

# Lucie CahlÃ-kovÃ;

## List of Publications by Year in descending order

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105  
papers

1,491  
citations

304743

22  
h-index

454955

30  
g-index

107  
all docs

107  
docs citations

107  
times ranked

1554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monoterpene indole alkaloids from <i>Vinca minor</i> L. (Apocynaceae): Identification of new structural scaffold for treatment of Alzheimer's disease. <i>Phytochemistry</i> , 2022, 194, 113017.	2.9	7
2	Semisynthetic derivatives of haemanthamine and their in vitro antiproliferative activity evaluation against a panel of human cell lines. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103746.	4.9	3
3	Alkaloids of <i>Dicranostigma franchetianum</i> (Papaveraceae) and Berberine Derivatives as a New Class of Antimycobacterial Agents. <i>Biomolecules</i> , 2022, 12, 844.	4.0	4
4	Can Isoquinoline Alkaloids Affect Platelet Aggregation in Whole Human Blood?. <i>Toxins</i> , 2022, 14, 491.	3.4	1
5	The Amaryllidaceae alkaloids haemanthamine, haemanthidine and their semisynthetic derivatives as potential drugs. <i>Phytochemistry Reviews</i> , 2021, 20, 303-323.	6.5	26
6	Amaryllidaceae alkaloids from <i>Hippeastrum X Hybridum</i> CV. Ferrari, and preparation of vittatine derivatives as potential ligands for Alzheimer's disease. <i>South African Journal of Botany</i> , 2021, 136, 137-146.	2.5	11
7	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.	4.1	20
8	Structure Elucidation and Cholinesterase Inhibition Activity of Two New Minor Amaryllidaceae Alkaloids. <i>Molecules</i> , 2021, 26, 1279.	3.8	7
9	Pancracine, a Montanine-Type Amaryllidaceae Alkaloid, Inhibits Proliferation of A549 Lung Adenocarcinoma Cells and Induces Apoptotic Cell Death in MOLT-4 Leukemic Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7014.	4.1	6
10	Recent Progress on Biological Activity of Amaryllidaceae and Further Isoquinoline Alkaloids in Connection with Alzheimer's Disease. <i>Molecules</i> , 2021, 26, 5240.	3.8	12
11	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.	4.1	5
12	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.	2.2	4
13	Semisynthetic Derivatives of Selected Amaryllidaceae Alkaloids as a New Class of Antimycobacterial Agents. <i>Molecules</i> , 2021, 26, 6023.	3.8	2
14	Pharmacognosy and Its Role in the System of Profile Disciplines in Pharmacy. <i>Natural Product Communications</i> , 2020, 15, 1934578X2094545.	0.5	2
15	Chemistry and Biological Activity of Alkaloids from the Genus <i>Lycoris</i> (Amaryllidaceae). <i>Molecules</i> , 2020, 25, 4797.	3.8	29
16	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.	4.1	9
17	Chemical and Biological Aspects of Montanine-Type Alkaloids Isolated from Plants of the Amaryllidaceae Family. <i>Molecules</i> , 2020, 25, 2337.	3.8	17
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.	4.0	21

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19	Bersavine: A Novel Bisbenzylisoquinoline Alkaloid with Cytotoxic, Antiproliferative and Apoptosis-Inducing Effects on Human Leukemic Cells. <i>Molecules</i> , 2020, 25, 964.	3.8	7
20	Amaryllidaceae Alkaloids of Different Structural Types from <i>Narcissus L. cv. Professor Einstein</i> and Their Cytotoxic Activity. <i>Plants</i> , 2020, 9, 137.	3.5	16
21	Aromatic Esters of the Crinane Amaryllidaceae Alkaloid Ambelline as Selective Inhibitors of Butyrylcholinesterase. <i>Journal of Natural Products</i> , 2020, 83, 1359-1367.	3.0	19
22	Amaryllidaceae alkaloids from <i>Narcissus pseudonarcissus L. cv. Dutch Master</i> as potential drugs in treatment of Alzheimer's disease. <i>Phytochemistry</i> , 2019, 165, 112055.	2.9	43
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.	3.0	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.	3.8	23
25	Derivatives of the $\hat{I}^2$ -Crinane Amaryllidaceae Alkaloid Haemanthamine as Multi-Target Directed Ligands for Alzheimer's Disease. <i>Molecules</i> , 2019, 24, 1307.	3.8	22
26	The Genus <i>Nerine</i> Herb. (Amaryllidaceae): Ethnobotany, Phytochemistry, and Biological Activity. <i>Molecules</i> , 2019, 24, 4238.	3.8	19
27	Alkaloid Profiling of <i>Hippeastrum</i> Cultivars by GC-MS, Isolation of Amaryllidaceae Alkaloids and Evaluation of Their Cytotoxicity. <i>Records of Natural Products</i> , 2019, 14, 154-159.	1.3	11
28	Scoulerine affects microtubule structure, inhibits proliferation, arrests cell cycle and thus culminates in the apoptotic death of cancer cells. <i>Scientific Reports</i> , 2018, 8, 4829.	3.3	26
29	Alkaloids from <i>Narcissus poeticus cv. Pink Parasol</i> of various structural types and their biological activity. <i>Archives of Pharmacal Research</i> , 2018, 41, 208-218.	6.3	35
30	Daffodils as Potential Crops of Biologically-active Compounds: Assessment of 40 Ornamental Taxa for their Alkaloid Profile and Cholinesterases Inhibition Activity. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.5	3
31	Amaryllidaceae Alkaloids as Potential Glycogen Synthase Kinase-3 $\hat{I}^2$ Inhibitors. <i>Molecules</i> , 2018, 23, 719.	3.8	24
32	Effect of aqueous extract and anthocyanins of calyces of <i>Hibiscus sabdariffa</i> (Malvaceae) in rats with adenine-induced chronic kidney disease. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 1219-1229.	2.4	33
33	Haemanthamine alters sodium butyrate-induced histone acetylation, p21 WAF1/Cip1 expression, Chk1 and Chk2 activation and leads to increased growth inhibition and death in A2780 ovarian cancer cells. <i>Phytomedicine</i> , 2017, 35, 1-10.	5.3	9
34	Anticancer potential of Amaryllidaceae alkaloids evaluated by screening with a panel of human cells, real-time cellular analysis and Ehrlich tumor-bearing mice. <i>Chemico-Biological Interactions</i> , 2017, 275, 121-132.	4.0	30
35	Preparation and Validated Analysis of Anthocyanin Concentrate from the Calyces of <i>Hibiscus sabdariffa</i> . <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	5
36	Cholinesterase and Prolyl Oligopeptidase Inhibitory Activities of Alkaloids from <i>Argemone platyceras</i> (Papaveraceae). <i>Molecules</i> , 2017, 22, 1181.	3.8	19

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37	AKR1C3 Inhibitory Potency of Naturally-occurring Amaryllidaceae Alkaloids of Different Structural Types. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	5
38	Chelidonine and Homochelidonine Induce Cell Death through Cell Cycle Checkpoints and MAP Kinase Pathways. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	2
39	Preparation and Validated Analysis of Anthocyanin Concentrate from the Calyces of <i>Hibiscus sabdariffa</i> . <i>Natural Product Communications</i> , 2017, 12, 43-45.	0.5	4
40	Cytotoxicity of Naturally Occurring Isoquinoline Alkaloids of Different Structural Types. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	5
41	The Biological Activity of Alkaloids from the Amaryllidaceae: From Cholinesterases Inhibition to Anticancer Activity. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601101.	0.5	18
42	Isoquinoline Alkaloids from <i>Fumaria officinalis</i> L. and Their Biological Activities Related to Alzheimer's Disease. <i>Chemistry and Biodiversity</i> , 2016, 13, 91-99.	2.1	30
43	Isolation of Amaryllidaceae alkaloids from <i>Nerine bowdenii</i> W. Watson and their biological activities. <i>RSC Advances</i> , 2016, 6, 80114-80120.	3.6	23
44	LC-MS/MS method for the determination of haemanthamine in rat plasma, bile and urine and its application to a pilot pharmacokinetic study. <i>Biomedical Chromatography</i> , 2016, 30, 1083-1091.	1.7	11
45	Application of BACE1 immobilized enzyme reactor for the characterization of multifunctional alkaloids from <i>Corydalis cava</i> (Fumariaceae) as Alzheimer's disease targets. <i>FÄ-toterapÄ-c</i> , 2016, 109, 241-247.	2.2	33
46	Comparative cytotoxicity of chelidonine and homochelidonine, the dimethoxy analogues isolated from <i>Chelidonium majus</i> L. (Papaveraceae), against human leukemic and lung carcinoma cells. <i>Phytomedicine</i> , 2016, 23, 253-266.	5.3	30
47	Multifunctional activity of some isoquinoline alkaloids from <i>Corydalis cava</i> tubers on Alzheimer's disease targets. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0
48	Cytotoxic potential of naturally occurring isoquinoline alkaloids possessing different structural types. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0
49	Alkaloids of <i>Narcissus poeticus</i> cv. Pink Parasol and their biological activity. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0
50	Cytotoxicity of Naturally Occurring Isoquinoline Alkaloids of Different Structural Types. <i>Natural Product Communications</i> , 2016, 11, 753-6.	0.5	6
51	The Biological Activity of Alkaloids from the Amaryllidaceae: From Cholinesterases Inhibition to Anticancer Activity. <i>Natural Product Communications</i> , 2016, 11, 1587-1594.	0.5	17
52	Anthocyanins of <i>Hibiscus sabdiffera</i> Calyces from Sudan. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	5
53	Antifungal and Antibacterial Activity of Extracts and Alkaloids of Selected Amaryllidaceae Species. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	15
54	(+)-Chenabinol (Revised NMR Data) and Two New Alkaloids from <i>Berberis vulgaris</i> and their Biological Activity. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501001.	0.5	1

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55	Alkaloids from <i>Peumus boldus</i> and their Acetylcholinesterase, Butyrylcholinesterase and Prolyl Oligopeptidase Inhibition Activity. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	6
56	In Vitro Inhibitory Effects of 8-O-Demethylmaritidine and Undulatine on Acetylcholinesterase and Their Predicted Penetration across the Blood–Brain Barrier. <i>Journal of Natural Products</i> , 2015, 78, 1189-1192.	3.0	24
57	Isoquinoline alkaloids as prolyl oligopeptidase inhibitors. <i>Fytoterapia</i> , 2015, 103, 192-196.	2.2	23
58	Flavones Inhibit the Activity of AKR1B10, a Promising Therapeutic Target for Cancer Treatment. <i>Journal of Natural Products</i> , 2015, 78, 2666-2674.	3.0	31
59	Cytotoxic activities of Amaryllidaceae alkaloids against gastrointestinal cancer cells. <i>Phytochemistry Letters</i> , 2015, 13, 394-398.	1.2	34
60	Alkaloids from <i>Berberis vulgaris</i> and their biological activity connected to Alzheimer's disease. <i>Planta Medica</i> , 2015, 81, .	1.3	0
61	Anthocyanins of <i>Hibiscus sabdiffera</i> calyces from Sudan. <i>Natural Product Communications</i> , 2015, 10, 77-9.	0.5	4
62	Alkaloids from <i>Peumus boldus</i> and their acetylcholinesterase, butyrylcholinesterase and prolyl oligopeptidase inhibition activity. <i>Natural Product Communications</i> , 2015, 10, 577-80.	0.5	9
63	Antifungal and Antibacterial Activity of Extracts and Alkaloids of Selected Amaryllidaceae Species. <i>Natural Product Communications</i> , 2015, 10, 1537-40.	0.5	16
64	(+)-Chenabinol (Revised NMR Data) and Two New Alkaloids from <i>Berberis vulgaris</i> and their Biological Activity. <i>Natural Product Communications</i> , 2015, 10, 1695-7.	0.5	3
65	Antimicrobial Activity of Extracts and Isoquinoline Alkaloids of Selected Papaveraceae Plants. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400901.	0.5	5
66	Chemical Composition of Bioactive Alkaloid Extracts from Some <i>Narcissus</i> Species and Varieties and their Biological Activity. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	5
67	Revised NMR Data for 9-O-Demethylgalanthine: An Alkaloid from <i>Zephyranthes robusta</i> (Amaryllidaceae) and its Biological Activity. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	6
68	Evaluation of the antioxidant activity of several naturally occurring coumarins and their synthesized analogues by a ferric reducing antioxidant power assay. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 49-54.	5.2	13
69	Tannins and their Influence on Health. , 2014, , 159-208.		25
70	Natural Products as Potential Human Ether-A-Go-Go-Related Gene Channel Inhibitors – Screening of Plant-Derived Alkaloids. <i>Planta Medica</i> , 2014, 80, 740-746.	1.3	18
71	The effect of Amaryllidaceae alkaloids haemanthamine and haemanthidine on cell cycle progression and apoptosis in p53-negative human leukemic Jurkat cells. <i>Phytomedicine</i> , 2014, 21, 479-490.	5.3	59
72	Isoquinoline alkaloids as a novel type of AKR1C3 inhibitors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 250-258.	2.5	27

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73	Natural Compounds (Small Molecules) as Potential and Real Drugs of Alzheimer's Disease. <i>Studies in Natural Products Chemistry</i> , 2014, 42, 153-194.	1.8	13
74	Revised NMR data for 9-O-demethylgalanthine: an alkaloid from <i>Zephyranthes robusta</i> (Amaryllidaceae) and its biological activity. <i>Natural Product Communications</i> , 2014, 9, 787-8.	0.5	15
75	Chemical composition of bioactive alkaloid extracts from some <i>Narcissus</i> species and varieties and their biological activity. <i>Natural Product Communications</i> , 2014, 9, 1151-5.	0.5	9
76	Alkaloids from <i>Zephyranthes robusta</i> Baker and Their Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activity. <i>Chemistry and Biodiversity</i> , 2013, 10, 1120-1127.	2.1	40
77	Alkaloids from <i>Chlidanthus fragrans</i> and their Acetylcholinesterase, Butyrylcholinesterase and Prolyl Oligopeptidase Activities. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.5	14
78	Berbanine: A New Isoquinoline-Isoquinolone Alkaloid from <i>Berberis Vulgaris</i> (Berberidaceae). <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	2
79	Isolation and Cholinesterase Inhibitory Activity of <i>Narcissus</i> Extracts and Amaryllidaceae Alkaloid. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	4
80	Berbanine: a new isoquinoline-isoquinolone alkaloid from <i>Berberis vulgaris</i> (Berberidaceae). <i>Natural Product Communications</i> , 2013, 8, 441-2.	0.5	8
81	Alkaloids from <i>Chlidanthus fragrans</i> and their acetylcholinesterase, butyrylcholinesterase and prolyl oligopeptidase activities. <i>Natural Product Communications</i> , 2013, 8, 1541-4.	0.5	20
82	Identification of Pavinane Alkaloids in the Genera <i>Argemone</i> and <i>Eschscholzia</i> by GC-MS. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.5	4
83	Alkaloids from Some Amaryllidaceae Species and Their Cholinesterase Activity. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	7
84	Corylucinine, a new Alkaloid from <i>Corydalis cava</i> (Fumariaceae), and its Cholinesterase Activity. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	8
85	Corylucinine, a new alkaloid from <i>Corydalis cava</i> (Fumariaceae), and its cholinesterase activity. <i>Natural Product Communications</i> , 2012, 7, 859-60.	0.5	4
86	Identification of pavinane alkaloids in the genera <i>Argemone</i> and <i>Eschscholzia</i> by GC-MS. <i>Natural Product Communications</i> , 2012, 7, 1279-81.	0.5	7
87	Analysis of Amaryllidaceae Alkaloids from <i>Chlidanthus Fragrans</i> by GC-MS and their Cholinesterase Activity. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	0
88	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Corydalis Cava</i> (Fumariaceae). <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	15
89	Isolation and Cholinesterase Activity of Amaryllidaceae Alkaloids from <i>Nerine bowdenii</i> . <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.5	3
90	GC/MS Analysis of Three Amaryllidaceae Species and Their Cholinesterase Activity. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	6

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91	Analysis of Amaryllidaceae alkaloids from <i>Zephyranthes grandiflora</i> by GC/MS and their cholinesterase activity. <i>Revista Brasileira De Farmacognosia</i> , 2011, 21, 575-580.	1.4	18
92	Analysis of Amaryllidaceae alkaloids from <i>Chlidanthus fragrans</i> by GC-MS and their cholinesterase activity. <i>Natural Product Communications</i> , 2011, 6, 603-6.	0.5	7
93	Ecdysterone and its activity on some degenerative diseases. <i>Natural Product Communications</i> , 2011, 6, 707-18.	0.5	7
94	GC/MS analysis of three Amaryllidaceae species and their cholinesterase activity. <i>Natural Product Communications</i> , 2011, 6, 1255-8.	0.5	8
95	Isolation and cholinesterase activity of Amaryllidaceae alkaloids from <i>Nerine bowdenii</i> . <i>Natural Product Communications</i> , 2011, 6, 1827-30.	0.5	10
96	Analysis of Amaryllidaceae Alkaloids from <i>Zephyranthes Robusta</i> by GC-MS and Their Cholinesterase Activity. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	8
97	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Eschscholzia californica</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	7
98	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Chelidonium Majus</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1934578X1000501.	0.5	13
99	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from <i>Eschscholzia californica</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1035-8.	0.5	23
100	Analysis of Amaryllidaceae alkaloids from <i>Zephyranthes robusta</i> by GC-MS and their cholinesterase activity. <i>Natural Product Communications</i> , 2010, 5, 1201-4.	0.5	4
101	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from <i>Chelidonium majus</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1751-4.	0.5	22
102	Age-Dependent Changes in the Chemistry of Exocrine Glands of <i>Bombus terrestris</i> Queens. <i>Journal of Chemical Ecology</i> , 2008, 34, 458-466.	1.8	7
103	Age-dependent changes in structure and function of the male labial gland in <i>Bombus terrestris</i> . <i>Journal of Insect Physiology</i> , 2008, 54, 204-214.	2.0	28
104	Cephalic secretions of the bumblebee subgenus <i>Sibiricobombus</i> Vogt suggest <i>Bombus niveatus</i> Kriechbaumer and <i>Bombus vorticosus</i> Gerstaecker are conspecific (Hymenoptera, Apidae, Bombus). <i>Apidologie</i> , 2005, 36, 571-584.	2.0	38
105	Exocrine Gland Secretions of Virgin Queens of Five Bumblebee Species (Hymenoptera: Apidae, Bombini). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004, 59, 582-589.	1.4	14