

# Tomáš Kučera

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/789683/publications.pdf>

Version: 2024-02-01

41  
papers

637  
citations

471061

17  
h-index

642321

23  
g-index

41  
all docs

41  
docs citations

41  
times ranked

952  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Development of versatile and potent monoquaternary reactivators of acetylcholinesterase. <i>Archives of Toxicology</i> , 2021, 95, 985-1001.	1.9	7
3	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
4	Structure Elucidation and Cholinesterase Inhibition Activity of Two New Minor Amaryllidaceae Alkaloids. <i>Molecules</i> , 2021, 26, 1279.	1.7	7
5	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 <sup>2</sup> Interactions. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3997-4019.	2.9	14
6	7-phenoxytacrine is a dually acting drug with neuroprotective efficacy in vivo. <i>Biochemical Pharmacology</i> , 2021, 186, 114460.	2.0	12
7	(±)- <b>BIGI-3h</b> : Pentatarget-Directed Ligand combining Cholinesterase, Monoamine Oxidase, and Glycogen Synthase Kinase 3 <sup>2</sup> Inhibition with Calcium Channel Antagonism and Antiaggregating Properties for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1328-1342.	1.7	21
8	Synthesis of New Biscoumarin Derivatives, In Vitro Cholinesterase Inhibition, Molecular Modelling and Antiproliferative Effect in A549 Human Lung Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3830.	1.8	3
9	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
10	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
11	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
12	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
13	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
14	Enzymatic Degradation of Organophosphorus Pesticides and Nerve Agents by EC: 3.1.8.2. Catalysts, 2020, 10, 1365.	1.6	6
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Aromatic Esters of the Crinane Amaryllidaceae Alkaloid Ambelline as Selective Inhibitors of Butyrylcholinesterase. <i>Journal of Natural Products</i> , 2020, 83, 1359-1367.	1.5	19
20	SEARCHING FOR NEW ANTIMICROBIAL AGENTS BY TARGETING BACTERIAL NAD METABOLISM: EVALUATION OF FRENTIZOLE DERIVATIVES SELECTED BY MOLECULAR DOCKING. <i>Military Medical Science Letters (Vojenske Tjeto)</i> 2020, 85, 75-79. /Overload	0.2	1
21	Development of 3,5-Dinitrophenyl-Containing 1,2,4-Triazoles and Their Trifluoromethyl Analogues as Highly Efficient Antitubercular Agents Inhibiting Decaprenylphosphoryl- $\beta$ -D-ribofuranose 2-Oxidase. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8115-8139.	2.9	37
22	Tacroximes: novel unique compounds for the recovery of organophosphorus-inhibited acetylcholinesterase. <i>Future Medicinal Chemistry</i> , 2019, 11, 2625-2634.	1.1	6
23	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
24	In Vitro and In Silico Acetylcholinesterase Inhibitory Activity of Thalictrovine and Canadine and Their Predicted Penetration across the Blood-Brain Barrier. <i>Molecules</i> , 2019, 24, 1340.	1.7	23
25	Derivatives of the $\beta$ -Crinane Amaryllidaceae Alkaloid Haemanthamine as Multi-Target Directed Ligands for Alzheimer's Disease. <i>Molecules</i> , 2019, 24, 1307.	1.7	22
26	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
27	Oxime K203: a drug candidate for the treatment of tabun intoxication. <i>Archives of Toxicology</i> , 2019, 93, 673-691.	1.9	19
28	Novel quinazolin-4-one derivatives as potentiating agents of doxorubicin cytotoxicity. <i>Bioorganic Chemistry</i> , 2019, 82, 204-210.	2.0	2
29	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
30	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
31	Novel Tacrine-Scutellarin Hybrids as Multipotent Anti-Alzheimer's Agents: Design, Synthesis and Biological Evaluation. <i>Molecules</i> , 2017, 22, 1006.	1.7	32
32	Development of 2-Methoxyhuprine as Novel Lead for Alzheimer's Disease Therapy. <i>Molecules</i> , 2017, 22, 1265.	1.7	26
33	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
34	Utilizing Autologous Multipotent Mesenchymal Stromal Cells and $\beta$ -Tricalcium Phosphate Scaffold in Human Bone Defects: A Prospective, Controlled Feasibility Trial. <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	23
35	VIRTUAL SCREENING IN DRUG DESIGN - OVERVIEW OF MOST FREQUENT TECHNIQUES. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2016, 85, 75-79.	0.2	1
36	Pyogenic sacroiliitis: diagnosis, management and clinical outcome. <i>Skeletal Radiology</i> , 2015, 44, 63-71.	1.2	24

#	ARTICLE	IF	CITATIONS
37	Histological assessment of tissue from large human bone defects repaired with $\beta$ -tricalcium phosphate. European Journal of Orthopaedic Surgery and Traumatology, 2014, 24, 1357-1365.	0.6	11
38	Healing of cavitory bone defects. European Journal of Orthopaedic Surgery and Traumatology, 2012, 22, 123-128.	0.6	12
39	Charcot arthropathy of the knee. A case-based review. Clinical Rheumatology, 2011, 30, 425-428.	1.0	28
40	The use of interconnected $\beta$ -tricalcium phosphate as bone substitute after curettage of benign bone tumours. European Journal of Orthopaedic Surgery and Traumatology, 2011, 21, 235-241.	0.6	8
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