KateÅina MacÃ¡kovÃ¡

List of Publications by Year
in descending order

		331538	345118
62	1,526	21	36
papers	citations	h-index	g-index

62	62	62	1835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In vitro analysis of iron chelating activity of flavonoids. Journal of Inorganic Biochemistry, 2011, 105, 693-701.	1.5	195
2	Vitamin Câ€"Sources, Physiological Role, Kinetics, Deficiency, Use, Toxicity, and Determination. Nutrients, 2021, 13, 615.	1.7	150
3	Vitamin A Update: Forms, Sources, Kinetics, Detection, Function, Deficiency, Therapeutic Use and Toxicity. Nutrients, 2021, 13, 1703.	1.7	106
4	In vitro interactions of coumarins with iron. Biochimie, 2010, 92, 1108-1114.	1.3	76
5	In vitro evaluation of copper-chelating properties of flavonoids. RSC Advances, 2014, 4, 32628-32638.	1.7	73
6	Vitamin K â€“ sources, physiological role, kinetics, deficiency, detection, therapeutic use, and toxicity. Nutrition Reviews, 2022, 80, 677-698.	2.6	64
7	Biological Properties of Vitamins of the B-Complex, Part 1: Vitamins B1, B2, B3, and B5. Nutrients, 2022, 14, 484.	1.7	59
8	Iron reduction potentiates hydroxyl radical formation only in flavonols. Food Chemistry, 2012, 135, 2584-2592.	4.2	55
9	The influence of alkaloids on oxidative stress and related signaling pathways. Free Radical Biology and Medicine, 2019, 134, 429-444.	1.3	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. Critical Reviews in Clinical Laboratory Sciences, 2022, 59, 517-554.	2.7	45
11	Alkaloids from Zephyranthes robusta<scp>Baker</scp> and Their Acetylcholinesteraseâ€•and Butyrylcholinesteraseâ€Inhibitory Activity. Chemistry and Biodiversity, 2013, 10, 1120-1127.	1.0	40
12	Antioxidant Effects of Coumarins Include Direct Radical Scavenging, Metal Chelation and Inhibition of ROS-Producing Enzymes. Current Topics in Medicinal Chemistry, 2015, 15, 415-431.	1.0	32
13	Novel method for rapid copper chelation assessment confirmed low affinity of D-penicillamine for copper in comparison with trientine and 8-hydroxyquinolines. Journal of Inorganic Biochemistry, 2013, 123, 80-87.	1.5	30
14	Isoquinoline Alkaloids from Fumaria officinalis L. and Their Biological Activities Related to Alzheimer's Disease. Chemistry and Biodiversity, 2016, 13, 91-99.	1.0	30
15	Antiplatelet Effects of Flavonoids Mediated by Inhibition of Arachidonic Acid Based Pathway. Planta Medica, 2016, 82, 76-83.	0.7	27
16	Tannins and their Influence on Health. , 2014, , 159-208.		25
17	InÂvitro platelet antiaggregatory properties of 4-methylcoumarins. Biochimie, 2012, 94, 2681-2686.	1.3	23
18	Isoquinoline alkaloids as prolyl oligopeptidase inhibitors. FÃ¬toterapÃ¬Ã¢, 2015, 103, 192-196.	1.1	23

#	Article	IF	Citations
19	4â€Methylcatechol, a Flavonoid Metabolite with Potent Antiplatelet Effects. Molecular Nutrition and Food Research, 2019, 63, 1900261.	1.5	23
20	In Vitro and In Silico Acetylcholinesterase Inhibitory Activity of Thalictricavine and Canadine and Their Predicted Penetration across the Blood-Brain Barrier. Molecules, 2019, 24, 1340.	1.7	23
21	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from Eschscholzia californica (Papaveraceae). Natural Product Communications, 2010, 5, 1035-8.	0.2	23
22	Effects of Herbal Preparation on Libido and Semen Quality in Boars. Reproduction in Domestic Animals, 2011, 46, 573-578.	0.6	22
23	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from Chelidonium majus (Papaveraceae). Natural Product Communications, 2010, 5, 1751-4.	0.2	22
24	In vitroimmunomodulatory activity, cytotoxicity and chemistry of some central European polypores. Pharmaceutical Biology, 2016, 54, 2369-2376.	1.3	21
25	The isoflavonoid tectorigenin has better antiplatelet potential than acetylsalicylic acid. Phytomedicine, 2017, 35, 11-17.	2.3	19
26	The Effect of Silymarin Flavonolignans and Their Sulfated Conjugates on Platelet Aggregation and Blood Vessels Ex Vivo. Nutrients, 2019, 11, 2286.	1.7	19
27	Analysis of Amaryllidaceae alkaloids from Zephyranthes grandiflora by GC/MS and their cholinesterase activity. Revista Brasileira De Farmacognosia, 2011, 21, 575-580.	0.6	18
28	Acetylcholinesterase and butyrylcholinesterase inhibitory compounds from Corydalis cava (Fumariaceae). Natural Product Communications, 2011, 6, 607-10.	0.2	16
29	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from Corydalis Cava (Fumariaceae). Natural Product Communications, 2011, 6, 1934578X1100600.	0.2	15
30	Revised NMR data for 9-O-demethylgalanthine: an alkaloid from Zephyranthes robusta (Amaryllidaceae) and its biological activity. Natural Product Communications, 2014, 9, 787-8.	0.2	15
31	Alkaloids from Chlidanthus fragrans and their Acetylcholinesterase, Butyrylcholinesterase and Prolyl Oligopeptidase Activities. Natural Product Communications, 2013, 8, 1934578X1300801.	0.2	14
32	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from Chelidonium Majus (Papaveraceae). Natural Product Communications, 2010, 5, 1934578X1000501.	0.2	13
33	Evaluation of the antioxidant activity of several naturally occurring coumarins and their synthesized analogues by â€œferric reducing antioxidant powerâ€•assay. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 49-54.	2.5	13
34	Isoflavones Reduce Copper with Minimal Impact on IronIn Vitro. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-11.	1.9	13
35	Chelation of Iron and Copper by Quercetin B-Ring Methyl Metabolites, Isorhamnetin and Tamarixetin, and Their Effect on Metal-Based Fenton Chemistry. Journal of Agricultural and Food Chemistry, 2021, 69, 5926-5937.	2.4	13
36	The effect of flavonoids on the reduction of cupric ions, the copper-driven Fenton reaction and copper-triggered haemolysis. Food Chemistry, 2022, 394, 133461.	4.2	12

#	Article	IF	Citations
37	Isolation and cholinesterase activity of Amaryllidaceae alkaloids from Nerine bowdenii. Natural Product Communications, 2011, 6, 1827-30.	0.2	10
38	Dexrazoxane provided moderate protection in a catecholamine model of severe cardiotoxicity. Canadian Journal of Physiology and Pharmacology, 2012, 90, 473-484.	0.7	9
39	Analysis of Amaryllidaceae Alkaloids from Zephyranthes Robusta by GC-MS and Their Cholinesterase Activity. Natural Product Communications, 2010, 5, 1934578X1000500.	0.2	8
40	InÂvitro characteristics of 1-phenyl-3-methyl-4-acylpyrazol-5-ones iron chelators. Biochimie, 2012, 94, 125-131.	1.3	8
41	Corylucinine, a new Alkaloid from Corydalis cava (Fumariaceae), and its Cholinesterase Activity. Natural Product Communications, 2012, 7, 1934578X1200700.	0.2	8
42	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from Eschscholzia californica (Papaveraceae). Natural Product Communications, 2010, 5, 1934578X1000500.	0.2	7
43	Alkaloids from Some Amaryllidaceae Species and Their Cholinesterase Activity. Natural Product Communications, 2012, 7, 1934578X1200700.	0.2	7
44	GC/MS Analysis of Three Amaryllidaceae Species and Their Cholinesterase Activity. Natural Product Communications, 2011, 6, 1934578X1100600.	0.2	6
45	Revised NMR Data for 9-O-Demethylgalanthine: An Alkaloid from Zephyranthes robusta (Amaryllidaceae) and its Biological Activity. Natural Product Communications, 2014, 9, 1934578X1400900.	0.2	6
46	Synthesis of 3,3-dimethyl-6-oxopyrano[3,4-c]pyridines and their antiplatelet and vasodilatory activity. Journal of Pharmacy and Pharmacology, 2022, 74, 887-895.	1.2	6
47	New antioxidant flavonoid isolated from Leuzea carthamoides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 143-145.	2.5	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. Medicinal Chemistry, 2018, 14, 200-209.	0.7	5
49	Comparison of Antiplatelet Effects of Phenol Derivatives in Humans. Biomolecules, 2022, 12, 117.	1.8	4
50	Free-radical scavenging activity of some European boletales. Natural Product Communications, 2009, 4, 261-4.	0.2	4
51	Analysis of Amaryllidaceae alkaloids from Zephyranthes robusta by GC-MS and their cholinesterase activity. Natural Product Communications, 2010, 5, 1201-4.	0.2	4
52	Free-radical Scavenging Activity of some European Polyporales. Natural Product Communications, 2010, 5, 1934578X1000500.	0.2	3
53	Rapid Determination of Î±-Hederin and Hederacoside C in Extracts of Hedera helix Leaves Available in the Czech Republic and Poland. Natural Product Communications, 2015, 10, 1934578X1501000.	0.2	3
54	The influence of microbial isoflavonoid specific metabolites on platelets and transition metals iron and copper. Phytomedicine, 2019, 62, 152974.	2.3	3

#	Article	IF	Citations
55	Screening of Synthetic Heterocyclic Compounds as Antiplatelet Drugs. Medicinal Chemistry, 2022, 18, 536-543.	0.7	2
56	Partial genome sequence of murine gammaherpesvirus 72 and its analysis. Acta Virologica, 2012, 55, 317-325.	0.3	1
57	Effect of novel 1-phenyl-3-methyl-4-acylpyrazolones on iron chelation and Fenton reaction. Free Radical Biology and Medicine, 2014, 75, S29-S30.	1.3	1
58	Hematoxylin assay of cupric chelation can give false positive results. Journal of Trace Elements in Medicine and Biology, 2019, 52, 29-36.	1.5	1
59	Dehydroflavonolignans from Silymarin Potentiate Transition Metal Toxicity In Vitro but Are Protective for Isolated Erythrocytes Ex Vivo. Antioxidants, 2021, 10, 679.	2.2	1
60	Free-radical scavenging activity of some European Polyporales. Natural Product Communications, 2010, 5, 923-6.	0.2	1
61	Can Isoquinoline Alkaloids Affect Platelet Aggregation in Whole Human Blood?. Toxins, 2022, 14, 491.	1.5	1
62	Analysis of Amaryllidaceae Alkaloids from Chlidanthus Fragrans by GC-MS and their Cholinesterase Activity. Natural Product Communications, 2011, 6, 1934578X1100600.	0.2	0