

# Martin Dolezal

## List of Publications by Year in descending order

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98  
papers

2,333  
citations

159358

30  
h-index

264894

42  
g-index

106  
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106  
docs citations

106  
times ranked

2000  
citing authors

#	ARTICLE	IF	CITATIONS
1	N- $\pi$ -pyridinylbenzamides: an isosteric approach towards new antimycobacterial compounds. <i>Chemical Biology and Drug Design</i> , 2021, 97, 686-700.	1.5	4
2	Screening of SIRT6 inhibitors and activators: A novel activator has an impact on breast cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111452.	2.5	12
3	Synthesis, Biological Evaluation, and In Silico Modeling of N-Substituted Quinoxaline-2-Carboxamides. <i>Pharmaceuticals</i> , 2021, 14, 768.	1.7	4
4	Advances in Antifungal Drug Development: An Up-To-Date Mini Review. <i>Pharmaceuticals</i> , 2021, 14, 1312.	1.7	48
5	Exploring the detailed spectroscopic characteristics, chemical and biological activity of two cyanopyrazine-2-carboxamide derivatives using experimental and theoretical tools. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117414.	2.0	69
6	Substituted N-(Pyrazin-2-yl)benzenesulfonamides; Synthesis, Anti-Infective Evaluation, Cytotoxicity, and In Silico Studies. <i>Molecules</i> , 2020, 25, 138.	1.7	8
7	Enhancing the CO <sub>2</sub> capturing ability in leaf via xenobiotic auxin uptake. <i>Science of the Total Environment</i> , 2020, 745, 141032.	3.9	1
8	N-Pyrazinoyl Substituted Amino Acids as Potential Antimycobacterial Agents—the Synthesis and Biological Evaluation of Enantiomers. <i>Molecules</i> , 2020, 25, 1518.	1.7	5
9	5-Alkylamino-N-phenylpyrazine-2-carboxamides: Design, Preparation, and Antimycobacterial Evaluation. <i>Molecules</i> , 2020, 25, 1561.	1.7	8
10	Derivatives of 3-Aminopyrazine-2-carboxamides: Synthesis, Antimicrobial Evaluation, and in Vitro Cytotoxicity. <i>Molecules</i> , 2019, 24, 1212.	1.7	9
11	Old Drugs and New Targets as an Outlook for the Treatment of Tuberculosis. <i>Current Medicinal Chemistry</i> , 2019, 25, 5142-5167.	1.2	6
12	Design, synthesis and antimycobacterial activity of hybrid molecules combining pyrazinamide with a 4-phenylthiazol-2-amine scaffold. <i>MedChemComm</i> , 2018, 9, 685-696.	3.5	15
13	Design, Synthesis and Evaluation of N-pyrazinylbenzamides as Potential Antimycobacterial Agents. <i>Molecules</i> , 2018, 23, 2390.	1.7	8
14	FT-IR and FT-Raman characterization and investigation of reactive properties of N-(3-iodo-4-methylphenyl)pyrazine-2-carboxamide by molecular dynamics simulations and DFT calculations. <i>Journal of Molecular Structure</i> , 2017, 1136, 14-24.	1.8	20
15	Vibrational spectroscopic analysis of cyanopyrazine-2-carboxamide derivatives and investigation of their reactive properties by DFT calculations and molecular dynamics simulations. <i>Journal of Molecular Structure</i> , 2017, 1131, 1-15.	1.8	35
16	Spectroscopic (FT-IR, FT-Raman), first order hyperpolarizability, NBO analysis, HOMO and LUMO		

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19	Design, Synthesis, Antimycobacterial Evaluation, and In Silico Studies of 3-(Phenylcarbamoyl)-pyrazine-2-carboxylic Acids. <i>Molecules</i> , 2017, 22, 1491.	1.7	9
20	Ureidopyrazine Derivatives: Synthesis and Biological Evaluation as Anti-Infectives and Abiotic Elicitors. <i>Molecules</i> , 2017, 22, 1797.	1.7	7
21	Spectroscopic, quantum chemical studies, Fukui functions, in vitro antiviral activity and molecular docking of 5-chloro-N-(3-nitrophenyl)pyrazine-2-carboxamide. <i>Journal of Molecular Structure</i> , 2016, 1119, 188-199.	1.8	47
22	Enoyl acyl carrier protein reductase inhibitors: an updated patent review (2011 – 2015). <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 1079-1094.	2.4	12
23	New synthetic pyrazine carboxamide derivatives as potential elicitors in production of secondary metabolite in In vitro cultures. <i>Pharmacognosy Magazine</i> , 2016, 12, 57.	0.3	0
24	Synthesis and Antimicrobial Evaluation of 6-Alkylamino-N-phenylpyrazine-2-carboxamides. <i>Chemical Biology and Drug Design</i> , 2015, 86, 674-681.	1.5	9
25	Synthesis and Disinfection Effect of the Pyridine-4-aldoxime Based Salts. <i>Molecules</i> , 2015, 20, 3681-3696.	1.7	22
26	Synthesis and Biological Evaluation of N-Alkyl-3-(alkylamino)-pyrazine-2-carboxamides. <i>Molecules</i> , 2015, 20, 8687-8711.	1.7	15
27	Alkylamino derivatives of N-benzylpyrazine-2-carboxamide: synthesis and antimycobacterial evaluation. <i>MedChemComm</i> , 2015, 6, 1311-1317.	3.5	11
28	Design, synthesis and anti-mycobacterial evaluation of some new N-phenylpyrazine-2-carboxamides. <i>Chemical Papers</i> , 2015, .	1.0	2
29	Pyrazine derivatives: a patent review (June 2012 – present). <i>Expert Opinion on Therapeutic Patents</i> , 2015, 25, 33-47.	2.4	72
30	Indole-2-carboxamide derivatives: a patent evaluation of WO2015036412A1. <i>Expert Opinion on Therapeutic Patents</i> , 2015, 25, 1487-1494.	2.4	1
31	Synthesis and antimycobacterial evaluation of 5-alkylamino-N-phenylpyrazine-2-carboxamides. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 174-183.	1.4	17
32	<i>Mycobacterium tuberculosis</i> enoyl-acyl carrier protein reductase inhibitors as potential antitubercotics: development in the past decade. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 629-648.	2.5	30
33	Spectroscopic (FT-IR, FT-Raman), first order hyperpolarizability, NBO analysis, HOMO and LUMO		

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37	New Potentially Active Pyrazinamide Derivatives Synthesized Under Microwave Conditions. <i>Molecules</i> , 2014, 19, 9318-9338.	1.7	6
38	Alkylamino derivatives of pyrazinamide: Synthesis and antimycobacterial evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 450-453.	1.0	22
39	Vibrational spectroscopic investigations and computational study of 5-tert-Butyl-N-(4-trifluoromethylphenyl)pyrazine-2-carboxamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 203-214.	2.0	23
40	Synthesis and antimycobacterial evaluation of pyrazinamide derivatives with benzylamino substitution. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 476-479.	1.0	18
41	Preparation, in vitro evaluation and molecular modelling of pyridiniumâ€“quinolinium/isoquinolinium non-symmetrical bisquaternary cholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6663-6666.	1.0	11
42	Synthesis and antimycobacterial evaluation of N-substituted 5-chloropyrazine-2-carboxamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3589-3591.	1.0	22
43	Synthesis, Antimycobacterial Activity and In Vitro Cytotoxicity of 5-Chloro-N-phenylpyrazine-2-carboxamides. <i>Molecules</i> , 2013, 18, 14807-14825.	1.7	26
44	Aminopyrazinoic acid esters as potential antimycobacterial drugs. <i>Ceska A Slovenska Farmacie</i> , 2013, 62, 84-8.	0.3	0
45	Substituted N-Benzylpyrazine-2-carboxamides: Synthesis and Biological Evaluation. <i>Molecules</i> , 2012, 17, 13183-13198.	1.7	31
46	Synthesis, characterization and molecular structure of Ru(II) complex with benzoylpyrazine carboxylic acid derivatives. <i>Polyhedron</i> , 2012, 41, 104-114.	1.0	0
47	Synthesis and antimycobacterial evaluation of N-substituted 3-aminopyrazine-2,5-dicarbonitriles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1598-1601.	1.0	14
48	Pyrazinecarboxamides as Potential Elicitors of Flavonolignan and Flavonoid Production in <i>Silybum marianum</i> and <i>Ononis arvensis</i> Cultures In Vitro. <i>Molecules</i> , 2011, 16, 9142-9152.	1.7	13
49	Synthesis and antimycobacterial properties of N-substituted 6-amino-5-cyanopyrazine-2-carboxamides. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1471-1476.	1.4	31
50	Design, evaluation and structureâ€“Activity relationship studies of the AChE reactivators against organophosphorus pesticides. <i>Medicinal Research Reviews</i> , 2011, 31, 548-575.	5.0	106
51	Mono-oxime bisquaternary acetylcholinesterase reactivators with prop-1,3-diyl linkageâ€“Preparation, in vitro screening and molecular docking. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 754-762.	1.4	44
52	Preparation and in vitro screening of symmetrical bis-isoquinolinium cholinesterase inhibitors bearing various connecting linkage â€“ Implications for early Myasthenia gravis treatment. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 811-818.	2.6	33
53	Antimycobacterial Evaluation of Pyrazinoic Acid Reversible Derivatives. <i>Current Pharmaceutical Design</i> , 2011, 17, 3506-3514.	0.9	17
54	The preparation, <i>in vitro</i> screening and molecular docking of symmetrical bisquaternary cholinesterase inhibitors containing a but-(2E)-en-1,4-diyl connecting linkage. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 245-253.	2.5	9

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55	Preparation and in vitro screening of symmetrical bispyridinium cholinesterase inhibitors bearing different connecting linkageâ€”initial study for Myasthenia gravis implications. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1763-1766.	1.0	36
56	Substituted Pyrazinecarboxamides as Abiotic Elicitors of Flavolignan Production in <i>Silybum marianum</i> (L.) Gaertn Cultures in Vitro. <i>Molecules</i> , 2010, 15, 331-340.	1.7	28
57	Synthesis, Antimycobacterial, Antifungal and Photosynthesis-Inhibiting Activity of Chlorinated N-phenylpyrazine-2-carboxamides â€. <i>Molecules</i> , 2010, 15, 8567-8581.	1.7	36
58	Structure-Activity Relationship of Quaternary Acetylcholinesterase Inhibitors â€“ Outlook for Early Myasthenia Gravis Treatment. <i>Current Medicinal Chemistry</i> , 2010, 17, 1810-1824.	1.2	31
59	INFLUENCE OF FOLIAR FERTILIZATION AND GROWTH REGULATOR ON MILK THISTLE SEED YIELD AND QUALITY. <i>Journal of Plant Nutrition</i> , 2010, 33, 818-830.	0.9	14
60	Substituted N-Phenylpyrazine-2-carboxamides: Synthesis and Antimycobacterial Evaluation. <i>Molecules</i> , 2009, 14, 4180-4189.	1.7	25
61	RP-HPLC determination of the lipophilicity of bispyridinium reactivators of acetylcholinesterase bearing a but-2-ene connecting linker. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 367-372.	1.9	19
62	Synthesis, Antimycobacterial and Antifungal Evaluation of 3â€Arylamino-5â€dicarbonitriles. <i>Archiv Der Pharmazie</i> , 2008, 341, 61-65.	2.1	10
63	Vibrational spectroscopic studies and ab initio calculations of a substituted amide of pyrazine-2-carboxylic acidâ€”C <sub>12</sub> H <sub>10</sub> ClN <sub>3</sub> O. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 725-730.	2.0	35
64	Synthesis and antimycobacterial evaluation of substituted pyrazinecarboxamides. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1105-1113.	2.6	61
65	Preparation and antiplatelet activity of glycidic acid derivatives. <i>Chemical Papers</i> , 2008, 62, .	1.0	0
66	Synthesis of monooxime-monocarbamoyl bispyridinium compounds bearing (<i>E</i>)-but-2-ene linker and evaluation of their reactivation activity against tabun- and paraoxon-inhibited acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 70-76.	2.5	61
67	Recent Advances on Isoniazide Derivatives. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2008, 7, 12-31.	0.6	32
68	Progress in Synthesis of New Acetylcholinesterase Reactivators During the Period 1990-2004. <i>Current Organic Chemistry</i> , 2007, 11, 229-238.	0.9	78
69	Synthesis of a novel series of non-symmetrical bispyridinium compounds bearing a xylene linker and evaluation of their reactivation activity against tabun and paraoxon-inhibited acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 425-432.	2.5	45
70	Antimicrobial Evaluation of Some Arylsulfanylpyrazinecarboxylic Acid Derivatives. <i>Medicinal Chemistry</i> , 2007, 3, 277-280.	0.7	6
71	Salicylanilide Acetates: Synthesis and Antibacterial Evaluation. <i>Molecules</i> , 2007, 12, 1-12.	1.7	40
72	Substituted N-Phenylpyrazine-2-carboxamides, Their Synthesis and Evaluation as Herbicides and Abiotic Elicitors. <i>Molecules</i> , 2007, 12, 2589-2598.	1.7	25

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73	Monooxime reactivators of acetylcholinesterase with (E)-but-2-ene linker—Preparation and reactivation of tabun- and paraoxon-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 6733-6741.	1.4	52
74	Novel series of bispyridinium compounds bearing a (Z)-but-2-ene linker—Synthesis and evaluation of their reactivation activity against tabun and paraoxon-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 3172-3176.	1.0	40
75	In vitro reactivation potency of bispyridinium (E)-but-2-ene linked acetylcholinesterase reactivators against tabun-inhibited acetylcholinesterase. <i>Journal of Applied Biomedicine</i> , 2007, 5, 25-30.	0.6	15
76	Substituted Pyrazinecarboxamides: Synthesis and Biological Evaluation. <i>Molecules</i> , 2006, 11, 242-256.	1.7	54
77	Synthesis and antimicrobial evaluation of new 2-substituted 5,7-di-tert-butylbenzoxazoles. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 5850-5865.	1.4	100
78	Salicylanilide esterification: unexpected formation of novel seven-membered rings. <i>Tetrahedron Letters</i> , 2006, 47, 5007-5011.	0.7	21
79	Synthesis of the novel series of bispyridinium compounds bearing (E)-but-2-ene linker and evaluation of their reactivation activity against chlorpyrifos-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 622-627.	1.0	65
80	Synthesis of asymmetrical bispyridinium compounds bearing cyano-moiety and evaluation of their reactivation activity against tabun and paraoxon-inhibited acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5673-5676.	1.0	35
81	5-Lipoxygenase, Leukotrienes Biosynthesis and Potential Antileukotrienic Agents. <i>Current Medicinal Chemistry</i> , 2006, 13, 117-129.	1.2	48
82	Determination of the lipophilicity of potential antituberculosic compounds by RP-TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2006, 19, 422-426.	0.6	10
83	Synthesis of Bispyridinium Compounds Bearing Propane Linker and Evaluation of their Reactivation Activity against Tabun- and Paraoxon-Inhibited Acetylcholinesterase. <i>Letters in Organic Chemistry</i> , 2006, 3, 831-835.	0.2	30
84	The effect of substituted amides of pyrazine-2-carboxylic acids on flavonolignan production in <i>Silybum marianum</i> culture in vitro. <i>Acta Physiologiae Plantarum</i> , 2005, 27, 357-362.	1.0	11
85	Novel Regioselective Preparation of 5-Chloropyrazine-2-Carbonitrile from Pyrazine-2-Carboxamide and Coupling Study of Substituted Phenylsulfanylpyrazine-2-Carboxylic Acid Derivatives. <i>Current Organic Chemistry</i> , 2005, 9, 49-60.	0.9	14
86	Quinaldine Derivatives: Preparation and Biological Activity. <i>Medicinal Chemistry</i> , 2005, 1, 591-599.	0.7	53
87	Preparation of 2-(4-{[4-(Quinolin-2-ylmethoxy)phenyl]sulfanyl}phenyl) Propionic Acid (VUFB 20615) and 2-Methyl-2-(4-{[4-(quinolin-2-ylmethoxy)Phenyl]sulfanyl}phenyl)Propionic Acid (VUFB 20623) as Potential Antileukotrienic Agents. <i>Current Organic Chemistry</i> , 2004, 8, 1235-1243.	0.9	10
88	Substituted 5-arylpyrazine-2-carboxylic acid derivatives: synthesis and biological activity. <i>Il Farmaco</i> , 2003, 58, 1105-1111.	0.9	31
89	Substituted Amides of Pyrazine-2-carboxylic acids: Synthesis and Biological Activity. <i>Molecules</i> , 2002, 7, 363-373.	1.7	43
90	Synthesis and biological activity of 5-alkyl-6-(alkylsulfanyl)- or 5-alkyl-6-(arylsulfanyl)pyrazine-2-carboxamides and corresponding thioamides. <i>Il Farmaco</i> , 2002, 57, 71-78.	0.9	21

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91	Some Anilides of 2-Alkylthio- and 2-Chloro-6-Alkylthio-4-Pyridinecarboxylic Acids: Synthesis and Photosynthesis-Inhibiting Activity. <i>Molecules</i> , 2001, 6, 603-613.	1.7	1
92	Synthesis of Some 2, 6-Disubstituted 4-Amidopyridines and -Thioamidopyridines, and Their Antimycobacterial and Photosynthesis-Inhibiting Activity. <i>Molecules</i> , 2000, 5, 208-218.	1.7	11
93	Synthesis and Antituberculosic Properties of Some Substituted Pyrazinecarbothioamides. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 1102-1108.	1.0	12
94	Synthesis and Antituberculosic Activity of 5-Alkyl-6-chloro-2-pyrazinecarboxamides and Corresponding Thioamides. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 1109-1114.	1.0	9
95	Synthesis and Antituberculosic Activity of Some Substituted 3-Arylamino-5-cyano-2-pyrazinecarboxamides. <i>Collection of Czechoslovak Chemical Communications</i> , 1995, 60, 1236-1241.	1.0	7
96	Preparation of Some N-Substituted 3-Amino-5-cyano-2-pyrazinecarboxamides. <i>Collection of Czechoslovak Chemical Communications</i> , 1994, 59, 2562-2564.	1.0	2
97	Preparation of Some 6-Substituted N-Pyrazinyl-2-pyrazinecarboxamides. <i>Collection of Czechoslovak Chemical Communications</i> , 1993, 58, 452-454.	1.0	6
98	Synthesis and Evaluation of Pyrazine Derivatives with Herbicidal Activity. , 0, , .		13