

Tomáš Kučera

List of Publications by Year in descending order

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papers

637
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471061

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41
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citing authors

#	ARTICLE	IF	CITATIONS
1	Isoquinoline Alkaloids from <i>Berberis vulgaris</i> as Potential Lead Compounds for the Treatment of Alzheimer's Disease. <i>Journal of Natural Products</i> , 2019, 82, 239-248.	1.5	55
2	Development of 3,5-Dinitrophenyl-Containing 1,2,4-Triazoles and Their Trifluoromethyl Analogues as Highly Efficient Antitubercular Agents Inhibiting Decaprenylphosphoryl- β -D-ribofuranose 2'-Oxidase. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8115-8139.	2.9	37
3	Novel Tacrine-Scutellarin Hybrids as Multipotent Anti-Alzheimer's Agents: Design, Synthesis and Biological Evaluation. <i>Molecules</i> , 2017, 22, 1006.	1.7	32
4	Charcot Neuropathic Arthropathy of the Foot: A Literature Review and Single-Center Experience. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-10.	1.0	30
5	Charcot arthropathy of the knee. A case-based review. <i>Clinical Rheumatology</i> , 2011, 30, 425-428.	1.0	28
6	Progress in acetylcholinesterase reactivators and in the treatment of organophosphorus intoxication: a patent review (2006-2016). <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 971-985.	2.4	28
7	Development of 2-Methoxyhuprine as Novel Lead for Alzheimer's Disease Therapy. <i>Molecules</i> , 2017, 22, 1265.	1.7	26
8	Pyogenic sacroiliitis: diagnosis, management and clinical outcome. <i>Skeletal Radiology</i> , 2015, 44, 63-71.	1.2	24
9	Discovery of novel berberine derivatives with balanced cholinesterase and prolyl oligopeptidase inhibition profile. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112593.	2.6	24
10	Utilizing Autologous Multipotent Mesenchymal Stromal Cells and $\text{Ca}_3(\text{PO}_4)_2$ -Tricalcium Phosphate Scaffold in Human Bone Defects: A Prospective, Controlled Feasibility Trial. <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	23
11	In Vitro and In Silico Acetylcholinesterase Inhibitory Activity of Thalictricavine and Canadine and Their Predicted Penetration across the Blood-Brain Barrier. <i>Molecules</i> , 2019, 24, 1340.	1.7	23
12	Derivatives of the β -Crinine Amaryllidaceae Alkaloid Haemanthamine as Multi-Target Directed Ligands for Alzheimer's Disease. <i>Molecules</i> , 2019, 24, 1307.	1.7	22
13	Amaryllidaceae Alkaloids of Belladine-Type from <i>Narcissus pseudonarcissus</i> cv. Carlton as New Selective Inhibitors of Butyrylcholinesterase. <i>Biomolecules</i> , 2020, 10, 800.	1.8	21
14	(\pm)-BIGI-3h: Pentatarget-Directed Ligand combining Cholinesterase, Monoamine Oxidase, and Glycogen Synthase Kinase 3 β Inhibition with Calcium Channel Antagonism and Antiaggregating Properties for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1328-1342.	1.7	21
15	Alkaloids of <i>Zephyranthes citrina</i> (Amaryllidaceae) and their implication to Alzheimer's disease: Isolation, structural elucidation and biological activity. <i>Bioorganic Chemistry</i> , 2021, 107, 104567.	2.0	20
16	Oxime K203: a drug candidate for the treatment of tabun intoxication. <i>Archives of Toxicology</i> , 2019, 93, 673-691.	1.9	19
17	Aromatic Esters of the Crinine Amaryllidaceae Alkaloid Ambelline as Selective Inhibitors of Butyrylcholinesterase. <i>Journal of Natural Products</i> , 2020, 83, 1359-1367.	1.5	19
18	Combination of Memantine and 6-Chlorotacrine as Novel Multi-Target Compound against Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2019, 16, 821-833.	0.7	17

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19	Tacrine – Benzothiazoles: Novel class of potential multitarget anti-Alzheimer's drugs dealing with cholinergic, amyloid and mitochondrial systems. <i>Bioorganic Chemistry</i> , 2021, 107, 104596.	2.0	17
20	Structure–Activity Relationship Study of Dexrazoxane Analogues Reveals ICRF-193 as the Most Potent Bisdioxopiperazine against Anthracycline Toxicity to Cardiomyocytes Due to Its Strong Topoisomerase II ^β Interactions. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3997-4019.	2.9	14
21	The pathogenic S688Y mutation in the ligand-binding domain of the GluN1 subunit regulates the properties of NMDA receptors. <i>Scientific Reports</i> , 2020, 10, 18576.	1.6	13
22	Healing of cavitory bone defects. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2012, 22, 123-128.	0.6	12
23	7-phenoxytacrine is a dually acting drug with neuroprotective efficacy in vivo. <i>Biochemical Pharmacology</i> , 2021, 186, 114460.	2.0	12
24	Histological assessment of tissue from large human bone defects repaired with β -tricalcium phosphate. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2014, 24, 1357-1365.	0.6	11
25	Cysteine-Targeted Insecticides against <i>A. gambiae</i> Acetylcholinesterase Are Neither Selective nor Reversible Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 65-71.	1.3	11
26	Functionalized aromatic esters of the Amaryllidaceae alkaloid haemanthamine and their in vitro and in silico biological activity connected to Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2020, 100, 103928.	2.0	9
27	The use of interconnected β -tricalcium phosphate as bone substitute after curettage of benign bone tumours. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2011, 21, 235-241.	0.6	8
28	Interaction of Cucurbit[7]uril with Oxime K027, Atropine, and Paraoxon: Risky or Advantageous Delivery System?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7883.	1.8	8
29	Development of versatile and potent monoquateryniacetylcholinesterase reactivators. <i>Archives of Toxicology</i> , 2021, 95, 985-1001.	1.9	7
30	Structure Elucidation and Cholinesterase Inhibition Activity of Two New Minor Amaryllidaceae Alkaloids. <i>Molecules</i> , 2021, 26, 1279.	1.7	7
31	Bis-isoquinolinium and bis-pyridinium acetylcholinesterase inhibitors: in vitro screening of probes for novel selective insecticides. <i>RSC Advances</i> , 2017, 7, 39279-39291.	1.7	6
32	Tacroximes: novel unique compounds for the recovery of organophosphorus-inhibited acetylcholinesterase. <i>Future Medicinal Chemistry</i> , 2019, 11, 2625-2634.	1.1	6
33	Enzymatic Degradation of Organophosphorus Pesticides and Nerve Agents by EC: 3.1.8.2. Catalysts, 2020, 10, 1365.	1.6	6
34	Amaryllidaceae Alkaloids of Norbelladine-Type as Inspiration for Development of Highly Selective Butyrylcholinesterase Inhibitors: Synthesis, Biological Activity Evaluation, and Docking Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8308.	1.8	5
35	Derivatives of montanine-type alkaloids and their implication for the treatment of Alzheimer's disease: Synthesis, biological activity and in silico study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 51, 128374.	1.0	4
36	Pursuing the Complexity of Alzheimer's Disease: Discovery of Fluoren-9-Amines as Selective Butyrylcholinesterase Inhibitors and N-Methyl-D-Aspartate Receptor Antagonists. <i>Biomolecules</i> , 2021, 11, 3.	1.8	4

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37	Synthesis of New Biscoumarin Derivatives, In Vitro Cholinesterase Inhibition, Molecular Modelling and Antiproliferative Effect in A549 Human Lung Carcinoma Cells. International Journal of Molecular Sciences, 2021, 22, 3830.	1.8	3
38	Novel quinazolin-4-one derivatives as potentiating agents of doxorubicin cytotoxicity. Bioorganic Chemistry, 2019, 82, 204-210.	2.0	2
39	SEARCHING FOR NEW ANTIMICROBIAL AGENTS BY TARGETING BACTERIAL NAD METABOLISM: EVALUATION OF FRENTIZOLE DERIVATIVES SELECTED BY MOLECULAR DOCKING. Military Medical Science Letters (Vojenske) Tj ETQq. 1 0.784314 rgB	0.2	1
40	VIRTUAL SCREENING IN DRUG DESIGN - OVERVIEW OF MOST FREQUENT TECHNIQUES. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 2016, 85, 75-79.	0.2	1
41	IMPLEMENTATION OF DISTANCE LEARNING INTO EDUCATION OF THE DEPARTMENT OF MILITARY MEDICAL SERVICE ORGANIZATION AND MANAGEMENT OF THE UNIVERSITY OF DEFENCE UNDER THE COVID-19 PANDEMIC CONDITIONS. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 0, , .	0.2	0