

Karel Å mejkal

List of Publications by Year in descending order

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98
papers

3,030
citations

147801

31
h-index

189892

50
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99
all docs

99
docs citations

99
times ranked

4530
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological activity of Cannabis compounds: a modern approach to the therapy of multiple diseases. <i>Phytochemistry Reviews</i> , 2022, 21, 429-470.	6.5	6
2	Abietane Diterpenes of the Genus <i>Plectranthus</i> sensu lato. <i>Molecules</i> , 2022, 27, 166.	3.8	7
3	Synthesis of <i>C</i> -prenylated analogues of stilbenoid methyl ethers and their cyclic dihydrobenzopyranyl derivatives as potential anti-inflammatory agents. <i>RSC Advances</i> , 2022, 12, 8188-8192.	3.6	0
4	Anti-breast cancer effects of phytochemicals: primary, secondary, and tertiary care. <i>EPMA Journal</i> , 2022, 13, 315-334.	6.1	34
5	C-geranylated flavonoids from <i>Paulownia tomentosa</i> Steud. fruit as potential anti-inflammatory agents. <i>Journal of Ethnopharmacology</i> , 2022, 296, 115509.	4.1	2
6	Flavonol glycosides from aerial parts of <i>Astragalus thracicus</i> Griseb. <i>Phytochemistry Letters</i> , 2021, 41, 119-122.	1.2	2
7	Incorporating natural anti-inflammatory compounds into yeast glucan particles increases their bioactivity in vitro. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 443-451.	7.5	9
8	Flavonoids Targeting HIF-1: Implications on Cancer Metabolism. <i>Cancers</i> , 2021, 13, 130.	3.7	57
9	Screening of Natural Compounds as P-Glycoprotein Inhibitors against Multidrug Resistance. <i>Biomedicines</i> , 2021, 9, 357.	3.2	28
10	Direct and Indirect Antioxidant Effects of Selected Plant Phenolics in Cell-Based Assays. <i>Molecules</i> , 2021, 26, 2534.	3.8	16
11	Antiproliferative and cytotoxic activities of C-Geranylated flavonoids from <i>Paulownia tomentosa</i> Steud. Fruit. <i>Bioorganic Chemistry</i> , 2021, 111, 104797.	4.1	6
12	Natural Resources for Human Health: A New Interdisciplinary Journal Dedicated to Natural Sciences. , 2021, 1, 1-2.		0
13	<i>Rhus coriaria</i> L. (Sumac) Demonstrates Oncostatic Activity in the Therapeutic and Preventive Model of Breast Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 183.	4.1	30
14	Metabolism of Selected 2-Arylbenzofurans in a Colon In Vitro Model System. <i>Foods</i> , 2021, 10, 2754.	4.3	2
15	Polyketide Derivatives in the Resistance of <i>Gerbera hybrida</i> to Powdery Mildew. <i>Frontiers in Plant Science</i> , 2021, 12, 790907.	3.6	4
16	Multiple In vitro biological effects of phenolic compounds from <i>Morus alba</i> root bark. <i>Journal of Ethnopharmacology</i> , 2020, 248, 112296.	4.1	37
17	Anti-inflammatory and antioxidant properties of chemical constituents of <i>Broussonetia papyrifera</i> . <i>Bioorganic Chemistry</i> , 2020, 104, 104298.	4.1	14
18	Therapeutic potential of prenylated stilbenoid macasiamenene F through its anti-inflammatory and cytoprotective effects on LPS-challenged monocytes and microglia. <i>Journal of Ethnopharmacology</i> , 2020, 263, 113147.	4.1	17

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19	Implications of flavonoids as potential modulators of cancer neovascularity. <i>Journal of Cancer Research and Clinical Oncology</i> , 2020, 146, 3079-3096.	2.5	31
20	Genoprotective activities of plant natural substances in cancer and chemopreventive strategies in the context of 3P medicine. <i>EPMA Journal</i> , 2020, 11, 261-287.	6.1	56
21	Flavonoids in Cancer Metastasis. <i>Cancers</i> , 2020, 12, 1498.	3.7	108
22	Chemopreventive and Therapeutic Efficacy of <i>Cinnamomum zeylanicum</i> L. Bark in Experimental Breast Carcinoma: Mechanistic In Vivo and In Vitro Analyses. <i>Molecules</i> , 2020, 25, 1399.	3.8	40
23	Metabolism of cis- and trans-Resveratrol and Dihydroresveratrol in an Intestinal Epithelial Model. <i>Nutrients</i> , 2020, 12, 595.	4.1	22
24	Natural compounds with dual antimicrobial and anti-inflammatory effects. <i>Phytochemistry Reviews</i> , 2020, 19, 1471-1502.	6.5	25
25	Natural Products-Derived Chemicals: Breaking Barriers to Novel Anti-HSV Drug Development. <i>Viruses</i> , 2020, 12, 154.	3.3	52
26	Dietary phytochemicals as the potential protectors against carcinogenesis and their role in cancer chemoprevention. <i>Clinical and Experimental Medicine</i> , 2020, 20, 173-190.	3.6	27
27	Natural products, the continuous source of therapeutic molecules for various diseases: literature landscape analysis. <i>Current Molecular Pharmacology</i> , 2020, 13, .	1.5	1
28	Indol-2-Carboxylic Acid Esters Containing N-Phenylpiperazine Moiety - Preparation and Cholinesterase-inhibiting Activity. <i>Current Organic Synthesis</i> , 2020, 17, 576-587.	1.3	2
29	Cholinesterase and Tyrosinase Inhibitory Potential and Antioxidant Capacity of L. and Isolation of the Major Compounds. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2020, 17, 528-534.	1.4	0
30	Cholinesterase and Tyrosinase Inhibitory Potential and Antioxidant Capacity of <i>Lysimachia verticillaris</i> L. and Isolation of the Major Compounds. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2020, 17, 528-534.	1.4	5
31	Psoromic Acid, a Lichen-Derived Molecule, Inhibits the Replication of HSV-1 and HSV-2, and Inactivates HSV-1 DNA Polymerase: Shedding Light on Antiherpetic Properties. <i>Molecules</i> , 2019, 24, 2912.	3.8	23
32	DNA Methylation Status in Cancer Disease: Modulations by Plant-Derived Natural Compounds and Dietary Interventions. <i>Biomolecules</i> , 2019, 9, 289.	4.0	41
33	MicroRNA targeting by quercetin in cancer treatment and chemoprotection. <i>Pharmacological Research</i> , 2019, 147, 104346.	7.1	68
34	Prenylated Stilbenoids Affect Inflammation by Inhibiting the NF- κ B/AP-1 Signaling Pathway and Cyclooxygenases and Lipoxygenase. <i>Journal of Natural Products</i> , 2019, 82, 1839-1848.	3.0	15
35	Inhibitory activity of <i>Podospermum canum</i> and its active components on collagenase, elastase and hyaluronidase enzymes. <i>Bioorganic Chemistry</i> , 2019, 93, 103330.	4.1	27
36	Antioxidant Activity of Selected Stilbenoid Derivatives in a Cellular Model System. <i>Biomolecules</i> , 2019, 9, 468.	4.0	13

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37	C-prenylated flavonoids with potential cytotoxic activity against solid tumor cell lines. <i>Phytochemistry Reviews</i> , 2019, 18, 1051-1100.	6.5	24
38	Iridoid aglycones from the underground parts of <i>Lathraea squamaria</i> . <i>Biochemical Systematics and Ecology</i> , 2019, 86, 103928.	1.3	2
39	Inhibitory activity of <i>Scorzonera latifolia</i> and its components on enzymes connected with healing process. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112168.	4.1	8
40	Parallel in vitro and in silico investigations into anti-inflammatory effects of non-prenylated stilbenoids. <i>Food Chemistry</i> , 2019, 285, 431-440.	8.2	28
41	<i>Maytenus macrocarpa</i> (Ruiz & Pav.) Briq.: Phytochemistry and Pharmacological Activity. <i>Molecules</i> , 2019, 24, 2288.	3.8	8
42	Flavonoid Glycosides from Endemic Bulgarian <i>Astragalus aitosensis</i> (Ivanisch.). <i>Molecules</i> , 2019, 24, 1419.	3.8	6
43	Metabolism of Stilbenoids by Human Faecal Microbiota. <i>Molecules</i> , 2019, 24, 1155.	3.8	31
44	Berberine in Cardiovascular and Metabolic Diseases: From Mechanisms to Therapeutics. <i>Theranostics</i> , 2019, 9, 1923-1951.	10.0	232
45	Curcumin: Total-Scale Analysis of the Scientific Literature. <i>Molecules</i> , 2019, 24, 1393.	3.8	48
46	Anticancer Activities of <i>Thymus vulgaris</i> L. in Experimental Breast Carcinoma in Vivo and in Vitro. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1749.	4.1	62
47	Effect of Selected Stilbenoids on Human Fecal Microbiota. <i>Molecules</i> , 2019, 24, 744.	3.8	15
48	Bioactive Molecules and Their Mechanisms of Action. <i>Molecules</i> , 2019, 24, 3752.	3.8	0
49	<i>Paeonia arietina</i> and <i>Paeonia kesrounansis</i> bioactive constituents: NMR, LC-DAD-MS fingerprinting and in vitro assays. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 165, 1-11.	2.8	24
50	In Vitro Study of Multi-Therapeutic Properties of <i>Thymus bovei</i> Benth. Essential Oil and Its Main Component for Promoting Their Use in Clinical Practice. <i>Journal of Clinical Medicine</i> , 2018, 7, 283.	2.4	22
51	Phytochemical Analysis of <i>Podospermum</i> and <i>Scorzonera</i> n-Hexane Extracts and the HPLC Quantitation of Triterpenes. <i>Molecules</i> , 2018, 23, 1813.	3.8	18
52	Anti-Infectivity against Herpes Simplex Virus and Selected Microbes and Anti-Inflammatory Activities of Compounds Isolated from <i>Eucalyptus globulus</i> Labill.. <i>Viruses</i> , 2018, 10, 360.	3.3	58
53	Anti-inflammatory Natural Prenylated Phenolic Compounds - Potential Lead Substances. <i>Current Medicinal Chemistry</i> , 2018, 25, 1094-1159.	2.4	36
54	Anti-inflammatory Activity of Natural Geranylated Flavonoids: Cyclooxygenase and Lipoxygenase Inhibitory Properties and Proteomic Analysis. <i>Journal of Natural Products</i> , 2017, 80, 999-1006.	3.0	72

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55	Determination of Capsaicin Content and Pungency Level of Different Fresh and Dried Chilli Peppers. <i>Folia Veterinaria</i> , 2017, 61, 11-16.	0.1	36
56	Prenylated flavonoid morusin protects against TNBS-induced colitis in rats. <i>PLoS ONE</i> , 2017, 12, e0182464.	2.5	34
57	Antibacterial activity of Capsicum extract against selected strains of bacteria and micromycetes. <i>Potravinarstvo</i> , 2017, 11, 223-229.	0.6	5
58	Turkish Scorzonera Species Extracts Attenuate Cytokine Secretion via Inhibition of NF-ĀB Activation, Showing Anti-Inflammatory Effect in Vitro. <i>Molecules</i> , 2016, 21, 43.	3.8	21
59	The Chemical Composition of <i>Achillea wilhelmsii</i> C. Koch and Its Desirable Effects on Hyperglycemia, Inflammatory Mediators and Hypercholesterolemia as Risk Factors for Cardiometabolic Disease. <i>Molecules</i> , 2016, 21, 404.	3.8	23
60	Kazakh Ziziphora Species as Sources of Bioactive Substances. <i>Molecules</i> , 2016, 21, 826.	3.8	23
61	Assessment of Chemical Impact of Invasive Bryozoan <i>Pectinatella magnifica</i> on the Environment: Cytotoxicity and Antimicrobial Activity of <i>P. magnifica</i> Extracts. <i>Molecules</i> , 2016, 21, 1476.	3.8	4
62	Feasibility of Fraction Collection in HPLC Systems with Evaporative Light Scattering Detector: Analysis of <i>Pectinatella magnifica</i> . <i>Molecules</i> , 2016, 21, 1495.	3.8	2
63	Natural Products to Counteract the Epidemic of Cardiovascular and Metabolic Disorders. <i>Molecules</i> , 2016, 21, 807.	3.8	128
64	Antioxidant potential of some natural and semi-synthetic flavonoid derivatives and the extracts from <i>Maclura pomifera</i> (Rafin.) Schneider (osage orange) and its essential oil composition. <i>Turkish Journal of Biochemistry</i> , 2016, 41, 403-411.	0.5	5
65	Young Barley Indicates Antitumor Effects in Experimental Breast Cancer In Vivo and In Vitro. <i>Nutrition and Cancer</i> , 2016, 68, 611-621.	2.0	41
66	Flavonoids as Potent Scavengers of Hydroxyl Radicals. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2016, 15, 720-738.	11.7	270
67	<i>C</i> -Geranylated flavonoids from <i>Paulownia tomentosa</i> fruits with antimicrobial potential and synergistic activity with antibiotics. <i>Pharmaceutical Biology</i> , 2016, 54, 1398-1407.	2.9	28
68	The chemotaxonomic significance of phenylethanoid glycosides of <i>Lathraea squamaria</i> L. (Orobanchaceae). <i>Biochemical Systematics and Ecology</i> , 2016, 64, 53-56.	1.3	11
69	Flavonoids as Anti-inflammatory Agents. , 2016, , 482-497.		1
70	Flavonoid 4-O-Methylkuwanon E from <i>Morus alba</i> Induces the Differentiation of THP-1 Human Leukemia Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-8.	1.2	1
71	Diplacone and mimulone ameliorate dextran sulfate sodium-induced colitis in rats. <i>FĀ-toterapĀ-Āĉ</i> , 2015, 101, 201-207.	2.2	30
72	Anthocyanins in purple and blue wheat grains and in resulting bread: quantity, composition, and thermal stability. <i>International Journal of Food Sciences and Nutrition</i> , 2015, 66, 514-519.	2.8	54

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73	<i>C</i> -Geranylated Flavanones from <i>Paulownia tomentosa</i> Fruits as Potential Anti-inflammatory Compounds Acting via Inhibition of TNF- α Production. <i>Journal of Natural Products</i> , 2015, 78, 850-863.	3.0	42
74	Phytochemical profile of <i>Paulownia tomentosa</i> (Thunb). Steud.. <i>Phytochemistry Reviews</i> , 2015, 14, 799-833.	6.5	38
75	Flavonoids as Anti-inflammatory Agents. , 2015, , 1-17.		4
76	Molecular mechanisms of antiproliferative effects induced by Schisandra-derived dibenzocyclooctadiene lignans (+)-deoxyschisandrins and (α^7)-gomisin N in human tumour cell lines. <i>FÄ-toterapÄ-ÄÇ</i> , 2014, 98, 241-247.	2.2	24
77	Identification of Key Structural Characteristics of <i>Schisandra chinensis</i> Lignans Involved in P-Glycoprotein Inhibition. <i>Journal of Natural Products</i> , 2014, 77, 2255-2263.	3.0	21
78	Evaluation of Anti-Inflammatory Activity of Prenylated Substances Isolated from <i>Morus alba</i> and <i>Morus nigra</i> . <i>Journal of Natural Products</i> , 2014, 77, 1297-1303.	3.0	72
79	Cytotoxic potential of C-prenylated flavonoids. <i>Phytochemistry Reviews</i> , 2014, 13, 245-275.	6.5	53
80	Structure and NMR properties of 6- α -substituted-6,6-dihydrobenzo[<i>c</i>]phenanthridine alkaloids. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 814-821.	1.9	1
81	Determination of antioxidant activity using oxidative damage to plasmid DNA – pursuit of solvent optimization. <i>Chemical Papers</i> , 2013, 67, .	2.2	3
82	Minor C-geranylated flavanones from <i>Paulownia tomentosa</i> fruits with MRSA antibacterial activity. <i>Phytochemistry</i> , 2013, 89, 104-113.	2.9	46
83	Tomentomimulol and mimulone B: Two new <i>C</i> -geranylated flavonoids from <i>Paulownia tomentosa</i> fruits. <i>Natural Product Research</i> , 2013, 27, 613-618.	1.8	22
84	Prenylated Flavonoids from <i>Morus alba</i> L. Cause Inhibition of G1/S Transition in THP-1 Human Leukemia Cells and Prevent the Lipopolysaccharide-Induced Inflammatory Response. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	1.2	16
85	Natural Compounds Isolated from <i>Maytenus macrocarpa</i> (Ruiz & Pav.) Briq. (Celastraceae). <i>Planta Medica</i> , 2013, 79, .	1.3	0
86	Natural Compound Cudraflavone B Shows Promising Anti-inflammatory Properties in Vitro. <i>Journal of Natural Products</i> , 2011, 74, 614-619.	3.0	46
87	Geranylated flavanone tomentodiplacone B inhibits proliferation of human monocytic leukaemia (THP-1) cells. <i>British Journal of Pharmacology</i> , 2011, 162, 1534-1541.	5.4	26
88	Hepatoprotective and TNF- α inhibitory activity of <i>Zosima absinthifolia</i> extracts and coumarins. <i>FÄ-toterapÄ-ÄÇ</i> , 2011, 82, 454-459.	2.2	19
89	CHANGES IN THE LEVEL OF BIOACTIVE COMPOUNDS IN PAULOWNIA TOMENTOSA FRUITS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 276-288.	1.0	6
90	Evaluation of the Antiradical Activity of Schisandra Chinensis Lignans Using Different Experimental Models. <i>Molecules</i> , 2010, 15, 1223-1231.	3.8	13

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91	Evaluation of Cytotoxic Activity of <i>Schisandra chinensis</i> Lignans. <i>Planta Medica</i> , 2010, 76, 1672-1677.	1.3	34
92	Cytotoxic Activities of Several Geranyl-Substituted Flavanones. <i>Journal of Natural Products</i> , 2010, 73, 568-572.	3.0	65
93	Analgesic compounds from <i>Scorzonera latifolia</i> (Fisch. and Mey.) DC.. <i>Journal of Ethnopharmacology</i> , 2010, 131, 83-87.	4.1	27
94	Glycosylated nervogenic acid derivatives from <i>Liparis condylobulbon</i> (Reichb.f.) leaves. <i>Carbohydrate Research</i> , 2009, 344, 1770-1774.	2.3	7
95	Antibacterial <i>C</i> -Geranylflavonoids from <i>Paulownia tomentosa</i> Fruits. <i>Journal of Natural Products</i> , 2008, 71, 706-709.	3.0	68
96	Cytotoxic Activity of <i>C</i> -Geranyl Compounds from <i>Paulownia tomentosa</i> Fruits. <i>Planta Medica</i> , 2008, 74, 1488-1491.	1.3	32
97	Antiradical Activity of <i>Paulownia tomentosa</i> (Scrophulariaceae) Extracts. <i>Molecules</i> , 2007, 12, 1210-1219.	3.8	33
98	<i>C</i> -Geranyl Compounds from <i>Paulownia tomentosa</i> Fruits. <i>Journal of Natural Products</i> , 2007, 70, 1244-1248.	3.0	69