

Slavko I Komarnytsky

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,722
citations

257101

24
h-index

189595

50
g-index

70
all docs

70
docs citations

70
times ranked

3962
citing authors

#	ARTICLE	IF	CITATIONS
1	Plants and human health in the twenty-first century. Trends in Biotechnology, 2002, 20, 522-531.	4.9	689
2	Inhibitory Effects of Wild Blueberry Anthocyanins and Other Flavonoids on Biomarkers of Acute and Chronic Inflammation in Vitro. Journal of Agricultural and Food Chemistry, 2014, 62, 7022-7028.	2.4	132
3	Black Currant Anthocyanins Attenuate Weight Gain and Improve Glucose Metabolism in Diet-Induced Obese Mice with Intact, but Not Disrupted, Gut Microbiome. Journal of Agricultural and Food Chemistry, 2015, 63, 6172-6180.	2.4	132
4	Production of Recombinant Proteins in Tobacco Guttation Fluid. Plant Physiology, 2000, 124, 927-934.	2.3	125
5	Cosecretion of Protease Inhibitor Stabilizes Antibodies Produced by Plant Roots. Plant Physiology, 2006, 141, 1185-1193.	2.3	115
6	Rhizosecretion of recombinant proteins from plant hairy roots. Plant Cell Reports, 2003, 21, 1188-1193.	2.8	103
7	Metabolic Effects of Berries with Structurally Diverse Anthocyanins. International Journal of Molecular Sciences, 2017, 18, 422.	1.8	96
8	Protease inhibitors and their peptidomimetic derivatives as potential drugs. , 2007, 113, 354-368.		83
9	20-Hydroxyecdysone decreases weight and hyperglycemia in a diet-induced obesity mice model. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E433-E439.	1.8	82
10	Chemical composition, antioxidant and anti-inflammatory properties of pistachio hull extracts. Food Chemistry, 2016, 210, 85-95.	4.2	75
11	Polyphenolic compounds from Artemisia dracunculul L. inhibit PEPCK gene expression and gluconeogenesis in an H4IIE hepatoma cell line. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1503-E1510.	1.8	73
12	Potato protease inhibitors inhibit food intake and increase circulating cholecystokinin levels by a trypsin-dependent mechanism. International Journal of Obesity, 2011, 35, 236-243.	1.6	65
13	Activation of pattern recognition receptors in brown adipocytes induces inflammation and suppresses uncoupling protein 1 expression and mitochondrial respiration. American Journal of Physiology - Cell Physiology, 2014, 306, C918-C930.	2.1	65
14	Enhanced stability of berry pomace polyphenols delivered in protein-polyphenol aggregate particles to an in vitro gastrointestinal digestion model. Food Chemistry, 2020, 331, 127279.	4.2	62
15	1,25-Dihydroxyvitamin D3/vitamin D receptor suppresses brown adipocyte differentiation and mitochondrial respiration. European Journal of Nutrition, 2015, 54, 1001-1012.	1.8	60
16	Tobacco ribosomal DNA spacer element stimulates amplification and expression of heterologous genes. Nature Biotechnology, 2000, 18, 1303-1306.	9.4	46
17	Oral administration of triptolide ameliorates the clinical signs of experimental autoimmune encephalomyelitis (EAE) by induction of HSP70 and stabilization of NF- κ B/I κ B transcriptional complex. Journal of Neuroimmunology, 2009, 217, 28-37.	1.1	45
18	Berries containing anthocyanins with enhanced methylation profiles are more effective at ameliorating high fat diet-induced metabolic damage. Food and Chemical Toxicology, 2018, 111, 445-453.	1.8	43

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19	A quick and efficient system for antibiotic-free expression of heterologous genes in tobacco roots. <i>Plant Cell Reports</i> , 2004, 22, 765-773.	2.8	39
20	Preparative isolation and identification of tyrosinase inhibitors from the seeds of <i>Garcinia kola</i> by high-speed counter-current chromatography. <i>Journal of Chromatography A</i> , 2007, 1151, 45-50.	1.8	37
21	Alaskan seaweeds lower inflammation in RAW 264.7 macrophages and decrease lipid accumulation in 3T3-L1 adipocytes. <i>Journal of Functional Foods</i> , 2015, 15, 396-407.	1.6	35
22	Anabolic effect of plant brassinosteroid. <i>FASEB Journal</i> , 2011, 25, 3708-3719.	0.2	32
23	The Enigma of Bioactivity and Toxicity of Botanical Oils for Skin Care. <i>Frontiers in Pharmacology</i> , 2020, 11, 785.	1.6	30
24	Steroidal glycosides from the bulbs of Easter lily (<i>Lilium longiflorum</i> Thunb.) promote dermal fibroblast migration in vitro. <i>Journal of Ethnopharmacology</i> , 2013, 148, 433-440.	2.0	28
25	Functional Analysis of Promoter Elements in Plants. , 2003, 25, 113-141.		28
26	Alaskan Berry Extracts Promote Dermal Wound Repair Through Modulation of Bioenergetics and Integrin Signaling. <i>Frontiers in Pharmacology</i> , 2019, 10, 1058.	1.6	27
27	In vitro lipolytic, antioxidant and anti-inflammatory activities of roasted pistachio kernel and skin constituents. <i>Food and Function</i> , 2016, 7, 4285-4298.	2.1	26
28	Cytotoxic Effects of Ellagitannins Isolated from Walnuts in Human Cancer Cells. <i>Nutrition and Cancer</i> , 2014, 66, 1304-1314.	0.9	25
29	Structural constraints and importance of caffeic acid moiety for anti-hyperglycemic effects of caffeoylquinic acids from chicory. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1601118.	1.5	22
30	Antibacterial activity of medicinal plants from The Physicians of Myddvai, a 14th century Welsh medical manuscript. <i>Journal of Ethnopharmacology</i> , 2017, 203, 171-181.	2.0	22
31	Pregnane glycosides interfere with steroidogenic enzymes to downregulate corticosteroid production in human adrenocortical H295R cells. <i>Journal of Cellular Physiology</i> , 2013, 228, 1120-1126.	2.0	19
32	Botanical Provenance of Traditional Medicines From Carpathian Mountains at the Ukrainian-Polish Border. <i>Frontiers in Pharmacology</i> , 2018, 9, 295.	1.6	18
33	Endocannabinoid System and Its Regulation by Polyunsaturated Fatty Acids and Full Spectrum Hemp Oils. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5479.	1.8	18
34	Gains and Losses of Agricultural Food Production: Implications for the Twenty-First Century. <i>Annual Review of Food Science and Technology</i> , 2022, 13, 239-261.	5.1	18
35	Akt-Dependent Anabolic Activity of Natural and Synthetic Brassinosteroids in Rat Skeletal Muscle Cells. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4057-4066.	2.9	17
36	Acceleration of cutaneous wound healing by brassinosteroids. <i>Wound Repair and Regeneration</i> , 2013, 21, 688-696.	1.5	17

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37	Mushrooms as Functional and Nutritious Food Ingredients for Multiple Applications. <i>ACS Food Science & Technology</i> , 2022, 2, 1184-1195.	1.3	17
38	Polyphenols isolated from <i>Acacia mearnsii</i> bark with anti-inflammatory and carbolytic enzyme inhibitory activities. <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 816-824.	0.7	16
39	Spicing up gastrointestinal health with dietary essential oils. <i>Phytochemistry Reviews</i> , 2020, 19, 243-263.	3.1	15
40	Exploring the Anti-Acne Potential of Impepho [<i>Helichrysum odoratissimum</i> (L.) Sweet] to Combat <i>Cutibacterium acnes</i> Virulence. <i>Frontiers in Pharmacology</i> , 2019, 10, 1559.	1.6	15
41	Lily steroidal glycoalkaloid promotes early inflammatory resolution in wounded human fibroblasts. <i>Journal of Ethnopharmacology</i> , 2020, 258, 112766.	2.0	13
42	Hypoglycemic effects of brassinosteroid in diet-induced obese mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E652-E658.	1.8	12
43	Effects of Pregnane Glycosides on Food Intake Depend on Stimulation of the Melanocortin Pathway and BDNF in an Animal Model. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1841-1849.	2.4	12
44	Hepatoprotective Activity of Easter Lily (<i>Lilium longiflorum</i> Thunb.) Bulb Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9722-9728.	2.4	11
45	Phytoecdysteroid-enriched quinoa seed leachate enhances healthspan and mitochondrial metabolism in <i>Caenorhabditis elegans</i> . <i>Journal of Functional Foods</i> , 2017, 37, 1-7.	1.6	10
46	Phenylpropanoid Glycerol Glucosides Attenuate Glucose Production in Hepatocytes. <i>ACS Omega</i> , 2019, 4, 10670-10676.	1.6	10
47	All Polyphenols Are Not Created Equal: Exploring the Diversity of Phenolic Metabolites. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2077-2091.	2.4	8
48	Celtic Provenance in Traditional Herbal Medicine of Medieval Wales and Classical Antiquity. <i>Frontiers in Pharmacology</i> , 2020, 11, 105.	1.6	7
49	Application of DNA Flow Cytometry to Aid Species Delimitation in <i>Isoetes</i> . <i>Castanea</i> , 2018, 83, 38-47.	0.2	5
50	Immune Responses Are Differentially Regulated by Root, Stem, Leaf, and Flower Extracts of Female and Male CBD Hemp (<i>Cannabis sativa</i> L.) Plants. <i>Immuno</i> , 2021, 1, 369-379.	0.6	5
51	Plant-Based Support of Respiratory Health during Viral Outbreaks. <i>Journal of Agricultural and Food Chemistry</i> , 2022, , .	2.4	5
52	Rheum raphonticum Root Extract Improves Vasomotor Menopausal Symptoms and Estrogen-Regulated Targets in Ovariectomized Rat Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1032.	1.8	3
53	Effect of Wild Blueberry Metabolites on Biomarkers of Gastrointestinal and Immune Health In Vitro. <i>Immuno</i> , 2022, 2, 293-306.	0.6	3
54	Thiazolopyridines Improve Adipocyte Function by Inhibiting 11 Beta-HSD1 Oxoreductase Activity. <i>Journal of Chemistry</i> , 2017, 2017, 1-10.	0.9	2

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55	Modulation of Brain-Derived Neurotrophic Factor (BDNF) Signaling Pathway by Culinary Sage (Salvia) Tj ETQq1 1 0.784314 rBT /Ove	1.8	1
56	Brassinosteroid enhances C57BL/6j mice treadmill endurance. FASEB Journal, 2012, 26, 1121.8.	0.2	1
57	Phylogenetic tree of the Australian species of Nicotiana based on the random amplified polymorphic DNA. Biopolymers and Cell, 2001, 17, 278-282.	0.1	1
58	Metals Complexes Formed with Oleanolic Acid. International Journal of Organic Chemistry, 2018, 08, 160-169.	0.3	1
59	In vivo mouse model for examining contribution of inflammation to development of obesity and diabetes. FASEB Journal, 2012, 26, 364.4.	0.2	0
60	Modulation of muscle mass and myogenic stem cells with natural products. Planta Medica, 2012, 78, .	0.7	0
61	Bioenergetic characterization of adipogenesis impaired by inflammation. FASEB Journal, 2013, 27, 109.4.	0.2	0
62	HSCCC isolation and characterization of walnut polyphenols with antioxidative and lipolytic activity. FASEB Journal, 2013, 27, 1065.17.	0.2	0
63	Anti-inflammatory bioactives in Alaskan seaweed: implications in metabolic syndrome (1045.14). FASEB Journal, 2014, 28, 1045.14.	0.2	0
64	Bioenergetic characterization of macrophage inflammatory responses attenuated by anthocyanins (383.2). FASEB Journal, 2014, 28, 383.2.	0.2	0
65	1, 25-dihydroxyvitamin D3/Vit D receptor suppresses brown adipocyte differentiation and mitochondrial biogenesis (1041.6). FASEB Journal, 2014, 28, 1041.6.	0.2	0
66	Diverse Classes of Bitter Phytochemicals Modulate Carbohydrate Metabolism and Immune Responses through Gastrointestinal Bitter Taste Receptors. FASEB Journal, 2015, 29, 405.5.	0.2	0
67	Vitamin E: Defining Status for Optimal Health. , 2015, , 252-267.		0
68	A metabolic stability determination of Tetrahydrothiazolopyridine derivative a selective 11 β -hydroxy steroid dehydrogenase type 1 (11 β -hsd1) inhibitor. International Journal of Pharma and Bio Sciences, 2017, 8, .	0.1	0