218	1	15
196	Schiff bases of tryptamine as potent inhibitors of nucleoside triphosphate diphosphohydrolases (NTPDases): Structure-activity relationship. *Bioorganic Chemistry*, **2019**, 82, 253-266	5.1	15
195	Rapid cesium fluoride-catalyzed Knoevenagel condensation for the synthesis of highly functionalized 4,4?-(arylmethylene)bis(1H-pyrazol-5-ol) derivatives. *Monatshefte F□ Chemie*, **2015**, 146, 1587-1590	1.4	14

194	Synthesis, thymidine phosphorylase inhibition and molecular modeling studies of 1,3,4-oxadiazole-2-thione derivatives. *Bioorganic Chemistry*, **2015**, 60, 37-41	5.1	14
193	2,5-Disubstituted-1,3,4-oxadiazoles: thymidine phosphorylase inhibitors. *Medicinal Chemistry Research*, **2013**, 22, 6022-6028	2.2	14
192	Synthesis and biological screening of 7-hydroxy-4-methyl-2H-chromen-2-one, 7-hydroxy-4,5-dimethyl-2H-chromen-2-one and their some derivatives. *Natural Product Research*, **2003**, 17, 115-25	2.3	14
191	Antiglycation and antioxidant potential of novel imidazo[4,5-b]pyridine benzohydrazones. *Arabian Journal of Chemistry*, **2019**, 12, 3118-3128	5.9	14
190	Synthesis of indole-based-thiadiazole derivatives as a potent inhibitor of □glucosidase enzyme along with in silico study. *Bioorganic Chemistry*, **2021**, 108, 104638	5.1	14
189	Synthesis, molecular docking study and thymidine phosphorylase inhibitory activity of 3-formylcoumarin derivatives. *Bioorganic Chemistry*, **2018**, 78, 17-23	5.1	13
188	4-[5-(2-Methoxyphenyl)-1,3,4-oxadiazol-2-yl]benzohydrazide. *MolBank*, **2014**, 2014, M826	0.5	13
187	An expeditious synthetic approach towards the synthesis of Bis-Schiff bases (aldazines) using ultrasound. *Ultrasonics Sonochemistry*, **2014**, 21, 1200-5	8.9	13
186	Two new cinnamic acid esters from Marine brown alga Spatoglossum variabile. *Chemical and Pharmaceutical Bulletin*, **2002**, 50, 1297-9	1.9	13
185	Syntheses and Evaluation of the Analgesic Activity of Some 4-Acetyl- 4-phenylpiperidine and 4-Hydroxy-4-phenylpiperidine Derivatives. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **1999**, 54, 1327-1336	1	13
184	Schiff Bases of Istain: Potential Anti-Leishmanial Agents. *Letters in Drug Design and Discovery*, **2008**, 5, 243-249	0.8	13
183	A patent update on therapeutic applications of urease inhibitors (2012-2018). *Expert Opinion on Therapeutic Patents*, **2019**, 29, 181-189	6.8	13
182	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	5.1	13
181	Biology-oriented drug synthesis (BIODS), in vitro urease inhibitory activity, and in silico study of S-naproxen derivatives. *Bioorganic Chemistry*, **2019**, 83, 29-46	5.1	13
180	1-[(4Q Chlorophenyl) carbonyl-4-(aryl) thiosemicarbazide derivatives as potent urease inhibitors: Synthesis, in vitro and in silico studies. *Bioorganic Chemistry*, **2018**, 79, 363-371	5.1	13
179	Xanthine oxidase inhibitory activity of nicotino/isonicotinohydrazides: A systematic approach from in vitro, in silico to in vivo studies. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 2351-2371	3.4	12
178	Benzimidazole derivatives protect against cytokine-induced apoptosis in pancreatic □Cells. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 4672-6	2.9	12
177	Synthesis of heteroleptic pentavalent antimonials bearing heterocyclic cinnamate moieties and their biological studies. *Inorganica Chimica Acta*, **2018**, 476, 12-19	2.7	12

176	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	5.1	12
175	4-Arylamino-6-nitroquinazolines: Synthesis and their activities against neglected disease leishmaniasis. *European Journal of Medicinal Chemistry*, **2016**, 108, 13-20	6.8	12
174	Novel antiacanthamoebic compounds belonging to quinazolinones. *European Journal of Medicinal Chemistry*, **2019**, 182, 111575	6.8	12
173	Synthesis and Antibacterial and Antifungal Activity of 5-Substituted Imidazolones. *Letters in Drug Design and Discovery*, **2009**, 6, 69-77	0.8	12
172	An Alternative Method for the Synthesis of □Lactones by Using Cesium Fluoride-Celite/Acetonitrile Combination. *Synthetic Communications*, **2003**, 33, 3435-3453	1.7	12
171	Isatin based thiosemicarbazide derivatives as potential inhibitor of □glucosidase, synthesis and their molecular docking study. *Journal of Molecular Structure*, **2020**, 1222, 128922	3.4	12
170	Facile synthesis of novel substituted aryl-thiazole (SAT) analogs via one-pot multi-component reaction as potent cytotoxic agents against cancer cell lines. *Bioorganic Chemistry*, **2017**, 70, 133-143	5.1	11
169	Synthesis, in vitro and in silico screening of 2-amino-4-aryl-6-(phenylthio) pyridine-3,5-dicarbonitriles as novel □glucosidase inhibitors. *Bioorganic Chemistry*, **2020**, 100, 103879	5.1	11
168	Novel quinoxaline based chemosensors with selective dual mode of action: nucleophilic addition and host□guest type complex formation. *RSC Advances*, **2016**, 6, 64009-64018	3.7	11
167	Bis-coumarins; non-cytotoxic selective urease inhibitors and antiglycation agents. *Bioorganic Chemistry*, **2019**, 91, 103170	5.1	11
166	Synthesis of Dithioacetals and Oxathioacetals with Chiral Auxiliaries. *Synthetic Communications*, **2004**, 34, 2641-2653	1.7	11
165	An Alternative Method for the Highly Selective Iodination of Alcohols Using a CsI/BF3□Et2O System. *Synthetic Communications*, **2003**, 33, 2531-2540	1.7	11
164	Biology-Oriented Synthesis (BIOS) of Piperine Derivatives and their Comparative Analgesic and Antiinflammatory Activities. *Medicinal Chemistry*, **2018**, 14, 269-280	1.8	11
163	Synthesis and urease inhibitory potential of benzophenone sulfonamide hybrid in vitro and in silico. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 1009-1022	3.4	11
162	Synthesis and in vitro urease inhibitory activity of benzohydrazide derivatives, in silico and kinetic studies. *Bioorganic Chemistry*, **2019**, 82, 163-177	5.1	11
161	Atenolol thiourea hybrid as potent urease inhibitors: Design, biology-oriented drug synthesis, inhibitory activity screening, and molecular docking studies. *Bioorganic Chemistry*, **2020**, 94, 103359	5.1	11
160	Synthetic indole Mannich bases: Their ability to modulate in vitro cellular immunity. *Bioorganic Chemistry*, **2015**, 60, 118-22	5.1	10
159	Synthesis, in vitro [Formula: see text]-glucosidase inhibitory activity, and in silico study of (E)-thiosemicarbazones and (E)-2-(2-(arylmethylene)hydrazinyl)-4-arylthiazole derivatives. *Molecular Diversity*, **2018**, 22, 841-861	3.1	10

158	Synthesis and biological evaluation of some N 4-aryl-substituted 5-fluoroisatin-3-thiosemicarbazones. *Medicinal Chemistry Research*, **2013**, 22, 5878-5889	2.2	10
157	Antidepressant activity of carbamates and urea derivatives. *Medicinal Chemistry Research*, **2012**, 21, 2709-2715	2.2	10
156	Synthesis and DPPH radical scavenging activity of 5-arylidene-N,N-dimethylbarbiturates. *Medicinal Chemistry*, **2011**, 7, 231-6	1.8	10
155	Tertiary amines promoted synthesis of symmetrical 1,3-disubstituted ureas. *Natural Product Research*, **2003**, 17, 351-4	2.3	10
154	Synthesis, Spectroscopic Characterization: (IR, Multinuclear NMR, 119mSn Mössbauer and Mass Spectrometry), and Biological Activity (Antibacterial, Antifungal, and Cytotoxicity) of Di- and Triorganotin(IV) Complexes of (E)-3-(4-Chlorophenyl)-2-phenylpropenoic Acid. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2004**, 34, 1379-1399		10
153	N-Aroylated Isatins: Antiglycation Activity. *Letters in Drug Design and Discovery*, **2010**, 7, 188-193	0.8	10
152	Evaluation and docking of indole sulfonamide as a potent inhibitor of β-glucosidase enzyme in streptozotocin -induced diabetic albino wistar rats. *Bioorganic Chemistry*, **2021**, 110, 104808	5.1	10
151	In silico binding analysis and SAR elucidations of newly designed benzopyrazine analogs as potent inhibitors of thymidine phosphorylase. *Bioorganic Chemistry*, **2016**, 68, 80-9	5.1	10
150	Investigation of new quinoline derivatives as promising inhibitors of NTPDases: Synthesis, SAR analysis and molecular docking studies. *Bioorganic Chemistry*, **2019**, 87, 218-226	5.1	9
149	Pd-Catalyzed Dehydrogenative Cross-Coupling of 1,4-Quinones with N,N?-Dialkyluracils. *Australian Journal of Chemistry*, **2015**, 68, 165	1.2	9
148	Aryl Quinazolinone Derivatives as Novel Therapeutic Agents against Brain-Eating Amoebae. *ACS Chemical Neuroscience*, **2020**, 11, 2438-2449	5.7	9
147	Novel Azoles as Antiparasitic Remedies against Brain-Eating Amoebae. *Antibiotics*, **2020**, 9,	4.9	9
146	2,5-Disubstituted thiadiazoles as potent β-glucuronidase inhibitors; Synthesis, in vitro and in silico studies. *Bioorganic Chemistry*, **2019**, 91, 103126	5.1	9
145	Structural basis of binding and rationale for the potent urease inhibitory activity of biscoumarins. *BioMed Research International*, **2014**, 2014, 935039	3	9
144	Urease inhibition and anticancer activity of novel polyfunctional 5,6-dihydropyridine derivatives and their structure-activity relationship. *European Journal of Chemistry*, **2013**, 4, 49-52	0.6	9
143	Synthesis and leishmanicidal activity of 2,3,4-substituted-5-imidazolones. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2010**, 25, 29-37	5.6	9
142	An In-Depth Characterization of Urban Aerosols Using Electron Microscopy and Energy Dispersive X-Ray Analysis. *Clean - Soil, Air, Water*, **2009**, 37, 544-554	1.6	9
141	Tetra-n-butylammonium fluoride-mediated dimerization of (β-methylbenzylidene)malononitriles to form polyfunctional 5,6-dihydropyridines derivatives under solvent-free conditions. *European Journal of Chemistry*, **2012**, 3, 179-185	0.6	9

140	Piperidines: a new class of urease inhibitors. *Natural Product Research*, **2006**, 20, 523-30	2.3	9
139	□glucuronidase inhibitory studies on coumarin derivatives. *Medicinal Chemistry*, **2014**, 10, 778-82	1.8	9
138	Antiglycation activity of quinoline derivatives- a new therapeutic class for the management of type 2 diabetes complications. *Medicinal Chemistry*, **2014**, 11, 60-8	1.8	9
137	Acridine-based (thio)semicarbazones and hydrazones: Synthesis, in vitro urease inhibition, molecular docking and in-silico ADME evaluation. *Bioorganic Chemistry*, **2019**, 82, 6-16	5.1	9
136	Synthesis, in vitro □glucuronidase inhibitory activity and in silico studies of novel (E)-4-Aryl-2-(2-(pyren-1-ylmethylene)hydrazinyl)thiazoles. *Bioorganic Chemistry*, **2017**, 70, 199-209	5.1	8
135	A new and facile CuCl2□2H2O-catalyzed one-pot three-component synthesis for quinazolines. *Monatshefte F□ Chemie*, **2015**, 146, 1877-1880	1.4	8
134	Benzimidazole, coumrindione and flavone derivatives as alternate UV laser desorption ionization (LDI) matrices for peptides analysis. *Chemistry Central Journal*, **2013**, 7, 77		8
133	Synthesis, in□vitro □glucuronidase inhibitory potential and molecular docking studies of quinolines. *European Journal of Medicinal Chemistry*, **2017**, 139, 849-864	6.8	8
132	Syntheses of 4,6-dihydroxypyrimidine diones, their urease inhibition, in vitro, in silico, and kinetic studies. *Bioorganic Chemistry*, **2017**, 75, 317-331	5.1	8
131	Antibiofilm potential of synthetic 2-amino-5-chlorobenzophenone Schiff bases and its confirmation through fluorescence microscopy. *Microbial Pathogenesis*, **2017**, 110, 497-506	3.8	8
130	2-Arylquinazolin-4(3H)-ones: A novel class of thymidine phosphorylase inhibitors. *Bioorganic Chemistry*, **2015**, 63, 142-51	5.1	8
129	Synthesis and biological evaluation of some N4-substituted 5-nitroisatin-3-thiosemicarbazones. *Medicinal Chemistry Research*, **2012**, 21, 2251-2262	2.2	8
128	An efficient synthesis of substituted bis(indolyl)methanes using sodium bromate and sodium hydrogen sulfite in water. *Journal of the Iranian Chemical Society*, **2012**, 9, 81-83	2	8
127	A modified, economical and efficient synthesis of variably substituted pyrazolo[4,3-d]pyrimidin-7-ones. *Journal of Heterocyclic Chemistry*, **2005**, 42, 1085-1093	1.9	8
126	Isolation and Structure Elucidation of Two New Xanthones from Gentiana azurium Bunge (Fam. Gentianaceae). *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2002**, 57, 331-334	1	8
125	Potent □amylase inhibitors and radical (DPPH and ABTS) scavengers based on benzofuran-2-yl(phenyl)methanone derivatives: Syntheses, in vitro, kinetics, and in silico studies. *Bioorganic Chemistry*, **2020**, 104, 104238	5.1	8
124	Synthesis, characterization, biological evaluation, and kinetic study of indole base sulfonamide derivatives as acetylcholinesterase inhibitors in search of potent anti-Alzheimer agent. *Journal of King Saud University - Science*, **2021**, 33, 101401	3.6	8
123	2-Arylquinazolin-4(3H)-ones: Inhibitory Activities Against Xanthine Oxidase. *Medicinal Chemistry*, **2016**, 12, 54-62	1.8	8

122	A new glycotoxins inhibitor attenuates insulin resistance in liver and fat cells. *Biochemical and Biophysical Research Communications*, **2016**, 476, 188-195	3.4	8
121	Synthesis of 2-phenyl-1H-imidazo[4,5-b]pyridine as type 2 diabetes inhibitors and molecular docking studies. *Medicinal Chemistry Research*, **2017**, 26, 916-928	2.2	7
120	Syntheses, cholinesterases inhibition, and molecular docking studies of pyrido[2,3-b]pyrazine derivatives. *Chemical Biology and Drug Design*, **2015**, 86, 1115-20	2.9	7
119	Inhibition potential of phenyl linked benzimidazole-triazolothiadiazole modular hybrids against β-glucuronidase and their interactions thereof. *International Journal of Biological Macromolecules*, **2020**, 161, 355-363	7.9	7
118	Chelation-Assisted Copper-Mediated Direct Acetylamination of 2-Arylpyridine C-H Bonds with Cyanate Salts. *Journal of Organic Chemistry*, **2016**, 81, 6087-92	4.2	7
117	Synthesis of Novel Triazinoindole-Based Thiourea Hybrid: A Study on α-Glucosidase Inhibitors and Their Molecular Docking. *Molecules*, **2019**, 24,	4.8	7
116	Synthesis and Toxicity Evaluation of Some N4-Aryl Substituted 5-Trifluoromethoxyisatin-3-thiosemicarbazones. *Molecules*, **2011**, 16, 6408-21	4.8	7
115	Effect of successive increase in alcohol chains on reaction with isocyanates and isothiocyanates. *Natural Product Research*, **2010**, 24, 18-23	2.3	7
114	An expeditious and environmentally friendly synthesis of 3-substituted isocoumarins using microwave irradiation. *Natural Product Research*, **2008**, 22, 1120-7	2.3	7
113	Tyrosinase inhibition: conformational analysis based studies on molecular dynamics calculations of bipiperidine based inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2005**, 20, 401-7	5.6	7
112	Biology-oriented drug synthesis (BIODS), in vitro urease inhibitory activity, and in silico studies on ibuprofen derivatives. *Molecular Diversity*, **2021**, 25, 143-157	3.1	7
111	Synthesis of indole derivatives as diabetics II inhibitors and enzymatic kinetics study of α-glucosidase and β-amylase along with their in-silico study. *International Journal of Biological Macromolecules*, **2021**, 190, 301-318	7.9	7
110	Aminoquinoline Schiff Bases as Non-Acidic, Non-Steroidal, Anti-Inflammatory Agents. *ChemistrySelect*, **2017**, 2, 10050-10054	1.8	6
109	3,4-Dimethoxybenzohydrazide derivatives as antiulcer: Molecular modeling and density functional studies. *Bioorganic Chemistry*, **2017**, 75, 235-241	5.1	6
108	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	3.7	6
107	Synthesis and screening of (E)-3-(2-benzylidenehydrazinyl)-5,6-diphenyl-1,2,4-triazine analogs as novel dual inhibitors of β-amylase and α-glucosidase. *Bioorganic Chemistry*, **2020**, 101, 103979	5.1	6
106	Synthesis of indole based acetohydrazide analogs: Their in vitro and in silico thymidine phosphorylase studies. *Bioorganic Chemistry*, **2020**, 98, 103745	5.1	6
105	1,1′-Carbonyldiimidazole (CDI) Mediated Facile Synthesis, Structural Characterization, Antimicrobial Activity, and in-silico Studies of Coumarin- 3-carboxamide Derivatives. *Medicinal Chemistry*, **2018**, 14, 86-101	1.8	6

104	Antibacterial Effects of Quinazolin-4(3)-One Functionalized-Conjugated Silver Nanoparticles. *Antibiotics*, **2019**, 8,	4.9	6
103	Regioselective Conversion of Anhydro Sugars into Halohydrins and X-Ray Study. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2004**, 59, 337-340	1	6
102	CsF-Celite, an Efficient Solid State Reagent for the Syntheses of Thioesters and Thioethers. *Monatshefte F Chemie*, **2005**, 136, 1583-1589	1.4	6
101	Xanthine Oxidase Inhibitory and Molecular Docking Studies on Pyrimidones. *Medicinal Chemistry*, **2018**, 14, 524-535	1.8	6
100	4-Oxycoumarinyl linked acetohydrazide Schiff bases as potent urease inhibitors. *Bioorganic Chemistry*, **2020**, 105, 104365	5.1	6
99	Synthesis of benzimidazole derivatives as potent inhibitors for amylase and their molecular docking study in management of type-II diabetes. *Journal of Molecular Structure*, **2021**, 1232, 130029	3.4	6
98	Benzylidine indane-1,3-diones: As novel urease inhibitors; synthesis, in vitro, and in silico studies. *Bioorganic Chemistry*, **2018**, 81, 658-671	5.1	6
97	Indole-3-acetamides: As Potential Antihyperglycemic and Antioxidant Agents; Synthesis, Amylase Inhibitory Activity, Structure-Activity Relationship, and Studies. *ACS Omega*, **2021**, 6, 2264-2275	3.9	6
96	Aryl-oxadiazole Schiff bases: Synthesis, glucosidase in vitro inhibitory activity and their in silico studies. *Arabian Journal of Chemistry*, **2020**, 13, 4904-4915	5.9	5
95	3-Substituted Isocoumarins as Thymidine Phosphorylase Inhibitors. *Letters in Drug Design and Discovery*, **2010**, 7, 265-268	0.8	5
94	Acyl Hydrazides: Potent Antioxidants. *Letters in Drug Design and Discovery*, **2012**, 9, 135-139	0.8	5
93	Synthesis and Biological Potential Assessment of 2-Substituted Quinazolin-4(3H)-ones as Inhibitors of Phosphodiesterase-I and Carbonic Anhydrase-II. *Medicinal Chemistry*, **2015**, 11, 336-41	1.8	5
92	Antiglycation Activity of Triazole Schiff Bases Against Fructosemediated Glycation: In Vitro and In Silico Study. *Medicinal Chemistry*, **2020**, 16, 575-591	1.8	5
91	Synthesis, In vitro Glucosidase Inhibitory Potential and Molecular Docking Studies of 2-Amino-1,3,4-Oxadiazole Derivatives. *Medicinal Chemistry*, **2020**, 16, 724-734	1.8	5
90	A new indanedione derivative alleviates symptoms of diabetes by modulating RAGE-NF-kappaB pathway in db/db mice. *Biochemical and Biophysical Research Communications*, **2018**, 501, 863-870	3.4	5
89	Synthesis of 4-substituted ethers of benzophenone and their antileishmanial activities. *Royal Society Open Science*, **2018**, 5, 171771	3.3	5
88	Antiamoebic activity of synthetic tetrazoles against Acanthamoeba castellanii belonging to T4 genotype and effects of conjugation with silver nanoparticles. *Parasitology Research*, **2020**, 119, 1943-1954	2.4	4
87	Determination of Volatile Constituents and Antimicrobial Activity of Camel Thorn (Alhagi camelorum) Flowers. *Analytical Letters*, **2014**, 47, 413-421	2.2	4

86	2-(5-Chloro-1,3-benzothia-zol-2-yl)-4-meth-oxy-phenol. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2877		4
85	A Novel Unusual Isocoumarin Derivative, 3H-Furo[3,4-c]isochromene-1,5- dione. *Letters in Organic Chemistry*, **2010**, 7, 557-560	0.6	4
84	Crystal Structure of 4-Bromobenzohydrazide. *Analytical Sciences: X-ray Structure Analysis Online*, **2008**, 24, X103-X104		4
83	In vitro leishmanicidal activity of 3-substituted isocoumarins: synthesis and structure activity relationship. *Medicinal Chemistry*, **2008**, 4, 163-9	1.8	4
82	Synthesis and In Vitro Inhibitory Potential Towards Urease of 9-Anilinoacridines and Aciridinyl Hydrazides. *Letters in Drug Design and Discovery*, **2007**, 4, 114-121	0.8	4
81	Synthesis and pharmacological activity of 4-(4Q(chlorophenyl)-4-hydroxypiperidine) derivatives. *Chemical and Pharmaceutical Bulletin*, **2005**, 53, 64-6	1.9	4
80	Syntheses and cytotoxic, antimicrobial, antifungal and cardiovascular activity of new quinoline derivatives. *Arzneimittelforschung*, **2000**, 50, 915-24		4
79	2-Mercapto Benzothiazole Derivatives: As Potential Leads for the Diabetic Management. *Medicinal Chemistry*, **2020**, 16, 826-840	1.8	4
78	Ultrasound-Assisted, Convenient and Widely Applicable 1,1QCarbonyl-diimidazole-Mediated "One-Pot" Synthesis of Acyl/Sulfonyl Hydrazines. *Letters in Organic Chemistry*, **2015**, 12, 637-644	0.6	4
77	Benzothiazole derivatives: novel inhibitors of methylglyoxal mediated glycation of proteins in vitro. *Medicinal Chemistry*, **2014**, 10, 824-35	1.8	4
76	Synthesis, Molecular Modeling and Biological Evaluation of 5-arylidene-N,N-diethylthiobarbiturates as Potential □glucosidase Inhibitors. *Medicinal Chemistry*, **2019**, 15, 175-185	1.8	4
75	SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL SCREENING OF VARIOUS N-SUBSTITUTED DERIVATIVES OF SULFONAMIDES. *International Journal of Chemical Research*, **2011**, 3, 99-104		4
74	Synthesis of Thiocarbohydrazones and Evaluation of their in vitro Antileishmanial Activity. *Medicinal Chemistry*, **2018**, 14, 725-732	1.8	4
73	Synthesis, □glucuronidase inhibition and molecular docking studies of cyano-substituted bisindole hydrazone hybrids. *Molecular Diversity*, **2021**, 25, 995-1009	3.1	4
72	Exploring indole-based-thiadiazole derivatives as potent acetylcholinesterase and butyrylcholinesterase enzyme inhibitors. *International Journal of Biological Macromolecules*, **2021**, 188, 1025-1036	7.9	4
71	Synthesis, in vitro urease inhibitory activity, and molecular docking studies of (perfluorophenyl)hydrazone derivatives. *Medicinal Chemistry Research*, **2019**, 28, 873-883	2.2	3
70	Catalytic and noncatalytic conversion of spent fat oil into combustible gases and liquids. *Journal of Renewable and Sustainable Energy*, **2019**, 11, 023102	2.5	3
69	A bis-Schiff base of isatin improves methylglyoxal mediated insulin resistance in skeletal muscle cells. *Archives of Pharmacal Research*, **2015**, 1	6.1	3

68	Structural mass irregularities and fiber volume influence on morphology and mechanical properties of unsaturated polyester resin in matrix composites. *Journal of Advanced Research*, **2015**, 6, 833-8	13	3
67	Antiamoebic activity of 3-aryl-6,7-dimethoxyquinazolin-4(3H)-one library against Acanthamoeba castellanii. *Parasitology Research*, **2020**, 119, 2327-2335	2.4	3
66	NH4Cl Mediated New Protocol for the Synthesis of 5-Arylidene Barbiturates. *Letters in Organic Chemistry*, **2011**, 8, 28-32	0.6	3
65	Sodium hydride/hexamethylphosphoric triamide: a new and efficient reagent towards the synthesis of protected 1,2- and 5,6-enopyranosides. *New Journal of Chemistry*, **2001**, 25, 896-898	3.6	3
64	Anthranilic Acid Derivatives: Novel Inhibitors of Protein Glycation and the Associated Oxidative Stress in the Hepatocytes. *Medicinal Chemistry*, **2018**, 14, 516-523	1.8	3
63	ROS Inhibitory Activity and Cytotoxicity Evaluation of Benzoyl, Acetyl, Alkyl Ester, and Sulfonate Ester Substituted Coumarin Derivatives. *Medicinal Chemistry*, **2020**, 16, 1099-1111	1.8	3
62	Diversified Thiazole Substituted Coumarins and Chromones as Non- Cytotoxic ROS and NO Inhibitors. *Letters in Drug Design and Discovery*, **2020**, 17, 547-555	0.8	3
61	Synthetic nanoparticle-conjugated bisindoles and hydrazinyl arylthiazole as novel antiamoebic agents against brain-eating amoebae. *Experimental Parasitology*, **2020**, 218, 107979	2.1	3
60	Design and Synthesis of Fluoroquinolone Derivatives as Potent Glucosidase Inhibitors: In Vitro Inhibitory Screening with In Silico Docking Studies. *ChemistrySelect*, **2021**, 6, 2483-2491	1.8	3
59	Synthesis, in vitro, and in silico evaluation of Indazole Schiff bases as potential glucosidase inhibitors. *Journal of Molecular Structure*, **2021**, 1242, 130826	3.4	3
58	New isatin derivative inhibits neurodegeneration by restoring insulin signaling in brain. *Journal of Chemical Neuroanatomy*, **2017**, 81, 1-9	3.2	2
57	Synthesis of symmetrical bis-Schiff base-disulfide hybrids as highly effective anti-leishmanial agents. *Bioorganic Chemistry*, **2020**, 99, 103819	5.1	2
56	Synthesis and in vitro anti-proliferative capabilities of steroidal thiazole and indole derivatives. *Journal of Saudi Chemical Society*, **2019**, 23, 775-780	4.3	2
55	Unsymmetrical 1,3-disubstituted urea derivatives as chymotrypsin inhibitors. *Medicinal Chemistry Research*, **2014**, 23, 3585-3592	2.2	2
54	Antiproliferative effects of novel urea derivatives against human prostate and lung cancer cells; and their inhibition of glucuronidase activity. *Medicinal Chemistry Research*, **2014**, 23, 1099-1113	2.2	2
53	Dicyanoanilines as potential and dual inhibitors of amylase and glucosidase enzymes: Synthesis, characterization, in vitro, in silico, and kinetics studies. *Arabian Journal of Chemistry*, **2022**, 15, 103651	5.9	2
52	Tyrosinase Inhibitory Activity of S-Naproxen Derivatives. *Letters in Drug Design and Discovery*, **2019**, 16, 1276-1285	0.8	2
51	Derivatives of 6-Nitrobenzimidazole Inhibit Fructose-Mediated Protein Glycation and Intracellular Reactive Oxygen Species Production. *Medicinal Chemistry*, **2017**, 13, 577-584	1.8	2

50	New Bis-Pyrazolones as Potential Leads for ROS Inhibition; Environment Friendly Green Synthesis, Structural Characterization, and In Vitro Studies. *Medicinal Chemistry*, **2018**, 14, 536-548	1.8	2
49	Synthesis of -Ketosulfone Derivatives As New Non-Cytotoxic Urease Inhibitors. *Medicinal Chemistry*, **2020**, 16, 244-255	1.8	2
48	Dihydroquinazolin-4(1H)-one derivatives as novel and potential leads for diabetic management. *Molecular Diversity*, **2021**, 1	3.1	2
47	Sulfonamides and Sulphonyl Ester of Quinolines as Non-Acidic, Non- Steroidal, Anti-inflammatory Agents. *Letters in Drug Design and Discovery*, **2021**, 18, 112-120	0.8	2
46	Microwave-assisted green approach toward the unexpected synthesis of pyrazole-4-carboxylates. *Journal of the Iranian Chemical Society*, **2016**, 13, 1405-1410	2	2
45	Synthesis, anti-diabetic and QSAR analysis of flavone hydrazide Schiff base derivatives. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-16	3.6	2
44	Discovery of Dual Inhibitors of Acetyl and Butrylcholinesterase and Antiproliferative Activity of 1,2,4-Triazole-3-thiol: Synthesis and In Silico Molecular Study. *ChemistrySelect*, **2020**, 5, 6430-6439	1.8	1
43	An Alternative Method for the Highly Selective Iodination of Alcohols Using a CsI/BF3Et2O System.. *ChemInform*, **2003**, 34, no		1
42	An Expeditious Approach to Trisubstituted Chiral Tetrahydrofurans. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2000**, 55, 317-320	1	1
41	Benzophenone Sulfonamide Derivatives as Interacting Partners and Inhibitors of Human P-glycoprotein. *Anti-Cancer Agents in Medicinal Chemistry*, **2020**, 20, 1739-1751	2.2	1
40	Biology-oriented drug synthesis and evaluation of secnidazole esters as novel enzyme inhibitors. *Archiv Der Pharmazie*, **2021**, e2100376	4.3	1
39	2-Oxo-1,2,3,4-tetrahydropyrimidines Ethyl Esters as Potent Glucuronidase Inhibitors: One-pot Synthesis, In vitro and In silico Studies. *Medicinal Chemistry*, **2018**, 14, 818-830	1.8	1
38	Coumarinyl Aryl/Alkyl Sulfonates with Dual Potential: Alkaline Phosphatase and ROS Inhibitory Activities: In-Silico Molecular Modeling and ADME Evaluation. *Letters in Drug Design and Discovery*, **2019**, 16, 256-272	0.8	1
37	Biology-oriented Drug Synthesis (BIODS), Structural Characterization and Bioactivities of Novel Albendazole Derivatives. *Letters in Drug Design and Discovery*, **2019**, 16, 1329-1338	0.8	1
36	Discovery of New N-hydrazinecarbothioamide Indazole Hybrids: As Potential Radical (ABTS and DPPH) Scavengers. *Letters in Drug Design and Discovery*, **2020**, 17, 1177-1185	0.8	1
35	Synthesis of new 1,2-disubstituted benzimidazole analogs as potent inhibitors of Glucuronidase and in silico study. *Arabian Journal of Chemistry*, **2022**, 15, 103505	5.9	1
34	Anti-glycemic potential of benzophenone thio/semicarbazone derivatives: synthesis, enzyme inhibition and ligand docking studies. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-12	3.6	1
33	Chalcones and Bis-Chalcones Analogs as DPPH and ABTS Radical Scavengers. *Letters in Drug Design and Discovery*, **2021**, 18, 249-257	0.8	1

32	-Aryl-3,4-dihydroisoquinoline Carbothioamide Analogues as Potential Urease Inhibitors. *ACS Omega* , **2021**, 6, 15794-15803	3.9	1
31	Oxamide Derivatives as Potent Glucosidase Inhibitors: Design, Synthesis, In Vitro Inhibitory Screening and In Silico Docking Studies. *ChemistrySelect*, **2021**, 6, 7188-7201	1.8	1
30	Facile CuCl2 2H2O catalyzed one-pot conversion of dimedone into highly functionalized indazole based N-arylhydrazinecarbothioamides. *Journal of Saudi Chemical Society*, **2020**, 24, 92-97	4.3	1
29	Substituted Benzimidazole Analogues as Potential Amylase Inhibitors and Radical Scavengers. *ACS Omega*, **2021**, 6, 22726-22739	3.9	1
28	Borax-catalyzed valorization of waste rubber and polyethylene using pyrolysis and copyrolysis reactions. *Asia-Pacific Journal of Chemical Engineering*, **2021**, 16, e2696	1.3	1
27	Synthesis and characterization of novel piroxicam derivatives and their antiglycation activity. *Journal of Molecular Structure*, **2021**, 1239, 130470	3.4	1
26	2-Mercapto Benzoxazole Derivatives as Novel Leads: Urease Inhibition, In Vitro and In Silico Studies. *ChemistrySelect*, **2021**, 6, 8490-8498	1.8	1
25	Synthesis of indole-based oxadiazoles and their interaction with bacterial peptidoglycan and SARS-CoV-2 main protease: In vitro, molecular docking and in silico ADME/Tox study. *Journal of Saudi Chemical Society*, **2022**, 101474	4.3	1
24	Thymidine phosphorylase and prostrate cancer cell proliferation inhibitory activities of synthetic 4-hydroxybenzohydrazides: In vitro, kinetic, and in silico studies. *PLoS ONE*, **2020**, 15, e0227549	3.7	0
23	Crystal structure and Hirshfeld surface analysis of 1-(4-bromo-phen-yl)-2-{[5-(pyridin-3-yl)-1,3,4-oxa-diazol-2-yl]sulfan-yl}ethan-1-one. *Acta Crystallographica Section E: Crystallographic Communications*, **2017**, 73, 623-626	0.7	0
22	Synthesis, biological screening and docking study of benzo[]oxazole Schiff base derivatives as a potent anti-Alzheimer agent.. *Journal of Biomolecular Structure and Dynamics*, **2022**, 1-16	3.6	0
21	Synthesis of Chalcones as Potential Glucosidase Inhibitors, In-Vitro and In-Silico Studies. *ChemistrySelect*, **2021**, 6, 9933-9940	1.8	0
20	Benzophenone Esters and Sulfonates: Synthesis and their Potential as Antiinflammatory Agents. *Medicinal Chemistry*, **2019**, 15, 162-174	1.8	0
19	Synthesis of Pyridinyl-benzo[d]imidazole/Pyridinyl-benzo[d]thiazole Derivatives and their Yeast Glucose Uptake Activity In Vitro. *Letters in Drug Design and Discovery*, **2019**, 16, 984-993	0.8	0
18	Synthesis of new urease enzyme inhibitors as antiulcer drug and computational study. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-16	3.6	0
17	Dihydropyrimidones: A ligands urease recognition study and mechanistic insight through in vitro and in silico approach. *Medicinal Chemistry Research*, **2021**, 30, 120-132	2.2	0
16	Synthesis, in vitro, and in silico studies of newly functionalized quinazolinone analogs for the identification of potent glucosidase inhibitors. *Journal of the Iranian Chemical Society*, **2021**, 18, 2017	2	0
15	Aryl hydrazones linked thiazolyl coumarin hybrids as potential urease inhibitors. *Journal of the Iranian Chemical Society*,1	2	0

14	An effort to find new α-amylase inhibitors as potent antidiabetics compounds based on indole-based-thiadiazole analogs. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-12	3.6	0
13	Synthesis, in vitro antiurease, in vivo antinematodal activity of quinoline analogs and their in-silico study. *Bioorganic Chemistry*, **2021**, 115, 105199	5.1	0
12	Isatin thiazoles as antidiabetic: Synthesis, in vitro enzyme inhibitory activities, kinetics, and in silico studies.. *Archiv Der Pharmazie*, **2022**, e2100481	4.3	0
11	Biology-oriented drug synthesis of nitrofurazone derivatives: Their β-glucosidase inhibitory activity and molecular docking studies. *Arabian Journal of Chemistry*, **2022**, 15, 103806	5.9	0
10	Synthesis, in vitro evaluation, and molecular docking studies of benzofuran based hydrazone a new inhibitors of urease. *Arabian Journal of Chemistry*, **2022**, 103954	5.9	0
9	Synthesis of Benzofuran-Based Schiff Bases as Anti-Diabetic Compounds and Their Molecular Docking Studies. *Journal of Molecular Structure*, **2022**, 133287	3.4	0
8	Crystal structure and Hirshfeld surface analysis of 1-(4-chloro-phen-yl)-2-{[5-(4-chloro-phen-yl)-1,3,4-oxa-diazol-2-yl]sulfan-yl}ethanone. *Acta Crystallographica Section E: Crystallographic Communications*, **2017**, 73, 524-527	0.7	
7	Enhanced Anti-Bacterial Activity of Non-Antibacterial Drug Candesartan Cilexetil by Delivery through Polymeric Micelles. *ChemistrySelect*, **2020**, 5, 3605-3612	1.8	
6	Investigation of a New Spectrophotometric Method for the Analysis of Ciprofloxacin Based on Microwave Assisted Diazotization. *Analytical Sciences*, **2019**, 35, 1183-1187	1.7	
5	Microwaves spark emission spectroscopy for the analysis of cations: A simple form of atomic emission spectroscopy. *Chinese Chemical Letters*, **2011**, 22, 1084-1086	8.1	
4	Facile, economical and direct synthesis of 9-anilinoacridines. *Natural Product Research*, **2009**, 23, 5-9	2.3	
3	3-(2-Ethyl-2-phenyl-hydrazin-1-yl-idene)indolin-2-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o3473		
2	Rapid Cesium Fluoride Catalyzed Synthesis of 5-Aryloxy-1-phenyl-1 H tetrazoles via Nucleophilic Aromatic Substitution. *Letters in Organic Chemistry*, **2021**, 18, 389-394	0.6	
1	Potential anti-acanthamoebic effects through inhibition of CYP51 by novel quinazolinones.. *Acta Tropica*, **2022**, 106440	3.2	