

Kateřina Macřkovř

List of Publications by Year in descending order

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62
papers

1,526
citations

331670

21
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345221

36
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62
all docs

62
docs citations

62
times ranked

1835
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro analysis of iron chelating activity of flavonoids. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 693-701.	3.5	195
2	Vitamin C Sources, Physiological Role, Kinetics, Deficiency, Use, Toxicity, and Determination. <i>Nutrients</i> , 2021, 13, 615.	4.1	150
3	Vitamin A Update: Forms, Sources, Kinetics, Detection, Function, Deficiency, Therapeutic Use and Toxicity. <i>Nutrients</i> , 2021, 13, 1703.	4.1	106
4	In vitro interactions of coumarins with iron. <i>Biochimie</i> , 2010, 92, 1108-1114.	2.6	76
5	In vitro evaluation of copper-chelating properties of flavonoids. <i>RSC Advances</i> , 2014, 4, 32628-32638.	3.6	73
6	Vitamin K sources, physiological role, kinetics, deficiency, detection, therapeutic use, and toxicity. <i>Nutrition Reviews</i> , 2022, 80, 677-698.	5.8	64
7	Biological Properties of Vitamins of the B-Complex, Part 1: Vitamins B1, B2, B3, and B5. <i>Nutrients</i> , 2022, 14, 484.	4.1	59
8	Iron reduction potentiates hydroxyl radical formation only in flavonols. <i>Food Chemistry</i> , 2012, 135, 2584-2592.	8.2	55
9	The influence of alkaloids on oxidative stress and related signaling pathways. <i>Free Radical Biology and Medicine</i> , 2019, 134, 429-444.	2.9	45
10	Vitamin D: sources, physiological role, biokinetics, deficiency, therapeutic use, toxicity, and overview of analytical methods for detection of vitamin D and its metabolites. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2022, 59, 517-554.	6.1	45
11	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
12	Antioxidant Effects of Coumarins Include Direct Radical Scavenging, Metal Chelation and Inhibition of ROS-Producing Enzymes. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 415-431.	2.1	32
13	Novel method for rapid copper chelation assessment confirmed low affinity of D-penicillamine for copper in comparison with trientine and 8-hydroxyquinolines. <i>Journal of Inorganic Biochemistry</i> , 2013, 123, 80-87.	3.5	30
14	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
15	Antiplatelet Effects of Flavonoids Mediated by Inhibition of Arachidonic Acid Based Pathway. <i>Planta Medica</i> , 2016, 82, 76-83.	1.3	27
16	Tannins and their Influence on Health. , 2014, , 159-208.		25
17	In vitro platelet antiaggregatory properties of 4-methylcoumarins. <i>Biochimie</i> , 2012, 94, 2681-2686.	2.6	23
18	Isoquinoline alkaloids as prolyl oligopeptidase inhibitors. <i>FÄ-toterapÄ-t</i> , 2015, 103, 192-196.	2.2	23

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19	4- <i>Methylcatechol</i> , a Flavonoid Metabolite with Potent Antiplatelet Effects. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1900261.	3.3	23
20	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
21	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from <i>Eschscholzia californica</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1035-8.	0.5	23
22	Effects of Herbal Preparation on Libido and Semen Quality in Boars. <i>Reproduction in Domestic Animals</i> , 2011, 46, 573-578.	1.4	22
23	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from <i>Chelidonium majus</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1751-4.	0.5	22
24	<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
25	The isoflavonoid tectorigenin has better antiplatelet potential than acetylsalicylic acid. <i>Phytomedicine</i> , 2017, 35, 11-17.	5.3	19
26	The Effect of Silymarin Flavonolignans and Their Sulfated Conjugates on Platelet Aggregation and Blood Vessels Ex Vivo. <i>Nutrients</i> , 2019, 11, 2286.	4.1	19
27	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
28	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from <i>Corydalis cava</i> (Fumariaceae). <i>Natural Product Communications</i> , 2011, 6, 607-10.	0.5	16
29	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Corydalis Cava</i> (Fumariaceae). <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	15
30	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
31	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
32	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Chelidonium Majus</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1934578X1000501.	0.5	13
33	Evaluation of the antioxidant activity of several naturally occurring coumarins and their synthesized analogues by α -ferric reducing antioxidant power assay. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 49-54.	5.2	13
34	Isoflavones Reduce Copper with Minimal Impact on Iron <i>In Vitro</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-11.	4.0	13
35	Chelation of Iron and Copper by Quercetin B-Ring Methyl Metabolites, Isorhamnetin and Tamarixetin, and Their Effect on Metal-Based Fenton Chemistry. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5926-5937.	5.2	13
36	The effect of flavonoids on the reduction of cupric ions, the copper-driven Fenton reaction and copper-triggered haemolysis. <i>Food Chemistry</i> , 2022, 394, 133461.	8.2	12

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37	Isolation and cholinesterase activity of Amaryllidaceae alkaloids from <i>Nerine bowdenii</i> . <i>Natural Product Communications</i> , 2011, 6, 1827-30.	0.5	10
38	Dexrazoxane provided moderate protection in a catecholamine model of severe cardiotoxicity. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 473-484.	1.4	9
39	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
40	In vitro characteristics of 1-phenyl-3-methyl-4-acylpyrazol-5-ones iron chelators. <i>Biochimie</i> , 2012, 94, 125-131.	2.6	8
41	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
42	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Eschscholzia californica</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	7
43	Alkaloids from Some Amaryllidaceae Species and Their Cholinesterase Activity. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	7
44	GC/MS Analysis of Three Amaryllidaceae Species and Their Cholinesterase Activity. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	6
45	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
46	Synthesis of 3,3-dimethyl-6-oxopyrano[3,4-c]pyridines and their antiplatelet and vasodilatory activity. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 887-895.	2.4	6
47	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
48	9-(4'-dimethylaminophenyl)-2,6,7-trihydroxy-xanthene-3-one is a Potentially Novel Antiplatelet Drug which Antagonizes the Effect of Thromboxane A2. <i>Medicinal Chemistry</i> , 2018, 14, 200-209.	1.5	5
49	Comparison of Antiplatelet Effects of Phenol Derivatives in Humans. <i>Biomolecules</i> , 2022, 12, 117.	4.0	4
50	Free-radical scavenging activity of some European boletales. <i>Natural Product Communications</i> , 2009, 4, 261-4.	0.5	4
51	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
52	Free-radical Scavenging Activity of some European Polyporales. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	3
53	Rapid Determination of 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
54	The influence of microbial isoflavonoid specific metabolites on platelets and transition metals iron and copper. <i>Phytomedicine</i> , 2019, 62, 152974.	5.3	3

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55	Screening of Synthetic Heterocyclic Compounds as Antiplatelet Drugs. <i>Medicinal Chemistry</i> , 2022, 18, 536-543.	1.5	2
56	Partial genome sequence of murine gammaherpesvirus 72 and its analysis. <i>Acta Virologica</i> , 2012, 55, 317-325.	0.8	1
57	Effect of novel 1-phenyl-3-methyl-4-acylpyrazolones on iron chelation and Fenton reaction. <i>Free Radical Biology and Medicine</i> , 2014, 75, S29-S30.	2.9	1
58	Hematoxylin assay of cupric chelation can give false positive results. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 52, 29-36.	3.0	1
59	Dehydroflavonolignans from Silymarin Potentiate Transition Metal Toxicity In Vitro but Are Protective for Isolated Erythrocytes Ex Vivo. <i>Antioxidants</i> , 2021, 10, 679.	5.1	1
60	Free-radical scavenging activity of some European Polyporales. <i>Natural Product Communications</i> , 2010, 5, 923-6.	0.5	1
61	Can Isoquinoline Alkaloids Affect Platelet Aggregation in Whole Human Blood?. <i>Toxins</i> , 2022, 14, 491.	3.4	1
62	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