

Lubomír Opletal

List of Publications by Year in descending order

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100
papers

1,834
citations

279798

23
h-index

330143

37
g-index

100
all docs

100
docs citations

100
times ranked

2301
citing authors

#	ARTICLE	IF	CITATIONS
1	Condensed and Hydrolysable Tannins as Antioxidants Influencing the Health. Mini-Reviews in Medicinal Chemistry, 2008, 8, 436-447.	2.4	218
2	Dibenzo[a,c]cyclooctadiene lignans of the genus Schisandra: importance, isolation and determination. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 812, 357-371.	2.3	82
3	Rapid qualitative and quantitative ultra high performance liquid chromatography method for simultaneous analysis of twenty nine common phenolic compounds of various structures. Talanta, 2010, 80, 1970-1979.	5.5	63
4	The effect of Amaryllidaceae alkaloids haemanthamine and haemanthidine on cell cycle progression and apoptosis in p53-negative human leukemic Jurkat cells. Phytomedicine, 2014, 21, 479-490.	5.3	59
5	Isoquinoline Alkaloids from <i>Berberis vulgaris</i> as Potential Lead Compounds for the Treatment of Alzheimer's Disease. Journal of Natural Products, 2019, 82, 239-248.	3.0	55
6	Rapid automated assay of anti-oxidation/radical-scavenging activity of natural substances by sequential injection technique (SIA) using spectrophotometric detection. Analytical and Bioanalytical Chemistry, 2004, 379, 754-758.	3.7	45
7	Amaryllidaceae alkaloids from <i>Narcissus pseudonarcissus</i> L. cv. Dutch Master as potential drugs in treatment of Alzheimer's disease. Phytochemistry, 2019, 165, 112055.	2.9	43
8	Alkaloids from <i>Zephyranthes robusta</i> Baker and Their Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activity. Chemistry and Biodiversity, 2013, 10, 1120-1127.	2.1	40
9	Supercritical fluid extraction of lignans and cinnamic acid from <i>Schisandra chinensis</i> . Journal of Supercritical Fluids, 2007, 42, 88-95.	3.2	38
10	Simultaneous determination of quercetin, kaempferol and (E)-cinnamic acid in vegetative organs of <i>Schisandra chinensis</i> Baill. by HPLC. Journal of Pharmaceutical and Biomedical Analysis, 2001, 24, 1049-1054.	2.8	35
11	Alkaloids from <i>Narcissus poeticus</i> cv. Pink Parasol of various structural types and their biological activity. Archives of Pharmacal Research, 2018, 41, 208-218.	6.3	35
12	Near-critical extraction of β -sitosterol and scopoletin from stinging nettle roots. Journal of Supercritical Fluids, 2005, 35, 111-118.	3.2	34
13	Liquid chromatographic analysis of supercritical carbon dioxide extracts of <i>Schizandra chinensis</i> . Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 770, 283-289.	2.3	33
14	Near-critical extraction of pigments and oleoresin from stinging nettle leaves. Journal of Supercritical Fluids, 2004, 30, 213-224.	3.2	33
15	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-toterapÄc</i> , 2016, 109, 241-247.	2.2	33
16	Effect of aqueous extract and anthocyanins of calyces of <i>Hibiscus sabdariffa</i> (Malvaceae) in rats with adenine-induced chronic kidney disease. Journal of Pharmacy and Pharmacology, 2017, 69, 1219-1229.	2.4	33
17	Isoquinoline Alkaloids from <i>Fumaria officinalis</i> L. and Their Biological Activities Related to Alzheimer's Disease. Chemistry and Biodiversity, 2016, 13, 91-99.	2.1	30
18	Comparative cytotoxicity of chelidonine and homochelidonine, the dimethoxy analogues isolated from <i>Chelidonium majus</i> L. (Papaveraceae), against human leukemic and lung carcinoma cells. Phytomedicine, 2016, 23, 253-266.	5.3	30

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19	Ergosta-4,6,8,22-tetraen-3-one from the edible fungus, <i>Pleurotus ostreatus</i> (oyster fungus). <i>Phytochemistry</i> , 1997, 45, 1669-1671.	2.9	29
20	Chemistry and Biological Activity of Alkaloids from the Genus <i>Lycoris</i> (Amaryllidaceae). <i>Molecules</i> , 2020, 25, 4797.	3.8	29
21	<i>In Vitro</i> Antiplatelet Activity of Flavonoids from <i>Leuzea Carthamoides</i> . <i>Drug and Chemical Toxicology</i> , 2008, 31, 27-35.	2.3	28
22	Tannins and their Influence on Health. , 2014, , 159-208.		25
23	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
24	Isoquinoline alkaloids as prolyl oligopeptidase inhibitors. <i>Fytoterapia</i> , 2015, 103, 192-196.	2.2	23
25	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
26	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.	3.8	23
27	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from <i>Eschscholzia californica</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1035-8.	0.5	23
28	Effects of Herbal Preparation on Libido and Semen Quality in Boars. <i>Reproduction in Domestic Animals</i> , 2011, 46, 573-578.	1.4	22
29	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from <i>Chelidonium majus</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1751-4.	0.5	22
30	Evaluation of natural antioxidants of <i>Leuzea carthamoides</i> as a result of a screening study of 88 plant extracts from the European Asteraceae and Cichoriaceae. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 218-224.	5.2	21
31	Evaluation of natural substances from <i>Evolvulus alsinoides</i> L. with the purpose of determining their antioxidant potency. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 574-578.	5.2	21
32	<i>In vitro</i> immunomodulatory activity, cytotoxicity and chemistry of some central European polypores. <i>Pharmaceutical Biology</i> , 2016, 54, 2369-2376.	2.9	21
33	Supercritical fluid extraction of cynaropicrin and 20-hydroxyecdysone from <i>Leuzea carthamoides</i> DC. <i>Journal of Separation Science</i> , 2008, 31, 1387-1392.	2.5	20
34	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
35	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
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	The Genus <i>Nerine</i> Herb. (Amaryllidaceae): Ethnobotany, Phytochemistry, and Biological Activity. <i>Molecules</i> , 2019, 24, 4238.	3.8	19
38	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
39	Chemical and Biological Aspects of Montanine-Type Alkaloids Isolated from Plants of the Amaryllidaceae Family. <i>Molecules</i> , 2020, 25, 2337.	3.8	17
40	Amaryllidaceae Alkaloids of Different Structural Types from <i>Narcissus L.</i> cv. Professor Einstein and Their Cytotoxic Activity. <i>Plants</i> , 2020, 9, 137.	3.5	16
41	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from <i>Corydalis cava</i> (Fumariaceae). <i>Natural Product Communications</i> , 2011, 6, 607-10.	0.5	16
42	Antifungal and Antibacterial Activity of Extracts and Alkaloids of Selected Amaryllidaceae Species. <i>Natural Product Communications</i> , 2015, 10, 1537-40.	0.5	16
43	Phototoxic activity of a thiophene polyacetylene from <i>Leuzea carthamoides</i> . <i>FĀ-toterapĀ-Āċ</i> , 2006, 77, 194-198.	2.2	15
44	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Corydalis Cava</i> (Fumariaceae). <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	15
45	Antifungal and Antibacterial Activity of Extracts and Alkaloids of Selected Amaryllidaceae Species. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	15
46	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
47	Antifungal activity of a thiophene polyine from <i>Leuzea carthamoides</i> . <i>FĀ-toterapĀ-Āċ</i> , 2003, 74, 288-290.	2.2	14
48	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
49	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Chelidonium Majus</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1934578X1000501.	0.5	13
50	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
51	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
52	DPPH Radical Scavenging Activity of Several Naturally Occurring Coumarins and Their Synthesized Analogs Measured by the SIA Method. <i>Toxicology Mechanisms and Methods</i> , 2008, 18, 413-418.	2.7	12
53	Ecdysterone and its Activity on some Degenerative Diseases. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	12
54	A Fast Determination of Chlorophylls in Barley Grass Juice Powder Using HPLC Fused-Core Column Technology and HPTLC. <i>Food Analytical Methods</i> , 2014, 7, 629-635.	2.6	11

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55	Steroid Glycosides Hyrcanoside and Deglucohyrcanoside: On Isolation, Structural Identification, and Anticancer Activity. <i>Foods</i> , 2021, 10, 136.	4.3	11
56	Isolation and cholinesterase activity of Amaryllidaceae alkaloids from <i>Nerine bowdenii</i> . <i>Natural Product Communications</i> , 2011, 6, 1827-30.	0.5	10
57	20-Hydroxyecdysone Release from Biodegradable Devices: the Effect of Size and Shape. <i>Drug Development and Industrial Pharmacy</i> , 2000, 26, 1285-1291.	2.0	9
58	Use of natural substances for boar semen decontamination. <i>Veterinari Medicina</i> , 2015, 60, 235-247.	0.6	9
59	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
60	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
61	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
62	GC/MS analysis of three Amaryllidaceae species and their cholinesterase activity. <i>Natural Product Communications</i> , 2011, 6, 1255-8.	0.5	8
63	Inhibition of Na ⁺ , K ⁺ -ATPase by the Glycosides from <i>Coronilla varia</i> . <i>Planta Medica</i> , 1992, 58, 467-468.	1.3	7
64	Effect of some acetylcholinesterase reactivators on human platelet aggregation in vitro. <i>Journal of Applied Toxicology</i> , 2006, 26, 258-261.	2.8	7
65	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Eschscholzia californica</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	7
66	Alkaloids from Some Amaryllidaceae Species and Their Cholinesterase Activity. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	7
67	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
68	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
69	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
70	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
71	GC/MS Analysis of Three Amaryllidaceae Species and Their Cholinesterase Activity. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	6
72	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

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73	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
74	New antioxidant flavonoid isolated from <i>Leuzea carthamoides</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010, 25, 143-145.	5.2	5
75	Antimicrobial Activity of Extracts and Isoquinoline Alkaloids of Selected Papaveraceae Plants. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400901.	0.5	5
76	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
77	Anthocyanins of <i>Hibiscus sabdiffera</i> Calyces from Sudan. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	5
78	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
79	High-performance Liquid Chromatography Analysis of Four <i>Leuzea carthamoides</i> Flavonoids. <i>Journal of Chromatographic Science</i> , 2008, 46, 162-164.	1.4	4
80	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
81	Isolation and Cholinesterase Inhibitory Activity of <i>Narcissus</i> Extracts and <i>Amaryllidaceae</i> Alkaloid. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	4
82	Free-radical scavenging activity of some European boletales. <i>Natural Product Communications</i> , 2009, 4, 261-4.	0.5	4
83	Corylucinine, a new alkaloid from <i>Corydalis cava</i> (<i>Fumariaceae</i>), and its cholinesterase activity. <i>Natural Product Communications</i> , 2012, 7, 859-60.	0.5	4
84	Anthocyanins of <i>Hibiscus sabdiffera</i> calyces from Sudan. <i>Natural Product Communications</i> , 2015, 10, 77-9.	0.5	4
85	Alkaloids of <i>Dicranostigma franchetianum</i> (<i>Papaveraceae</i>) and Berberine Derivatives as a New Class of Antimycobacterial Agents. <i>Biomolecules</i> , 2022, 12, 844.	4.0	4
86	Free-radical Scavenging Activity of some European Polyporales. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	3
87	Isolation and Cholinesterase Activity of <i>Amaryllidaceae</i> Alkaloids from <i>Nerine bowdenii</i> . <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.5	3
88	Rapid Determination of \pm -Hederin and Hederacoside C in Extracts of <i>Hedera helix</i> Leaves Available in the Czech Republic and Poland. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	3
89	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
90	Free-radical Scavenging Activity of Some European Boletales. <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.5	2

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91	Berbanine: A New Isoquinoline-Isoquinolone Alkaloid from <i>Berberis Vulgaris</i> (Berberidaceae). <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	2
92	(+)-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
93	Free-radical scavenging activity of some European Polyporales. <i>Natural Product Communications</i> , 2010, 5, 923-6.	0.5	1
94	The effect of ionizing irradiation on the tissue culture of <i>Coronilla varia</i> . <i>Biologia Plantarum</i> , 1993, 35, 223-228.	1.9	0
95	T-Cadinol Nerolidol Ether from <i>Schisandra Chinensis</i> . <i>Natural Product Communications</i> , 2008, 3, 1934578X0800300.	0.5	0
96	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
97	Preface "Prof G. Blunden's 81st Birthday. <i>Natural Product Communications</i> , 2020, 15, 1934578X2096575.	0.5	0
98	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
99	Alkaloids of <i>Narcissus poeticus</i> cv. Pink Parasol and their biological activity. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0
100	IN VITRO ANTIMICROBIAL ACTIVITY OF NATURAL SUBSTANCES CONVENIENT FOR USE IN ANIMAL BREEDING INSTEAD OF ANTIBIOTICS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2020, 89, 2-13.	0.5	0