Stanislav Gobec

List of Publications by Year
in descending order

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248 papers	7,223 citations	61984 43 h-index	98798 67 g-index

257 all docs	257 docs citations	257 times ranked	8232 citing authors

#	Article	IF	Citations
1	Cytoplasmic steps of peptidoglycan biosynthesis. FEMS Microbiology Reviews, 2008, 32, 168-207.	8.6	583
2	Discovery, Biological Evaluation, and Crystal Structure of a Novel Nanomolar Selective Butyrylcholinesterase Inhibitor. Journal of Medicinal Chemistry, 2014, 57, 8167-8179.	6.4	220
3	Discovery of Novel 5-Benzylidenerhodanine and 5-Benzylidenethiazolidine-2,4-dione Inhibitors of MurD Ligase. Journal of Medicinal Chemistry, 2010, 53, 6584-6594.	6.4	115
4	Endocrine Disruptomeâ€"An Open Source Prediction Tool for Assessing Endocrine Disruption Potential through Nuclear Receptor Binding. Journal of Chemical Information and Modeling, 2014, 54, 1254-1267.	5.4	113
5	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.	6.4	112
6	Inhibitors of Cathepsin B. Current Medicinal Chemistry, 2006, 13, 2309-2327.	2.4	106
7	Development of an in-vivo active reversible butyrylcholinesterase inhibitor. Scientific Reports, 2016, 6, 39495.	3.3	105
8	False Positives in the Early Stages of Drug Discovery. Current Medicinal Chemistry, 2010, 17, 4231-4255.	2.4	96
9	Structural characterization and biological evaluation of a clioquinolâ€"ruthenium complex with copper-independent antileukaemic activity. Dalton Transactions, 2014, 43, 9045-9051.	3.3	88
10	Novel Naphthalene-N-sulfonyl-<scp>d</scp>-glutamic Acid Derivatives as Inhibitors of MurD, a Key Peptidoglycan Biosynthesis Enzyme,. Journal of Medicinal Chemistry, 2008, 51, 7486-7494.	6.4	86
11	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.	5.5	85
12	Structural and Functional Characterization of Enantiomeric Glutamic Acid Derivatives as Potential Transition State Analogue Inhibitors of MurD Ligase. Journal of Molecular Biology, 2007, 370, 107-115.	4.2	83
13	A road map for prioritizing warheads for cysteine targeting covalent inhibitors. European Journal of Medicinal Chemistry, 2018, 160, 94-107.	5.5	80
14	Inhibitors of 17β-Hydroxysteroid Dehydrogenase Type 1. Current Medicinal Chemistry, 2008, 15, 137-150.	2.4	78
15	Inhibitors of the peptidoglycan biosynthesis enzymes MurA-F. Bioorganic Chemistry, 2014, 55, 2-15.	4.1	78
16	Novel Mechanism of Cathepsinâ€...B Inhibition by Antibiotic Nitroxoline and Related Compounds. ChemMedChem, 2011, 6, 1351-1356.	3.2	75
17	Antibacterial and Î²â€Lactamase Inhibitory Activity of Monocyclic Î²â€Lactams. Medicinal Research Reviews, 2018, 38, 426-503.	10.5	73
18	5â€Benzylidenethiazolidinâ€4â€ones as Multitarget Inhibitors of Bacterial Mur Ligases. ChemMedChem, 2010, 5, 286-295.	3.2	72

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19	Novel multi-target-directed ligands for Alzheimer's disease: Combining cholinesterase inhibitors and 5-HT 6 receptor antagonists. Design, synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2016, 124, 63-81.	5.5	72
20	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.	5.5	72
21	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, 1521-1528.	5.4	70
22	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, 2668-2673.	2.2	67
23	Antifungal activity of cinnamic acid derivatives involves inhibition of benzoate 4-hydroxylase (CYP53). Journal of Applied Microbiology, 2014, 116, 955-966.	3.1	67
24	Structure-Based Design of a New Series of <scp>d</scp>-Glutamic Acid Based Inhibitors of Bacterial UDP-N-acetylmuramoyl-<scp>l</scp>-alanine:<scp>d</scp>-glutamate Ligase (MurD). Journal of Medicinal Chemistry, 2011, 54, 4600-4610.	6.4	64
25	Nitroxoline impairs tumor progression in vitro and in vivo by regulating cathepsin B activity. Oncotarget, 2015, 6, 19027-19042.	1.8	64
26	Structureâ€“activity relationships of new cyanothiophene inhibitors ofÂthe essential peptidoglycan biosynthesis enzyme MurF. European Journal of Medicinal Chemistry, 2013, 66, 32-45.	5.5	62
27	Synthesis and Biological Evaluation of (6- and 7-Phenyl) Coumarin Derivatives as Selective Nonsteroidal Inhibitors of 17Î²-Hydroxysteroid Dehydrogenase Type 1. Journal of Medicinal Chemistry, 2011, 54, 248-261.	6.4	61
28	New 5-benzylidenethiazolidin-4-one inhibitors of bacterial MurD ligase: Design, synthesis, crystal structures, and biological evaluation. European Journal of Medicinal Chemistry, 2011, 46, 5512-5523.	5.5	61
29	Melanin is crucial for growth of the black yeast Hortaea werneckii in its natural hypersaline environment. Fungal Biology, 2013, 117, 368-379.	2.5	60
30	Development of multifunctional, heterodimeric isoindoline-1,3-dione derivatives as cholinesterase and Î²-amyloid aggregation inhibitors with neuroprotective properties. European Journal of Medicinal Chemistry, 2015, 92, 738-749.	5.5	60
31	Tryptophan-derived butyrylcholinesterase inhibitors as promising leads against Alzheimer's disease. Chemical Communications, 2019, 55, 3765-3768.	4.1	60
32	Inhibition of D-Ala:D-Ala ligase through a phosphorylated form of the antibiotic D-cycloserine. Nature Communications, 2017, 8, 1939.	12.8	59
33	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, 613-624.	6.4	58
34	Design, synthesis and structureâ€“activity relationships of new phosphinate inhibitors of MurD. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 343-348.	2.2	57
35	Development of New Cathepsin B Inhibitors: Combining Bioisosteric Replacements and Structure-Based Design To Explore the Structureâ€“Activity Relationships of Nitroxoline Derivatives. Journal of Medicinal Chemistry, 2013, 56, 521-533.	6.4	56
36	Discovery of new inhibitors of the bacterial peptidoglycan biosynthesis enzymes MurD and MurF by structure-based virtual screening. Bioorganic and Medicinal Chemistry, 2009, 17, 1884-1889.	3.0	54

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37	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, 2880-2894.	5.5	51
38	Structure-based development of nitroxoline derivatives as potential multifunctional anti-Alzheimer agents. Bioorganic and Medicinal Chemistry, 2015, 23, 4442-4452.	3.0	50
39	N-Propargylpiperidines with naphthalene-2-carboxamide or naphthalene-2-sulfonamide moieties: Potential multifunctional anti-Alzheimerâ€™s agents. Bioorganic and Medicinal Chemistry, 2017, 25, 633-645.	3.0	49
40	Flavonoids and cinnamic acid derivatives as inhibitors of 17Î²-hydroxysteroid dehydrogenase type 1. Molecular and Cellular Endocrinology, 2009, 301, 229-234.	3.2	48
41	Biochemical Characterization and Physiological Properties of Escherichia coli UDP- N -Acetylmuramate: l -Alanyl-Î³- d -Glutamyl- meso - Diaminopimelate Ligase. Journal of Bacteriology, 2007, 189, 3987-3995.	2.2	47
42	Design, Synthesis, and Biological Evaluation of 1-Benzylamino-2-hydroxyalkyl Derivatives as New Potential Disease-Modifying Multifunctional Anti-Alzheimerâ€™s Agents. ACS Chemical Neuroscience, 2018, 9, 1074-1094.	3.5	47
43	Synthesis and structureâ€“activity relationship study of novel quinazolinone-based inhibitors of MurA. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3529-3533.	2.2	46
44	A new â€˜golden ageâ€™ for the antitubercular target InhA. Drug Discovery Today, 2017, 22, 492-502.	6.4	46
45	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, 5170-5175.	2.2	45
46	Cinnamic acids as new inhibitors of 17Î²-hydroxysteroid dehydrogenase type 5 (AKR1C3). Molecular and Cellular Endocrinology, 2006, 248, 233-235.	3.2	45
47	Dual Inhibitor of MurD and MurE Ligases from Escherichia coli and Staphylococcus aureus. ACS Medicinal Chemistry Letters, 2012, 3, 626-630.	2.8	45
48	Synthesis of aminoboronic acid derivatives: an update on recent advances. Organic Chemistry Frontiers, 2019, 6, 2991-2998.	4.5	45
49	Synthesis and biological evaluation of new glutamic acid-based inhibitors of MurD ligase. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 153-157.	2.2	44
50	Isoindoline-1,3-dione derivatives targeting cholinesterases: Design, synthesis and biological evaluation of potential anti-Alzheimerâ€™s agents. Bioorganic and Medicinal Chemistry, 2015, 23, 1629-1637.	3.0	44
51	Dual inhibitors of cholinesterases and monoamine oxidases for Alzheimerâ€™s disease. Future Medicinal Chemistry, 2017, 9, 811-832.	2.3	44
52	Novel Multitarget-Directed Ligands Aiming at Symptoms and Causes of Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2018, 9, 1195-1214.	3.5	44
53	Discovery of New Inhibitors of <scp>d</scp>-Alanine:<scp>d</scp>-Alanine Ligase by Structure-Based Virtual Screening. Journal of Medicinal Chemistry, 2008, 51, 7442-7448.	6.4	43
54	A new approach towards peptidosulfonamides: synthesis of potential inhibitors of bacterial peptidoglycan biosynthesis enzymes MurD and MurE. Tetrahedron, 2006, 62, 10980-10988.	1.9	42

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55	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.	5.5	42
56	Synthesis of new N-benzylpiperidine derivatives as cholinesterase inhibitors with Î²-amyloid anti-aggregation properties and beneficial effects on memory in vivo. Bioorganic and Medicinal Chemistry, 2015, 23, 2445-2457.	3.0	42
57	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, 1376-1379.	2.2	41
58	Chalcone derivatives: synthesis, inÂvitro and inÂvivo evaluation of their anti-anxiety, anti-depression and analgesic effects. Heliyon, 2019, 5, e01376.	3.2	41
59	Flavonoids and cinnamic acid esters as inhibitors of fungal 17Î²-hydroxysteroid dehydrogenase: A synthesis, QSAR and modelling study. Bioorganic and Medicinal Chemistry, 2006, 14, 7404-7418.	3.0	40
60	Phosphorylated hydroxyethylamines as novel inhibitors of the bacterial cell wall biosynthesis enzymes MurC to MurF. Bioorganic Chemistry, 2009, 37, 217-222.	4.1	39
61	Phytoestrogens as inhibitors of the human progesterone metabolizing enzyme AKR1C1. Molecular and Cellular Endocrinology, 2006, 259, 30-42.	3.2	38
62	Nonpeptidic Selective Inhibitors of the Chymotrypsinâ€Like (Î²5â€‰i) Subunit of the Immunoproteasome. Angewandte Chemie - International Edition, 2016, 55, 5745-5748.	13.8	38
63	Novel 2-thioxothiazolidin-4-one inhibitors of bacterial MurD ligase targeting d-Glu- and diphosphate-binding sites. European Journal of Medicinal Chemistry, 2011, 46, 3964-3975.	5.5	37
64	Diazenedicarboxamides as inhibitors of d-alanine-d-alanine ligase (Ddl). Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2047-2054.	2.2	36
65	New Noncovalent Inhibitors of Penicillin-Binding Proteins from Penicillin-Resistant Bacteria. PLoS ONE, 2011, 6, e19418.	2.5	36
66	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, 3559-3562.	2.2	35
67	Novel toll-like receptor 4 (TLR4) antagonists identified by structure- and ligand-based virtual screening. European Journal of Medicinal Chemistry, 2013, 70, 393-399.	5.5	35
68	Design and Synthesis of Novel N-Benzylidenesulfonohydrazide Inhibitors of MurC and MurD as Potential Antibacterial Agents. Molecules, 2008, 13, 11-30.	3.8	34
69	Inhibitors of Aldo-Keto Reductases AKR1C1-AKR1C4. Current Medicinal Chemistry, 2011, 18, 2554-2565.	2.4	34
70	Benzene-1,3-dicarboxylic acid 2,5-dimethylpyrrole derivatives as multiple inhibitors of bacterial Mur ligases (MurCâ€“MurF). Bioorganic and Medicinal Chemistry, 2014, 22, 4124-4134.	3.0	34
71	Identification of Conserved Water Sites in Protein Structures for Drug Design. Journal of Chemical Information and Modeling, 2017, 57, 3094-3103.	5.4	34
72	Indoleamine and tryptophan 2,3-dioxygenases as important future therapeutic targets. , 2021, 221, 107746.		34

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73	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, 33439-33448.	3.4	33
74	Clioquinolâ€“ruthenium complex impairs tumour cell invasion by inhibiting cathepsin B activity. Dalton Transactions, 2016, 45, 16913-16921.	3.3	33
75	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.	6.4	33
76	1-Benzylpyrrolidine-3-amine-based BuChE inhibitors with anti-aggregating, antioxidant and metal-chelating properties as multifunctional agents against Alzheimerâ€™s disease. European Journal of Medicinal Chemistry, 2020, 187, 111916.	5.5	33
77	N-alkylpiperidine carbamates as potential anti-Alzheimerâ€™s agents. European Journal of Medicinal Chemistry, 2020, 197, 112282.	5.5	33
78	Recent Advances in Design, Synthesis and Biological Activity of Aminoalkylsulfonates and Sulfonamidopeptides. Current Medicinal Chemistry, 2004, 11, 3263-3278.	2.4	32
79	Phosphinate Inhibitors of UDP-N-Acetylmuramoyl-L-Alanyl-D-Glutamate:L-Lysine Ligase (MurE). Archiv Der Pharmazie, 2007, 340, 127-134.	4.1	31
80	Synthesis and Biological Evaluation of Nâ€Acylhydrazones as Inhibitors of MurC and MurD Ligases. ChemMedChem, 2008, 3, 1362-1370.	3.2	31
81	Synthesis of N-phthalimido Î²-aminoethanesulfonyl chlorides: the use of thionyl chloride for a simple and efficient synthesis of new peptidosulfonamide building blocks. Tetrahedron Letters, 2005, 46, 4069-4072.	1.4	30
82	Progestins as inhibitors of the human 20-ketosteroid reductases, AKR1C1 and AKR1C3. Chemico-Biological Interactions, 2011, 191, 227-233.	4.0	30
83	Cobalt-Catalyzed Cross-Coupling of Grignards with Allylic and Vinylic Bromides: Use of Sarcosine as a Natural Ligand. Journal of Organic Chemistry, 2015, 80, 7803-7809.	3.2	30
84	Development of screening assays and discovery of initial inhibitors of pneumococcal peptidoglycan deacetylase PgdA. Biochemical Pharmacology, 2011, 82, 43-52.	4.4	29
85	Synthesis, Molecular Modelling and Biological Evaluation of Novel Heterodimeric, Multiple Ligands Targeting Cholinesterases and Amyloid Beta. Molecules, 2016, 21, 410.	3.8	29
86	Inhibition of endopeptidase and exopeptidase activity of cathepsin B impairs extracellular matrix degradation and tumour invasion. Biological Chemistry, 2016, 397, 165-174.	2.5	29
87	Structure Guided Development of Potent Reversibly Binding Penicillin Binding Protein Inhibitors. ACS Medicinal Chemistry Letters, 2011, 2, 219-223.	2.8	28
88	MurD enzymes: some recent developments. Biomolecular Concepts, 2013, 4, 539-556.	2.2	28
89	Organoruthenated Nitroxoline Derivatives Impair Tumor Cell Invasion through Inhibition of Cathepsin B Activity. Inorganic Chemistry, 2019, 58, 12334-12347.	4.0	28
90	Reaching toward underexplored targets in antibacterial drug design. Drug Development Research, 2019, 80, 6-10.	2.9	28

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91	4,6-Substituted-1,3,5-triazin-2(1H)-ones as monocyclic catalytic inhibitors of human DNA topoisomerase IIÎ± targeting the ATP binding site. Bioorganic and Medicinal Chemistry, 2015, 23, 4218-4229.	3.0	27
92	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, 347.	3.8	27
93	New cyclopentane derivatives as inhibitors of steroid metabolizing enzymes AKR1C1 and AKR1C3. European Journal of Medicinal Chemistry, 2009, 44, 2563-2571.	5.5	26
94	Ellipticines and 9-acridinylamines as inhibitors of d-alanine:d-alanine ligase. Bioorganic and Medicinal Chemistry, 2011, 19, 5137-5146.	3.0	26
95	Discovery of ‹i›Mycobacterium tuberculosis‹/i› InhA Inhibitors by Binding Sites Comparison and Ligands Prediction. Journal of Medicinal Chemistry, 2016, 59, 11069-11078.	6.4	26
96	Cinnamic acid esters as potent inhibitors of fungal 17Î²-hydroxysteroid dehydrogenaseâ€“â€“a model enzyme of the short-chain dehydrogenase/reductase superfamily. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3933-3936.	2.2	25
97	Design, synthesis and evaluation of second generation MurF inhibitors based on a cyanothiophene scaffold. European Journal of Medicinal Chemistry, 2014, 73, 83-96.	5.5	25
98	Synthesis and Biological Assessment of Racemic Benzochromenopyrimidinimines as Antioxidant, Cholinesterase, and Aβ‹sub›1–42‹/sub› Aggregation Inhibitors for Alzheimer's Disease Therapy. ChemMedChem, 2016, 11, 1318-1327.	3.2	24
99	Discovery of new MurA inhibitors using induced-fit simulation and docking. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 944-949.	2.2	24
100	Synthesis of 1-C-linked diphosphate analogues of UDP-N-Ac-glucosamine and UDP-N-Ac-muramic acid. Tetrahedron, 2008, 64, 9093-9100.	1.9	23
101	Recent Advances in the Synthesis and Applications of Reduced Amide Pseudopeptides. Current Medicinal Chemistry, 2009, 16, 2289-2304.	2.4	23
102	Cathepsin B inhibitors: Further exploration of the nitroxoline core. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1239-1247.	2.2	23
103	Pyrimido[1,2-b]indazole derivatives: Selective inhibitors of human monoamine oxidase B with neuroprotective activity. European Journal of Medicinal Chemistry, 2021, 209, 112911.	5.5	23
104	Synthesis and Biological Evaluation of Benzochromenopyrimidinones as Cholinesterase Inhibitors and Potent Antioxidant, Non-Hepatotoxic Agents for Alzheimerâ€™s Disease. Molecules, 2016, 21, 634.	3.8	22
105	Heterocyclic electrophiles as new MurA inhibitors. Archiv Der Pharmazie, 2018, 351, e1800184.	4.1	22
106	Recent Advances in the Synthesis of Acylboranes and Their Widening Applicability. ACS Omega, 2020, 5, 17868-17875.	3.5	22
107	Cinnamic Acid Derivatives Induce Cell Cycle Arrest in Carcinoma Cell Lines. Medicinal Chemistry, 2013, 9, 633-641.	1.5	22
108	6-Arylpyrido[2,3-d]pyrimidines as Novel ATP-Competitive Inhibitors of Bacterial D-Alanine:D-Alanine Ligase. PLoS ONE, 2012, 7, e39922.	2.5	21

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109	Inhibitor Design Strategy Based on an Enzyme Structural Flexibility: A Case of Bacterial MurD Ligase. Journal of Chemical Information and Modeling, 2014, 54, 1451-1466.	5.4	21
110	Furan-based benzene mono- and dicarboxylic acid derivatives as multiple inhibitors of the bacterial Mur ligases (MurCâ€“MurF): experimental and computational characterization. Journal of Computer-Aided Molecular Design, 2015, 29, 541-560.	2.9	21
111	Structureâ€“Activity Relationships of Novel Tryptamine-Based Inhibitors of Bacterial Transglycosylase. Journal of Medicinal Chemistry, 2015, 58, 9712-9721.	6.4	21
112	A patent review of immunoproteasome inhibitors. Expert Opinion on Therapeutic Patents, 2018, 28, 517-540.	5.0	21
113	WIDOCK: a reactive docking protocol for virtual screening of covalent inhibitors. Journal of Computer-Aided Molecular Design, 2021, 35, 223-244.	2.9	21
114	Redox-Based Inactivation of Cysteine Cathepsins by Compounds Containing the 4-Aminophenol Moiety. PLoS ONE, 2011, 6, e27197.	2.5	20
115	Selective Inhibitors of Aldo-Keto Reductases AKR1C1 and AKR1C3 Discovered by Virtual Screening of a Fragment Library. Journal of Medicinal Chemistry, 2012, 55, 7417-7424.	6.4	20
116	MurD enzymes from different bacteria: Evaluation of inhibitors. Biochemical Pharmacology, 2012, 84, 625-632.	4.4	20
117	New direct inhibitors of InhA with antimycobacterial activity based on a tetrahydropyran scaffold. European Journal of Medicinal Chemistry, 2016, 112, 252-257.	5.5	20
118	Structure-guided optimization of 4,6-substituted-1,3,5-triazin-2(1H)-ones as catalytic inhibitors of human DNA topoisomerase IIÎ±. European Journal of Medicinal Chemistry, 2019, 175, 330-348.	5.5	20
119	Cinnamates and cinnamamides inhibit fungal 17Î²-hydroxysteroid dehydrogenase. Molecular and Cellular Endocrinology, 2006, 248, 239-241.	3.2	19
120	Small molecule inhibitors of peptidoglycan synthesis targeting the lipid II precursor. Biochemical Pharmacology, 2011, 81, 1098-1105.	4.4	19
121	Cathepsin X cleavage of the Â2 integrin regulates talin-binding and LFA-1 affinity in T cells. Journal of Leukocyte Biology, 2011, 90, 99-109.	3.3	19
122	Function of the <scp>d</scp>-Alanine:<scp>d</scp>-Alanine Ligase Lid Loop: A Molecular Modeling and Bioactivity Study. Journal of Medicinal Chemistry, 2012, 55, 6849-6856.	6.4	19
123	Molecular dynamics to enhance structure-based virtual screening on cathepsin B. Journal of Computer-Aided Molecular Design, 2015, 29, 707-712.	2.9	19
124	Assessment of Tractable Cysteines for Covalent Targeting by Screening Covalent Fragments. ChemBioChem, 2021, 22, 743-753.	2.6	19
125	Novel inhibitors of Î²-ketoacyl-ACP reductase from Escherichia coli. Chemico-Biological Interactions, 2009, 178, 310-316.	4.0	18
126	Trihydroxynaphthalene reductase of Curvularia lunataâ€”A target for flavonoid action?. Chemico-Biological Interactions, 2009, 178, 259-267.	4.0	18

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127	<scp>D</scp>â€Glucosamine in ironâ€catalysed crossâ€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.	3.5	18
128	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.	5.5	18
129	Synthesis of ethyl 3-(hydroxyphenoxy)benzyl butylphosphonates as potential antigen 85C inhibitors. Tetrahedron, 2007, 63, 10698-10708.	1.9	17
130	Derivatives of pyrimidine, phthalimide and anthranilic acid as inhibitors of human hydroxysteroid dehydrogenase AKR1C1. Chemico-Biological Interactions, 2009, 178, 158-164.	4.0	17
131	Benzoic acid derivatives with improved antifungal activity: Design, synthesis, structureâ€“activity relationship (SAR) and CYP53 docking studies. Bioorganic and Medicinal Chemistry, 2015, 23, 4264-4276.	3.0	17
132	Structure-activity relationship study of tryptophan-based butyrylcholinesterase inhibitors. European Journal of Medicinal Chemistry, 2020, 208, 112766.	5.5	17
133	Phytoestrogens as inhibitors of fungal 17Î²-hydroxysteroid dehydrogenase. Steroids, 2005, 70, 694-703.	1.8	16
134	New lipophilic phthalimido- and 3-phenoxybenzyl sulfonates: Inhibition of antigen 85C mycolyltransferase activity and cytotoxicity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 391-397.	5.2	16
135	A Novel Scalable Synthesis of Pramipexole. Organic Process Research and Development, 2010, 14, 1125-1129.	2.7	16
136	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, 4648-4656.	5.5	16
137	Virtual screening for potential inhibitors of bacterial MurC and MurD ligases. Journal of Molecular Modeling, 2012, 18, 1063-1072.	1.8	16
138	Development of potent reversible selective inhibitors of butyrylcholinesterase as fluorescent probes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 498-505.	5.2	16
139	Phytoestrogens as inhibitors of fungal 17Î²-hydroxysteroid dehydrogenase. Steroids, 2005, 70, 626-635.	1.8	15
140	Epoxide opening with amino acids: improved synthesis of hydroxyethylamine dipeptide isosteres. Tetrahedron Letters, 2006, 47, 1733-1735.	1.4	15
141	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, 1716-1724.	5.4	15
142	N-Benzoyl anthranilic acid derivatives as selective inhibitors of aldoâ€“keto reductase AKR1C3. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5948-5951.	2.2	15
143	Virtual Screening Yields Inhibitors of Novel Antifungal Drug Target, Benzoate 4-Monooxygenase. Journal of Chemical Information and Modeling, 2012, 52, 3053-3063.	5.4	15
144	Synthesis of pyrazolo[1,2-a]pyrazole-based peptide mimetics. Tetrahedron, 2013, 69, 6648-6665.	1.9	15

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145	New antagonists of toll-like receptor 7 discovered through 3D ligand-based virtual screening. Medicinal Chemistry Research, 2015, 24, 362-371.	2.4	15
146	Crystallographic Study of Peptidoglycan Biosynthesis Enzyme MurD: Domain Movement Revisited. PLoS ONE, 2016, 11, e0152075.	2.5	15
147	Identification and characterization of the novel reversible and selective cathepsin X inhibitors. Scientific Reports, 2017, 7, 11459.	3.3	15
148	Biochemical and biological evaluation of novel potent coumarin inhibitor of 17Î²-HSD type 1. Chemico-Biological Interactions, 2011, 191, 60-65.	4.0	14
149	Straightforward synthesis of orthogonally protected piperidin-3-ylmethanamine and piperidin-4-ylmethanamine derivatives. Tetrahedron Letters, 2014, 55, 2037-2039.	1.4	14
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