Matej Sova

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6691313/publications.pdf

Version: 2024-02-01

46 papers	2,078 citations	331538 21 h-index	243529 44 g-index
47 all docs	47 docs citations	47 times ranked	3473 citing authors

#	Article	IF	Citations
1	Cytoplasmic steps of peptidoglycan biosynthesis. FEMS Microbiology Reviews, 2008, 32, 168-207.	3.9	583
2	Antioxidant and Antimicrobial Activities of Cinnamic Acid Derivatives. Mini-Reviews in Medicinal Chemistry, 2012, 12, 749-767.	1.1	389
3	Natural Sources, Pharmacokinetics, Biological Activities and Health Benefits of Hydroxycinnamic Acids and Their Metabolites. Nutrients, 2020, 12, 2190.	1.7	95
4	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.	2.6	72
5	Antifungal activity of cinnamic acid derivatives involves inhibition of benzoate 4-hydroxylase (CYP53). Journal of Applied Microbiology, 2014, 116, 955-966.	1.4	67
6	Design and development of Nrf2 modulators for cancer chemoprevention and therapy: a review. Drug Design, Development and Therapy, 2018, Volume 12, 3181-3197.	2.0	67
7	Antimicrobial activity oftrans-cinnamic acid and commonly used antibiotics against important fish pathogens and nonpathogenic isolates. Journal of Applied Microbiology, 2018, 125, 1714-1727.	1.4	53
8	Flavonoids and cinnamic acid derivatives as inhibitors of 17Î²-hydroxysteroid dehydrogenase type 1. Molecular and Cellular Endocrinology, 2009, 301, 229-234.	1.6	48
9	Synthesis and structureâ€“activity relationship study of novel quinazolinone-based inhibitors of MurA. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3529-3533.	1.0	46
10	Dual inhibitors of cholinesterases and monoamine oxidases for Alzheimerâ€™s disease. Future Medicinal Chemistry, 2017, 9, 811-832.	1.1	44
11	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.	1.0	41
12	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.	1.4	40
13	Phosphorylated hydroxyethylamines as novel inhibitors of the bacterial cell wall biosynthesis enzymes MurC to MurF. Bioorganic Chemistry, 2009, 37, 217-222.	2.0	39
14	Novel toll-like receptor 4 (TLR4) antagonists identified by structure- and ligand-based virtual screening. European Journal of Medicinal Chemistry, 2013, 70, 393-399.	2.6	35
15	Indoleamine and tryptophan 2,3-dioxygenases as important future therapeutic targets. , 2021, 221, 107746.		34
16	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.	2.9	33
17	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.	1.7	30
18	Reaching toward underexplored targets in antibacterial drug design. Drug Development Research, 2019, 80, 6-10.	1.4	28

#	Article	IF	Citations
19	Nanotechnology-Based Drug Delivery to Improve the Therapeutic Benefits of NRF2 Modulators in Cancer Therapy. Antioxidants, 2021, 10, 685.	2.2	28
20	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.	1.0	25
21	Discovery of new MurA inhibitors using induced-fit simulation and docking. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 944-949.	1.0	24
22	Natural and Synthetic Derivatives of Hydroxycinnamic Acid Modulating the Pathological Transformation of Amyloidogenic Proteins. Molecules, 2020, 25, 4647.	1.7	22
23	Cinnamic Acid Derivatives Induce Cell Cycle Arrest in Carcinoma Cell Lines. Medicinal Chemistry, 2013, 9, 633-641.	0.7	22
24	Structureâ€“Activity Relationships of Novel Tryptamine-Based Inhibitors of Bacterial Transglycosylase. Journal of Medicinal Chemistry, 2015, 58, 9712-9721.	2.9	21
25	Drug Delivery Strategies for Curcumin and Other Natural Nrf2 Modulators of Oxidative Stress-Related Diseases. Pharmaceutics, 2021, 13, 2137.	2.0	19
26	Novel inhibitors of Î²-ketoacyl-ACP reductase from Escherichia coli. Chemico-Biological Interactions, 2009, 178, 310-316.	1.7	18
27	<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.	1.7	18
28	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.	2.6	18
29	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.	1.4	17
30	Epoxide opening with amino acids: improved synthesis of hydroxyethylamine dipeptide isosteres. Tetrahedron Letters, 2006, 47, 1733-1735.	0.7	15
31	Microwave-assisted synthesis of hydroxyethylamine dipeptide isosteres. Tetrahedron, 2007, 63, 141-147.	1.0	12
32	Evaluation of the published kinase inhibitor set to identify multiple inhibitors of bacterial ATP-dependent mur ligases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1010-1017.	2.5	12
33	(Z)-5-(4-Fluorophenyl)pent-4-enoic Acid: A Precursor for Convenient and Efficient Synthesis of the Antihypercholesterolemia Agent Ezetimibe. Synthesis, 2010, 2010, 3433-3438.	1.2	9
34	Anthranilic Acid Inhibitors of Undecaprenyl Pyrophosphate Synthase (UppS), an Essential Enzyme for Bacterial Cell Wall Biosynthesis. Frontiers in Microbiology, 2018, 9, 3322.	1.5	8
35	Synthesis and Evaluation of Antioxidant Properties of 2-Substituted Quinazolin-4(3H)-ones. Molecules, 2021, 26, 6585.	1.7	8
36	Novel Selective IDO1 Inhibitors with Isoxazolo[5,4-d]pyrimidin-4(5H)-one Scaffold. Pharmaceuticals, 2021, 14, 265.	1.7	6

#	Article	IF	Citations
37	Efficient and Straightforward Syntheses of Two United States Pharmacopeia Sitagliptin Impurities: 3-Desamino-2,3-dehydrositagliptin and 3-Desamino-3,4-dehydrositagliptin. ACS Omega, 2020, 5, 5356-5364.	1.6	5
38	4-Phenethyl-1-Propargylpiperidine-Derived Dual Inhibitors of Butyrylcholinesterase and Monoamine Oxidase B. Molecules, 2021, 26, 4118.	1.7	5
39	Synthesized 2-Trifluoromethylquinazolines and Quinazolinones Protect BV2 and N2a Cells against LPS- and H2O2-induced Cytotoxicity. Medicinal Chemistry, 2021, 17, 623-629.	0.7	4
40	Synthesis and Biological Evaluation of N-Aryl-N'-(5-(2-hydroxybenzoyl) pyrimidin-2-yl)guanidines as Toll-Like Receptor 4 Antagonists. Medicinal Chemistry, 2016, 12, 742-750.	0.7	4
41	ProBiS-Dock: A Hybrid Multitemplate Homology Flexible Docking Algorithm Enabled by Protein Binding Site Comparison. Journal of Chemical Information and Modeling, 2022, 62, 1573-1584.	2.5	4
42	New inhibitors of fungal 17Î²-hydroxysteroid dehydrogenase based on the [1,5]-benzodiazepine scaffold. Journal of Enzyme Inhibition and Medicinal Chemistry, 2007, 22, 29-36.	2.5	3
43	Microwave-Assisted Regioselective Suzuki Coupling of 2,4-Dichloropyrimidines with Aryl and Heteroaryl Boronic Acids. Catalysts, 2021, 11, 439.	1.6	3
44	Synthesis, In Vitro Antioxidant Properties and Distribution of a New Cyanothiophene-Based Phenolic Compound in Olive Oil-In-Water Emulsions. Antioxidants, 2020, 9, 623.	2.2	2
45	Further hit optimization of 6-(trifluoromethyl)pyrimidin-2-amine based TLR8 modulators: Synthesis, biological evaluation and structureâ€“activity relationships. European Journal of Medicinal Chemistry, 2021, 225, 113809.	2.6	2
46	Cinnamic Acid Esters as Potent Inhibitors of Fungal 17Î²-Hydroxysteroid Dehydrogenase â€" A Model Enzyme of the Short-Chain Dehydrogenase/Reductase Superfamily. ChemInform, 2004, 35, no.	0.1	0