Stanislav Gobec

List of Publications by Citations

237 papers	5,404 citations	39 h-index	59 g-index
257 ext. papers	6,385 ext. citations	4.8 avg, IF	5.59 L-index

#	Paper	IF	Citations
237	Cytoplasmic steps of peptidoglycan biosynthesis. *FEMS Microbiology Reviews*, **2008**, 32, 168-207	15.1	446
236	Discovery, biological evaluation, and crystal structure of a novel nanomolar selective butyrylcholinesterase inhibitor. *Journal of Medicinal Chemistry*, **2014**, 57, 8167-79	8.3	174
235	Discovery of novel 5-benzylidenerhodanine and 5-benzylidenethiazolidine-2,4-dione inhibitors of MurD ligase. *Journal of Medicinal Chemistry*, **2010**, 53, 6584-94	8.3	104
234	Inhibitors of cathepsin B. *Current Medicinal Chemistry*, **2006**, 13, 2309-27	4.3	89
233	Structural characterization and biological evaluation of a clioquinol-ruthenium complex with copper-independent antileukaemic activity. *Dalton Transactions*, **2014**, 43, 9045-51	4.3	75
232	Novel naphthalene-N-sulfonyl-D-glutamic acid derivatives as inhibitors of MurD, a key peptidoglycan biosynthesis enzyme. *Journal of Medicinal Chemistry*, **2008**, 51, 7486-94	8.3	75
231	False positives in the early stages of drug discovery. *Current Medicinal Chemistry*, **2010**, 17, 4231-55	4.3	74
230	Structural and functional characterization of enantiomeric glutamic acid derivatives as potential transition state analogue inhibitors of MurD ligase. *Journal of Molecular Biology*, **2007**, 370, 107-15	6.5	74
229	Endocrine disruptome--an open source prediction tool for assessing endocrine disruption potential through nuclear receptor binding. *Journal of Chemical Information and Modeling*, **2014**, 54, 1254-67	6.1	73
228	Development of an in-vivo active reversible butyrylcholinesterase inhibitor. *Scientific Reports*, **2016**, 6, 39495	4.9	72
227	Inhibitors of 17beta-hydroxysteroid dehydrogenase type 1. *Current Medicinal Chemistry*, **2008**, 15, 137-50	4.3	71
226	Design, synthesis and biological evaluation of new phthalimide and saccharin derivatives with alicyclic amines targeting cholinesterases, beta-secretase and amyloid beta aggregation. *European Journal of Medicinal Chemistry*, **2017**, 125, 676-695	6.8	70
225	The Magic of Crystal Structure-Based Inhibitor Optimization: Development of a Butyrylcholinesterase Inhibitor with Picomolar Affinity and in Vivo Activity. *Journal of Medicinal Chemistry*, **2018**, 61, 119-139	8.3	70
224	5-Benzylidenethiazolidin-4-ones as multitarget inhibitors of bacterial Mur ligases. *ChemMedChem*, **2010**, 5, 286-95	3.7	63
223	Novel mechanism of cathepsin B inhibition by antibiotic nitroxoline and related compounds. *ChemMedChem*, **2011**, 6, 1351-6	3.7	62
222	Discovery of novel benzene 1,3-dicarboxylic acid inhibitors of bacterial MurD and MurE ligases by structure-based virtual screening approach. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 2668-73	2.9	61
221	Novel multi-target-directed ligands for Alzheimer's disease: Combining cholinesterase inhibitors and 5-HT receptor antagonists. Design, synthesis and biological evaluation. *European Journal of Medicinal Chemistry*, **2016**, 124, 63-81	6.8	58

220	Structure-based design of a new series of D-glutamic acid based inhibitors of bacterial UDP-N-acetylmuramoyl-L-alanine:D-glutamate ligase (MurD). *Journal of Medicinal Chemistry*, **2011**, 54, 4600-10	8.3	56
219	New 5-benzylidenethiazolidin-4-one inhibitors of bacterial MurD ligase: design, synthesis, crystal structures, and biological evaluation. *European Journal of Medicinal Chemistry*, **2011**, 46, 5512-23	6.8	55
218	Structure-activity relationships of new cyanothiophene inhibitors of the essential peptidoglycan biosynthesis enzyme MurF. *European Journal of Medicinal Chemistry*, **2013**, 66, 32-45	6.8	53
217	Multi-target-directed ligands for treating Alzheimer's disease: Butyrylcholinesterase inhibitors displaying antioxidant and neuroprotective activities. *European Journal of Medicinal Chemistry*, **2018**, 156, 598-617	6.8	51
216	Design, synthesis and structure-activity relationships of new phosphinate inhibitors of MurD. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 343-8	2.9	51
215	Antibacterial and β-Lactamase Inhibitory Activity of Monocyclic β-Lactams. *Medicinal Research Reviews*, **2018**, 38, 426-503	14.4	49
214	Design, synthesis, and evaluation of new thiadiazole-based direct inhibitors of enoyl acyl carrier protein reductase (InhA) for the treatment of tuberculosis. *Journal of Medicinal Chemistry*, **2015**, 58, 613-24	8.3	48
213	Development of new cathepsin B inhibitors: combining bioisosteric replacements and structure-based design to explore the structure-activity relationships of nitroxoline derivatives. *Journal of Medicinal Chemistry*, **2013**, 56, 521-33	8.3	48
212	Development of multifunctional, heterodimeric isoindoline-1,3-dione derivatives as cholinesterase and β-amyloid aggregation inhibitors with neuroprotective properties. *European Journal of Medicinal Chemistry*, **2015**, 92, 738-49	6.8	48
211	Synthesis and biological evaluation of (6- and 7-phenyl) coumarin derivatives as selective nonsteroidal inhibitors of 17β-hydroxysteroid dehydrogenase type 1. *Journal of Medicinal Chemistry*, **2011**, 54, 248-61	8.3	48
210	Nitroxoline impairs tumor progression in vitro and in vivo by regulating cathepsin B activity. *Oncotarget*, **2015**, 6, 19027-42	3.3	48
209	Inhibitors of the peptidoglycan biosynthesis enzymes MurA-F. *Bioorganic Chemistry*, **2014**, 55, 2-15	5.1	47
208	Second-generation sulfonamide inhibitors of D-glutamic acid-adding enzyme: activity optimisation with conformationally rigid analogues of D-glutamic acid. *European Journal of Medicinal Chemistry*, **2011**, 46, 2880-94	6.8	47
207	A road map for prioritizing warheads for cysteine targeting covalent inhibitors. *European Journal of Medicinal Chemistry*, **2018**, 160, 94-107	6.8	47
206	LiSiCA: A Software for Ligand-Based Virtual Screening and Its Application for the Discovery of Butyrylcholinesterase Inhibitors. *Journal of Chemical Information and Modeling*, **2015**, 55, 1521-8	6.1	46
205	Discovery of new inhibitors of the bacterial peptidoglycan biosynthesis enzymes MurD and MurF by structure-based virtual screening. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 1884-9	3.4	46
204	N-Propargylpiperidines with naphthalene-2-carboxamide or naphthalene-2-sulfonamide moieties: Potential multifunctional anti-Alzheimer's agents. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 633-645	3.4	43
203	Antifungal activity of cinnamic acid derivatives involves inhibition of benzoate 4-hydroxylase (CYP53). *Journal of Applied Microbiology*, **2014**, 116, 955-66	4.7	42

202	Synthesis and biological evaluation of new glutamic acid-based inhibitors of MurD ligase. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 153-7	2.9	40
201	Cinnamic acids as new inhibitors of 17beta-hydroxysteroid dehydrogenase type 5 (AKR1C3). *Molecular and Cellular Endocrinology*, **2006**, 248, 233-5	4.4	40
200	Melanin is crucial for growth of the black yeast Hortaea werneckii in its natural hypersaline environment. *Fungal Biology*, **2013**, 117, 368-79	2.8	39
199	A new approach towards peptidosulfonamides: synthesis of potential inhibitors of bacterial peptidoglycan biosynthesis enzymes MurD and MurE. *Tetrahedron*, **2006**, 62, 10980-10988	2.4	39
198	Nonsteroidal anti-inflammatory drugs and their analogues as inhibitors of aldo-keto reductase AKR1C3: new lead compounds for the development of anticancer agents. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 5170-5	2.9	39
197	Structure-based development of nitroxoline derivatives as potential multifunctional anti-Alzheimer agents. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 4442-4452	3.4	38
196	Design, Synthesis, and Biological Evaluation of 1-Benzylamino-2-hydroxyalkyl Derivatives as New Potential Disease-Modifying Multifunctional Anti-Alzheimer's Agents. *ACS Chemical Neuroscience*, **2018**, 9, 1074-1094	5.7	37
195	Isoindoline-1,3-dione derivatives targeting cholinesterases: design, synthesis and biological evaluation of potential anti-Alzheimer's agents. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 1629-37	3.4	37
194	Design and synthesis of new hydroxyethylamines as inhibitors of D-alanyl-D-lactate ligase (VanA) and D-alanyl-D-alanine ligase (DdlB). *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 1376-9	2.9	37
193	Design, synthesis, biochemical evaluation and antimycobacterial action of phosphonate inhibitors of antigen 85C, a crucial enzyme involved in biosynthesis of the mycobacterial cell wall. *European Journal of Medicinal Chemistry*, **2007**, 42, 54-63	6.8	37
192	Biochemical characterization and physiological properties of Escherichia coli UDP-N-acetylmuramate:L-alanyl-gamma-D-glutamyl-meso-diaminopimelate ligase. *Journal of Bacteriology*, **2007**, 189, 3987-95	3.5	37
191	Dual inhibitors of cholinesterases and monoamine oxidases for Alzheimer's disease. *Future Medicinal Chemistry*, **2017**, 9, 811-832	4.1	35
190	Synthesis and structure-activity relationship study of novel quinazolinone-based inhibitors of MurA. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 3529-3533	2.9	35
189	Dual Inhibitor of MurD and MurE Ligases from Escherichia coli and Staphylococcus aureus. *ACS Medicinal Chemistry Letters*, **2012**, 3, 626-30	4.3	35
188	Discovery of new inhibitors of D-alanine:D-alanine ligase by structure-based virtual screening. *Journal of Medicinal Chemistry*, **2008**, 51, 7442-8	8.3	35
187	Phytoestrogens as inhibitors of the human progesterone metabolizing enzyme AKR1C1. *Molecular and Cellular Endocrinology*, **2006**, 259, 30-42	4.4	35
186	Synthesis of new N-benzylpiperidine derivatives as cholinesterase inhibitors with β-amyloid anti-aggregation properties and beneficial effects on memory in vivo. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 2445-57	3.4	34
185	Inhibition of D-Ala:D-Ala ligase through a phosphorylated form of the antibiotic D-cycloserine. *Nature Communications*, **2017**, 8, 1939	17.4	34

184	Tryptophan-derived butyrylcholinesterase inhibitors as promising leads against Alzheimer's disease. *Chemical Communications*, **2019**, 55, 3765-3768	5.8	33
183	Novel 2-thioxothiazolidin-4-one inhibitors of bacterial MurD ligase targeting D-Glu- and diphosphate-binding sites. *European Journal of Medicinal Chemistry*, **2011**, 46, 3964-75	6.8	33
182	Phosphorylated hydroxyethylamines as novel inhibitors of the bacterial cell wall biosynthesis enzymes MurC to MurF. *Bioorganic Chemistry*, **2009**, 37, 217-22	5.1	33
181	Diazenedicarboxamides as inhibitors of D-alanine-D-alanine ligase (Ddl). *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 2047-54	2.9	33
180	Flavonoids and cinnamic acid esters as inhibitors of fungal 17beta-hydroxysteroid dehydrogenase: a synthesis, QSAR and modelling study. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 7404-18	3.4	33
179	Novel Multitarget-Directed Ligands Aiming at Symptoms and Causes of Alzheimer's Disease. *ACS Chemical Neuroscience*, **2018**, 9, 1195-1214	5.7	32
178	Flavonoids and cinnamic acid derivatives as inhibitors of 17beta-hydroxysteroid dehydrogenase type 1. *Molecular and Cellular Endocrinology*, **2009**, 301, 229-34	4.4	32
177	Phosphonate inhibitors of antigen 85C, a crucial enzyme involved in the biosynthesis of the Mycobacterium tuberculosis cell wall. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 3559-62	2.9	32
176	Nonpeptidic Selective Inhibitors of the Chymotrypsin-Like (β5i) Subunit of the Immunoproteasome. *Angewandte Chemie - International Edition*, **2016**, 55, 5745-8	16.4	31
175	Recent advances in design, synthesis and biological activity of aminoalkylsulfonates and sulfonamidopeptides. *Current Medicinal Chemistry*, **2004**, 11, 3263-78	4.3	31
174	Design and synthesis of novel N-benzylidenesulfonohydrazide inhibitors of MurC and MurD as potential antibacterial agents. *Molecules*, **2008**, 13, 11-30	4.8	30
173	New noncovalent inhibitors of penicillin-binding proteins from penicillin-resistant bacteria. *PLoS ONE*, **2011**, 6, e19418	3.7	30
172	Clioquinol-ruthenium complex impairs tumour cell invasion by inhibiting cathepsin B activity. *Dalton Transactions*, **2016**, 45, 16913-16921	4.3	29
171	A new 'golden age' for the antitubercular target InhA. *Drug Discovery Today*, **2017**, 22, 492-502	8.8	29
170	Novel toll-like receptor 4 (TLR4) antagonists identified by structure- and ligand-based virtual screening. *European Journal of Medicinal Chemistry*, **2013**, 70, 393-9	6.8	28
169	Synthesis and biological evaluation of N-acylhydrazones as inhibitors of MurC and MurD ligases. *ChemMedChem*, **2008**, 3, 1362-70	3.7	28
168	Synthesis of aminoboronic acid derivatives: an update on recent advances. *Organic Chemistry Frontiers*, **2019**, 6, 2991-2998	5.2	27
167	Benzene-1,3-dicarboxylic acid 2,5-dimethylpyrrole derivatives as multiple inhibitors of bacterial Mur ligases (MurC-MurF). *Bioorganic and Medicinal Chemistry*, **2014**, 22, 4124-34	3.4	27

166	Phosphinate inhibitors of UDP-N-acetylmuramoyl-L-alanyl-D-glutamate: L-lysine ligase (MurE). *Archiv Der Pharmazie*, **2007**, 340, 127-34	4.3	27
165	Synthesis of N-phthalimido aminoethanesulfonyl chlorides: the use of thionyl chloride for a simple and efficient synthesis of new peptidosulfonamide building blocks. *Tetrahedron Letters*, **2005**, 46, 4069-4072	2	27
164	Progestins as inhibitors of the human 20-ketosteroid reductases, AKR1C1 and AKR1C3. *Chemico-Biological Interactions*, **2011**, 191, 227-33	5	25
163	Inhibitors of aldo-keto reductases AKR1C1-AKR1C4. *Current Medicinal Chemistry*, **2011**, 18, 2554-65	4.3	25
162	Development of screening assays and discovery of initial inhibitors of pneumococcal peptidoglycan deacetylase PgdA. *Biochemical Pharmacology*, **2011**, 82, 43-52	6	24
161	Structure guided development of potent reversibly binding penicillin binding protein inhibitors. *ACS Medicinal Chemistry Letters*, **2011**, 2, 219-23	4.3	24
160	4,6-Substituted-1,3,5-triazin-2(1H)-ones as monocyclic catalytic inhibitors of human DNA topoisomerase II targeting the ATP binding site. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 4218-4229	3.4	23
159	Specificity determinants for lysine incorporation in Staphylococcus aureus peptidoglycan as revealed by the structure of a MurE enzyme ternary complex. *Journal of Biological Chemistry*, **2013**, 288, 33439-48	5.4	23
158	MurD enzymes: some recent developments. *Biomolecular Concepts*, **2013**, 4, 539-56	3.7	23
157	Synthesis, Molecular Modelling and Biological Evaluation of Novel Heterodimeric, Multiple Ligands Targeting Cholinesterases and Amyloid Beta. *Molecules*, **2016**, 21, 410	4.8	23
156	Cobalt-Catalyzed Cross-Coupling of Grignards with Allylic and Vinylic Bromides: Use of Sarcosine as a Natural Ligand. *Journal of Organic Chemistry*, **2015**, 80, 7803-9	4.2	22
155	Cinnamic acid esters as potent inhibitors of fungal 17beta-hydroxysteroid dehydrogenase--a model enzyme of the short-chain dehydrogenase/reductase superfamily. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 3933-6	2.9	22
154	Recent advances in the synthesis and applications of reduced amide pseudopeptides. *Current Medicinal Chemistry*, **2009**, 16, 2289-304	4.3	21
153	New cyclopentane derivatives as inhibitors of steroid metabolizing enzymes AKR1C1 and AKR1C3. *European Journal of Medicinal Chemistry*, **2009**, 44, 2563-71	6.8	21
152	Discovery of Mycobacterium tuberculosis InhA Inhibitors by Binding Sites Comparison and Ligands Prediction. *Journal of Medicinal Chemistry*, **2016**, 59, 11069-11078	8.3	21
151	Design, synthesis and evaluation of second generation MurF inhibitors based on a cyanothiophene scaffold. *European Journal of Medicinal Chemistry*, **2014**, 73, 83-96	6.8	20
150	Identification of Conserved Water Sites in Protein Structures for Drug Design. *Journal of Chemical Information and Modeling*, **2017**, 57, 3094-3103	6.1	20
149	Stereoselective Activity of 1-Propargyl-4-styrylpiperidine-like Analogues That Can Discriminate between Monoamine Oxidase Isoforms A and B. *Journal of Medicinal Chemistry*, **2020**, 63, 1361-1387	8.3	20

148	Inhibition of endopeptidase and exopeptidase activity of cathepsin B impairs extracellular matrix degradation and tumour invasion. *Biological Chemistry*, **2016**, 397, 165-74	4.5	19
147	Design, Synthesis, and Biological Evaluation of 2-(Benzylamino-2-Hydroxyalkyl)Isoindoline-1,3-Diones Derivatives as Potential Disease-Modifying Multifunctional Anti-Alzheimer Agents. *Molecules*, **2018**, 23,	4.8	19
146	Ellipticines and 9-acridinylamines as inhibitors of D-alanine:D-alanine ligase. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 5137-46	3.4	19
145	Organoruthenated Nitroxoline Derivatives Impair Tumor Cell Invasion through Inhibition of Cathepsin B Activity. *Inorganic Chemistry*, **2019**, 58, 12334-12347	5.1	18
144	Furan-based benzene mono- and dicarboxylic acid derivatives as multiple inhibitors of the bacterial Mur ligases (MurC-MurF): experimental and computational characterization. *Journal of Computer-Aided Molecular Design*, **2015**, 29, 541-60	4.2	18
143	Synthesis and Biological Assessment of Racemic Benzochromenopyrimidinimines as Antioxidant, Cholinesterase, and Aβ-42 Aggregation Inhibitors for Alzheimer's Disease Therapy. *ChemMedChem*, **2016**, 11, 1318-27	3.7	18
142	Small molecule inhibitors of peptidoglycan synthesis targeting the lipid II precursor. *Biochemical Pharmacology*, **2011**, 81, 1098-105	6	18
141	6-Arylpyrido[2,3-d]pyrimidines as novel ATP-competitive inhibitors of bacterial D-alanine:D-alanine ligase. *PLoS ONE*, **2012**, 7, e39922	3.7	18
140	Synthesis of 1-C-linked diphosphate analogues of UDP-N-Ac-glucosamine and UDP-N-Ac-muramic acid. *Tetrahedron*, **2008**, 64, 9093-9100	2.4	18
139	1-Benzylpyrrolidine-3-amine-based BuChE inhibitors with anti-aggregating, antioxidant and metal-chelating properties as multifunctional agents against Alzheimer's disease. *European Journal of Medicinal Chemistry*, **2020**, 187, 111916	6.8	18
138	Structure-Activity Relationships of Novel Tryptamine-Based Inhibitors of Bacterial Transglycosylase. *Journal of Medicinal Chemistry*, **2015**, 58, 9712-21	8.3	17
137	Inhibitor design strategy based on an enzyme structural flexibility: a case of bacterial MurD ligase. *Journal of Chemical Information and Modeling*, **2014**, 54, 1451-66	6.1	17
136	MurD enzymes from different bacteria: evaluation of inhibitors. *Biochemical Pharmacology*, **2012**, 84, 625-32	6	17
135	Cinnamates and cinnamamides inhibit fungal 17beta-hydroxysteroid dehydrogenase. *Molecular and Cellular Endocrinology*, **2006**, 248, 239-41	4.4	17
134	New direct inhibitors of InhA with antimycobacterial activity based on a tetrahydropyran scaffold. *European Journal of Medicinal Chemistry*, **2016**, 112, 252-257	6.8	16
133	Selective inhibitors of aldo-keto reductases AKR1C1 and AKR1C3 discovered by virtual screening of a fragment library. *Journal of Medicinal Chemistry*, **2012**, 55, 7417-24	8.3	16
132	Synthesis and Biological Evaluation of Benzochromenopyrimidinones as Cholinesterase Inhibitors and Potent Antioxidant, Non-Hepatotoxic Agents for Alzheimer's Disease. *Molecules*, **2016**, 21,	4.8	16
131	Chalcone derivatives: synthesis, and evaluation of their anti-anxiety, anti-depression and analgesic effects. *Heliyon*, **2019**, 5, e01376	3.6	15

130	Virtual screening for potential inhibitors of bacterial MurC and MurD ligases. *Journal of Molecular Modeling*, **2012**, 18, 1063-72	2	15
129	D-Glucosamine in iron-catalysed cross-coupling reactions of Grignards with allylic and vinylic bromides: application to the synthesis of a key sitagliptin precursor. *Applied Organometallic Chemistry*, **2015**, 29, 528-535	3.1	15
128	Redox-based inactivation of cysteine cathepsins by compounds containing the 4-aminophenol moiety. *PLoS ONE*, **2011**, 6, e27197	3.7	15
127	Discovery and kinetic evaluation of 6-substituted 4-benzylthio-1,3,5-triazin-2(1H)-ones as inhibitors of cathepsin B. *European Journal of Medicinal Chemistry*, **2011**, 46, 4648-56	6.8	15
126	Trihydroxynaphthalene reductase of Curvularia lunata--a target for flavonoid action?. *Chemico-Biological Interactions*, **2009**, 178, 259-67	5	15
125	Cathepsin X cleavage of the beta2 integrin regulates talin-binding and LFA-1 affinity in T cells. *Journal of Leukocyte Biology*, **2011**, 90, 99-109	6.5	15
124	Phytoestrogens as inhibitors of fungal 17beta-hydroxysteroid dehydrogenase. *Steroids*, **2005**, 70, 626-35	2.8	15
123	Phytoestrogens as inhibitors of fungal 17beta-hydroxysteroid dehydrogenase. *Steroids*, **2005**, 70, 694-703	2.8	15
122	New lipophilic phthalimido- and 3-phenoxybenzyl sulfonates: inhibition of antigen 85C mycolyltransferase activity and cytotoxicity. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2006**, 21, 391-7	5.6	15
121	N-alkylpiperidine carbamates as potential anti-Alzheimer's agents. *European Journal of Medicinal Chemistry*, **2020**, 197, 112282	6.8	15
120	Discovery of new MurA inhibitors using induced-fit simulation and docking. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 944-949	2.9	14
119	Cathepsin B inhibitors: Further exploration of the nitroxoline core. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 1239-1247	2.9	14
118	N-Benzoyl anthranilic acid derivatives as selective inhibitors of aldo-keto reductase AKR1C3. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 5948-51	2.9	14
117	Synthesis of pyrazolo[1,2-a]pyrazole-based peptide mimetics. *Tetrahedron*, **2013**, 69, 6648-6665	2.4	14
116	Epoxide opening with amino acids: improved synthesis of hydroxyethylamine dipeptide isosteres. *Tetrahedron Letters*, **2006**, 47, 1733-1735	2	14
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114	Reaching toward underexplored targets in antibacterial drug design. *Drug Development Research*, **2019**, 80, 6-10	5.1	14
113	Structure-guided optimization of 4,6-substituted-1,3,5-triazin-2(1H)-ones as catalytic inhibitors of human DNA topoisomerase II *European Journal of Medicinal Chemistry*, **2019**, 175, 330-348	6.8	13

112	Molecular dynamics to enhance structure-based virtual screening on cathepsin B. *Journal of Computer-Aided Molecular Design*, **2015**, 29, 707-12	4.2	13
111	A patent review of immunoproteasome inhibitors. *Expert Opinion on Therapeutic Patents*, **2018**, 28, 517-548	6.8	13
110	Novel inhibitors of trihydroxynaphthalene reductase with antifungal activity identified by ligand-based and structure-based virtual screening. *Journal of Chemical Information and Modeling*, **2011**, 51, 1716-24	6.1	13
109	A Novel Scalable Synthesis of Pramipexole. *Organic Process Research and Development*, **2010**, 14, 1125-1129	3.9	13
108	Derivatives of pyrimidine, phthalimide and anthranilic acid as inhibitors of human hydroxysteroid dehydrogenase AKR1C1. *Chemico-Biological Interactions*, **2009**, 178, 158-64	5	13
107	Synthesis of ethyl 3-(hydroxyphenoxy)benzyl butylphosphonates as potential antigen 85C inhibitors. *Tetrahedron*, **2007**, 63, 10698-10708	2.4	13
106	Straightforward synthesis of orthogonally protected piperidin-3-ylmethanamine and piperidin-4-ylmethanamine derivatives. *Tetrahedron Letters*, **2014**, 55, 2037-2039	2	12
105	Function of the D-alanine:D-alanine ligase lid loop: a molecular modeling and bioactivity study. *Journal of Medicinal Chemistry*, **2012**, 55, 6849-56	8.3	12
104	Expression of human aldo-keto reductase 1C2 in cell lines of peritoneal endometriosis: potential implications in metabolism of progesterone and dydrogesterone and inhibition by progestins. *Journal of Steroid Biochemistry and Molecular Biology*, **2012**, 130, 16-25	5.1	12
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101	New antagonists of toll-like receptor 7 discovered through 3D ligand-based virtual screening. *Medicinal Chemistry Research*, **2015**, 24, 362-371	2.2	11
100	Multiple Ligands Targeting Cholinesterases and β-Amyloid: Synthesis, Biological Evaluation of Heterodimeric Compounds with Benzylamine Pharmacophore. *Archiv Der Pharmazie*, **2015**, 348, 556-63	4.3	11
99	Biochemical and biological evaluation of novel potent coumarin inhibitor of 17β-HSD type 1. *Chemico-Biological Interactions*, **2011**, 191, 60-5	5	11
98	Discovery of new inhibitors of aldo-keto reductase 1C1 by structure-based virtual screening. *Molecular and Cellular Endocrinology*, **2009**, 301, 245-50	4.4	11
97	Microwave-assisted synthesis of hydroxyethylamine dipeptide isosteres. *Tetrahedron*, **2007**, 63, 141-147	2.4	11
96	Addition of 2-(ethylamino)acetonitrile group to nitroxoline results in significantly improved anti-tumor activity and. *Oncotarget*, **2017**, 8, 59136-59147	3.3	11
95	Crystallographic Study of Peptidoglycan Biosynthesis Enzyme MurD: Domain Movement Revisited. *PLoS ONE*, **2016**, 11, e0152075	3.7	11

94	A microwave-assisted nucleophilic substitution reaction on a quinoline system: the synthesis of amino analogues of nitroxoline. *Tetrahedron Letters*, **2012**, 53, 1964-1967	2	10
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92	The binding mode of second-generation sulfonamide inhibitors of MurD: clues for rational design of potent MurD inhibitors. *PLoS ONE*, **2012**, 7, e52817	3.7	10
91	The Synthesis of Novel 2,4,6-Trisubstituted 1,3,5-Triazines: A Search for Potential MurF Enzyme Inhibitors. *Heterocycles*, **2010**, 81, 91	0.8	10
90	Novel inhibitors of beta-ketoacyl-ACP reductase from Escherichia coli. *Chemico-Biological Interactions*, **2009**, 178, 310-6	5	10
89	Pyrimido[1,2-b]indazole derivatives: Selective inhibitors of human monoamine oxidase B with neuroprotective activity. *European Journal of Medicinal Chemistry*, **2021**, 209, 112911	6.8	10
88	Assessment of Tractable Cysteines for Covalent Targeting by Screening Covalent Fragments. *ChemBioChem*, **2021**, 22, 743-753	3.8	10
87	Selective Toll-like receptor 7 agonists with novel chromeno[3,4-d]imidazol-4(1H)-one and 2-(trifluoromethyl)quinoline/ quinazoline-4-amine scaffolds. *European Journal of Medicinal Chemistry*, **2019**, 179, 109-122	6.8	9
86	In silico identification, synthesis and biological evaluation of novel tetrazole inhibitors of MurB. *Chemical Biology and Drug Design*, **2018**, 91, 1101-1112	2.9	9
85	In Silico Design and Enantioselective Synthesis of Functionalized Monocyclic 3-Amino-1-carboxymethyl-β-lactams as Inhibitors of Penicillin-Binding Proteins of Resistant Bacteria. *Chemistry - A European Journal*, **2018**, 24, 15254-15266	4.8	9
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83	Towards the first inhibitors of trihydroxynaphthalene reductase from Curvularia lunata: synthesis of artificial substrate, homology modelling and initial screening. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 5881-9	3.4	9
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