

# Dávid Malík

## List of Publications by Year in descending order

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44  
papers

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citations

566801

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h-index

552369

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46  
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46  
docs citations

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times ranked

1040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tacrine-Trolox Hybrids: A Novel Class of Centrally Active, Nonhepatotoxic Multi-Target-Directed Ligands Exerting Anticholinesterase and Antioxidant Activities with Low In Vivo Toxicity. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8985-9003.	2.9	121
2	SAR study to find optimal cholinesterase reactivator against organophosphorous nerve agents and pesticides. <i>Archives of Toxicology</i> , 2016, 90, 2831-2859.	1.9	75
3	Pyridinium Oximes with <i>Ortho</i> -Positioned Chlorine Moiety Exhibit Improved Physicochemical Properties and Efficient Reactivation of Human Acetylcholinesterase Inhibited by Several Nerve Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10753-10766.	2.9	45
4	Profiling donepezil template into multipotent hybrids with antioxidant properties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 583-606.	2.5	44
5	Towards understanding the mechanism of action of antibacterial N-alkyl-3-hydroxypyridinium salts: Biological activities, molecular modeling and QSAR studies. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 699-711.	2.6	37
6	6-Hydroxyquinolinium salts differing in the length of alkyl side-chain: Synthesis and antimicrobial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5238-5241.	1.0	35
7	7-Methoxytacrine-p-Anisidine Hybrids as Novel Dual Binding Site Acetylcholinesterase Inhibitors for Alzheimer's Disease Treatment. <i>Molecules</i> , 2015, 20, 22084-22101.	1.7	35
8	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
9	Butyrylcholinesterase inhibited by nerve agents is efficiently reactivated with chlorinated pyridinium oximes. <i>Chemico-Biological Interactions</i> , 2019, 307, 16-20.	1.7	26
10	Synthesis and Disinfection Effect of the Pyridine-4-aldoxime Based Salts. <i>Molecules</i> , 2015, 20, 3681-3696.	1.7	22
11	The wide-spectrum antimicrobial effect of novel N-alkyl monoquaternary ammonium salts and their mixtures; the QSAR study against bacteria. <i>European Journal of Medicinal Chemistry</i> , 2020, 206, 112584.	2.6	22
12	Oxime K203: a drug candidate for the treatment of tabun intoxication. <i>Archives of Toxicology</i> , 2019, 93, 673-691.	1.9	19
13	In vitro and in silico Evaluation of Non-Quaternary Reactivators of AChE as Antidotes of Organophosphorus Poisoning - a New Hope or a Blind Alley?. <i>Medicinal Chemistry</i> , 2018, 14, 281-292.	0.7	19
14	Donepezil Derivatives Targeting Amyloid- $\beta$ Cascade in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2019, 16, 772-800.	0.7	18
15	Ligand-based 3D QSAR analysis of reactivation potency of mono- and bis-pyridinium aldoximes toward VX-inhibited rat acetylcholinesterase. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 56, 113-129.	1.3	17
16	Synthesis, antimicrobial evaluation and molecular modeling of 5-hydroxyisoquinolinium salt series; the effect of the hydroxyl moiety. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 841-848.	1.4	15
17	Synthesis, <i>in vitro</i> screening and molecular docking of isoquinolinium-5-carbaldoximes as acetylcholinesterase and butyrylcholinesterase reactivators. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 478-488.	2.5	15
18	Optimization of gradient reversed phase high performance liquid chromatography analysis of acetaminophen oxidation metabolites using linear and non-linear retention model. <i>Journal of Chromatography A</i> , 2022, 1669, 462956.	1.8	15

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19	Novel Group of AChE Reactivatorsâ€”Synthesis, In Vitro Reactivation and Molecular Docking Study. <i>Molecules</i> , 2018, 23, 2291.	1.7	13
20	Rational design of novel TLR4 ligands by in silico screening and their functional and structural characterization in vitro. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 38-46.	2.6	12
21	Structural Properties of Potential Synthetic Vaccine Adjuvants - TLR Agonists. <i>Current Medicinal Chemistry</i> , 2015, 22, 3306-3325.	1.2	10
22	Effects of Charged Oxime Reactivators on the HK-2 Cell Line in Renal Toxicity Screening. <i>Chemical Research in Toxicology</i> , 2021, 34, 699-703.	1.7	9
23	Rational Design of a New Class of Toll-Like Receptor 4 (TLR4) Tryptamine Related Agonists by Means of the Structure- and Ligand-Based Virtual Screening for Vaccine Adjuvant Discovery. <i>Molecules</i> , 2018, 23, 102.	1.7	8
24	Wide-Antimicrobial Spectrum of Picolinium Salts. <i>Molecules</i> , 2020, 25, 2254.	1.7	8
25	A convenient approach to an advanced intermediate for (+)-lactacystin synthesis. <i>Tetrahedron Letters</i> , 2013, 54, 6768-6771.	0.7	7
26	Development of versatile and potent monoquaternary reactivators of acetylcholinesterase. <i>Archives of Toxicology</i> , 2021, 95, 985-1001.	1.9	7
27	Synthesis, Antimicrobial Effect and Surface Properties of Hydroxymethylsubstituted Pyridinium Salts. <i>Letters in Drug Design and Discovery</i> , 2018, 15, 828-842.	0.4	7
28	Characterization of the Penetration of the Bloodâ€”Brain Barrier by High-Performance Liquid Chromatography (HPLC) Using a Stationary Phase with an Immobilized Artificial Membrane. <i>Analytical Letters</i> , 2018, 51, 2401-2414.	1.0	6
29	A Review of the Synthesis of Quaternary Acetylcholinesterase Reactivators. <i>Current Organic Chemistry</i> , 2018, 22, 1619-1648.	0.9	6
30	Highly hydrophilic cationic gold nanorods stabilized by novel quaternary ammonium surfactant with negligible cytotoxicity. <i>Journal of Biophotonics</i> , 2019, 12, e201900024.	1.1	5
31	Effects of Novel Tacrine Derivatives on Mitochondrial Energy Metabolism and Monoamine Oxidase Activityâ€”In Vitro Study. <i>Molecular Neurobiology</i> , 2021, 58, 1102-1113.	1.9	5
32	Determination of K869, a Novel Oxime Reactivator of Acetylcholinesterase, in Rat Body Fluids and Tissues by Liquid-Chromatography Methods: Pharmacokinetic Study. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1842-1852.	1.6	5
33	A Review of the Total Synthesis of (+)-Lactacystin and its Analogs. <i>Current Organic Chemistry</i> , 2015, 19, 1980-2001.	0.9	5
34	Pyridinium-2-carbaldoximes with quinolinium carboxamide moiety are simultaneous reactivators of acetylcholinesterase and butyrylcholinesterase inhibited by nerve agent surrogates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 437-449.	2.5	4
35	A diastereoselective Câ€”C bond formation at C-5 of d-gulose. A convenient approach to (5S)-5-C-alkyl-1 <sup>2</sup> -lyxo-hexofuranoses. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1514-1519.	1.8	3
36	Halogen substituents enhance oxime nucleophilicity for reactivation of cholinesterases inhibited by nerve agents. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114377.	2.6	3

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37	Design, synthesis, and <i>in vitro</i> evaluation of BP-1-102 analogs with modified hydrophobic fragments for STAT3 inhibition. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 410-424.	2.5	2
38	HLA-7 - A REVIEW OF ACETYLCHOLINESTERASE REACTIVATOR AGAINST ORGANOPHOSPHOROUS INTOXICATION. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2017, 86, 70-83.	0.2	2
39	Novel Series of Quaternary Ammonium Surfactants Based on 2,3-Dihydro- [1,4]dioxino[2,3-b]pyridin-7-ol Ring: Synthesis, Analysis and Antimicrobial Evaluation. <i>Letters in Organic Chemistry</i> , 2017, 15, .	0.2	1
40	Charged pyridinium oximes with thiocarboxamide moiety are equally or less effective reactivators of organophosphate-inhibited cholinesterases compared to analogous carboxamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 760-767.	2.5	1
41	Toxicity, pharmacokinetics, and effectiveness of the ortho-chlorinated bispyridinium oxime, K870. <i>Food and Chemical Toxicology</i> , 2022, 167, 113236.	1.8	1
42	A stereoselective approach in preparation of $\beta$ -lactam precursors for oxazolomycin™s synthesis. <i>Tetrahedron</i> , 2020, 76, 131111.	1.0	0
43	The Effect of Chemical Structure of OEG Ligand Shells with Quaternary Ammonium Moiety on the Colloidal Stabilization, Cellular Uptake and Photothermal Stability of Gold Nanorods. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3407-3427.	3.3	0
44	Novel cholinesterase reactivators. , 2020, , 1161-1177.		0