

# Alexander A Poulev

## List of Publications by Year in descending order

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77  
papers

5,170  
citations

101543

36  
h-index

88630

70  
g-index

79  
all docs

79  
docs citations

79  
times ranked

6792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plants and human health in the twenty-first century. <i>Trends in Biotechnology</i> , 2002, 20, 522-531.	9.3	689
2	Use of plant roots for phytoremediation and molecular farming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 5973-5977.	7.1	233
3	Inhibitory effects of grape seed extract on lipases. <i>Nutrition</i> , 2003, 19, 876-879.	2.4	211
4	A natural history of botanical therapeutics. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, S3-S9.	3.4	211
5	Hypoglycemic activity of a novel anthocyanin-rich formulation from lowbush blueberry, <i>Vaccinium angustifolium</i> Aiton. <i>Phytomedicine</i> , 2009, 16, 406-415.	5.3	203
6	The Composition of Hemp Seed Oil and Its Potential as an Important Source of Nutrition. <i>Journal of Nutraceuticals, Functional and Medical Foods</i> , 2000, 2, 35-53.	0.5	196
7	In vitro and in vivo anti-diabetic effects of anthocyanins from Maqui Berry ( <i>Aristotelia chilensis</i> ). <i>Food Chemistry</i> , 2012, 131, 387-396.	8.2	181
8	Quercetin transiently increases energy expenditure but persistently decreases circulating markers of inflammation in C57BL/6J mice fed a high-fat diet. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, S39-S46.	3.4	177
9	Stable, water extractable isothiocyanates from <i>Moringa oleifera</i> leaves attenuate inflammation in vitro. <i>Phytochemistry</i> , 2014, 103, 114-122.	2.9	151
10	Effects of a high fat meal matrix and protein complexation on the bioaccessibility of blueberry anthocyanins using the TNO gastrointestinal model (TIM-1). <i>Food Chemistry</i> , 2014, 142, 349-357.	8.2	146
11	Anti-inflammatory and immunosuppressive compounds from <i>Tripterygium wilfordii</i> . <i>Phytochemistry</i> , 2007, 68, 1172-1178.	2.9	135
12	Antihyperglycemic activity of Tarralinã, an ethanolic extract of <i>Artemisia dracunculoides</i> L.. <i>Phytomedicine</i> , 2006, 13, 550-557.	5.3	130
13	Phytoecdysteroids Increase Protein Synthesis in Skeletal Muscle Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3532-3537.	5.2	130
14	Elicitation, a New Window into Plant Chemodiversity and Phytochemical Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 2542-2547.	6.4	129
15	In vivo and in vitro antidiabetic effects of aqueous cinnamon extract and cinnamon polyphenol-enhanced food matrix. <i>Food Chemistry</i> , 2012, 135, 2994-3002.	8.2	121
16	Bioassay-guided isolation of aldose reductase inhibitors from <i>Artemisia dracunculoides</i> . <i>Phytochemistry</i> , 2006, 67, 1539-1546.	2.9	113
17	Direct and Indirect Antioxidant Activity of Polyphenol- and Isothiocyanate-Enriched Fractions from <i>Moringa oleifera</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1505-1513.	5.2	101
18	Quinoa seeds leach phytoecdysteroids and other compounds with anti-diabetic properties. <i>Food Chemistry</i> , 2014, 163, 178-185.	8.2	92

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19	Effects of <i>Arachis hypogaea</i> nutshell extract on lipid metabolic enzymes and obesity parameters. <i>Life Sciences</i> , 2006, 78, 2797-2803.	4.3	77
20	Bacterial Production of Indole Related Compounds Reveals Their Role in Association Between Duckweeds and Endophytes. <i>Frontiers in Chemistry</i> , 2018, 6, 265.	3.6	75
21	Bioactives from bitter melon enhance insulin signaling and modulate acyl carnitine content in skeletal muscle in high-fat diet-fed mice. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 1064-1073.	4.2	74
22	Safety and pharmacokinetics of naringenin: A randomized, controlled, single ascending dose clinical trial. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 91-98.	4.4	74
23	Polyphenolic compounds from <i>Artemisia dracunculus</i> L. inhibit PEPCK gene expression and gluconeogenesis in an H4IIE hepatoma cell line. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1503-E1510.	3.5	73
24	Grape proanthocyanidin-induced intestinal bloom of <i>Akkermansia muciniphila</i> is dependent on its baseline abundance and precedes activation of host genes related to metabolic health. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 142-151.	4.2	72
25	Toxicological evaluation of a chicory root extract. <i>Food and Chemical Toxicology</i> , 2007, 45, 1131-1139.	3.6	67
26	Antiplasmodial activity of aporphine alkaloids and sesquiterpene lactones from <i>Liriodendron tulipifera</i> L.. <i>Journal of Ethnopharmacology</i> , 2011, 133, 26-30.	4.1	66
27	Efficient sorption of polyphenols to soybean flour enables natural fortification of foods. <i>Food Chemistry</i> , 2012, 131, 1193-1200.	8.2	65
28	Improved absorption and bioactivity of active compounds from an anti-diabetic extract of <i>Artemisia dracunculus</i> L. <i>International Journal of Pharmaceutics</i> , 2009, 370, 87-92.	5.2	63
29	Proanthocyanidin-Rich Grape Seed Extract Reduces Inflammation and Oxidative Stress and Restores Tight Junction Barrier Function in Caco-2 Colon Cells. <i>Nutrients</i> , 2020, 12, 1623.	4.1	62
30	Polyphenol-rich Rutgers Scarlet Lettuce improves glucose metabolism and liver lipid accumulation in diet-induced obese C57BL/6 mice. <i>Nutrition</i> , 2014, 30, S52-S58.	2.4	56
31	Characterization of the elicitor-induced biosynthesis and secretion of genistein from roots of <i>Lupinus luteus</i> L. <i>Journal of Experimental Botany</i> , 1999, 50, 1553-1559.	4.8	54
32	Anti-inflammatory Activity of Grains of Paradise ( <i>Aframomum melegueta</i> Schum) Extract. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10452-10457.	5.2	50
33	Toxicological evaluation of the ethanolic extract of <i>Artemisia dracunculus</i> L. for use as a dietary supplement and in functional foods. <i>Food and Chemical Toxicology</i> , 2004, 42, 585-598.	3.6	48
34	Evaluation of botanicals for improving human health. <i>American Journal of Clinical Nutrition</i> , 2008, 87, 472S-475S.	4.7	45
35	<i>Artemisia dracunculus</i> L. polyphenols complexed to soy protein show enhanced bioavailability and hypoglycemic activity in C57BL/6 mice. <i>Nutrition</i> , 2014, 30, S4-S10.	2.4	44
36	Toxicological evaluation of Grains of Paradise ( <i>Aframomum melegueta</i> ) [Roscoe] K. Schum.. <i>Journal of Ethnopharmacology</i> , 2010, 127, 352-356.	4.1	39

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37	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.	3.7	37
38	Radioimmunoassay for the Quantitative Determination of Galanthamine. <i>Planta Medica</i> , 1990, 56, 77-81.	1.3	36
39	Qualitative variation of anti-diabetic compounds in different tarragon ( <i>Artemisia dracunculus</i> L.) cytotypes. <i>FÄ-toterapÄ-Äç</i> , 2011, 82, 1062-1074.	2.2	35
40	Grape polyphenols reduce gut-localized reactive oxygen species associated with the development of metabolic syndrome in mice. <i>PLoS ONE</i> , 2018, 13, e0198716.	2.5	35
41	Antiparasitic compounds from <i>Cornus florida</i> L. with activities against <i>Plasmodium falciparum</i> and <i>Leishmania tarentolae</i> . <i>Journal of Ethnopharmacology</i> , 2012, 142, 456-461.	4.1	33
42	Phytoecdysteroids and flavonoid glycosides among Chilean and commercial sources of <i>Chenopodium quinoa</i> : variation and correlation to physicochemical characteristics. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 633-643.	3.5	31
43	Biochemical Analysis and in Vivo Hypoglycemic Activity of a Grape Polyphenol-Soybean Flour Complex. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8860-8865.	5.2	30
44	Enzyme Immunoassay for the Quantitative Determination of Galanthamine. <i>Planta Medica</i> , 1993, 59, 442-446.	1.3	27
45	Leishmanicidal activity of a daucane sesquiterpene isolated from <i>Eryngium foetidum</i> . <i>Pharmaceutical Biology</i> , 2014, 52, 398-401.	2.9	25
46	Regioselective bioconversion of colchicine and thiocolchicine into their corresponding 3-demethyl derivatives. <i>Journal of Bioscience and Bioengineering</i> , 1995, 79, 33-38.	0.9	23
47	High phenolics Rutgers Scarlet Lettuce improves glucose metabolism in high fat diet-induced obese mice. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2367-2378.	3.3	23
48	Immunoassays for the Quantitative Determination of Colchicine. <i>Planta Medica</i> , 1994, 60, 77-83.	1.3	22
49	Compounds leached from quinoa seeds inhibit matrix metalloproteinase activity and intracellular reactive oxygen species. <i>International Journal of Cosmetic Science</i> , 2015, 37, 212-221.	2.6	20
50	Characterization of the elicitor-induced biosynthesis and secretion of genistein from roots of <i>Lupinus luteus</i> L. <i>Journal of Experimental Botany</i> , 1999, 50, 1553-1559.	4.8	20
51	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.	4.1	19
52	The Determination of Salicylates in <i>Gaultheria procumbens</i> for Use as a Natural Aspirin Alternative. <i>Journal of Nutraceuticals, Functional and Medical Foods</i> , 2003, 4, 39-52.	0.5	18
53	Akt-Dependent Anabolic Activity of Natural and Synthetic Brassinosteroids in Rat Skeletal Muscle Cells. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4057-4066.	6.4	17
54	Synthesis and Separation of Potential Anticancer Active Dihalocephalomannine Diastereomers from Extracts of <i>Taxus yunnanensis</i> . <i>Journal of Natural Products</i> , 1998, 61, 57-63.	3.0	16

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55	Determination of tripdiolide in root extracts of <i>Tripterygium wilfordii</i> by solid-phase extraction and reversed-phase high-performance liquid chromatography. <i>Phytochemical Analysis</i> , 2008, 19, 348-352.	2.4	16
56	Distinct Fractions of an <i>Artemisia scoparia</i> Extract Contain Compounds With Novel Adipogenic Bioactivity. <i>Frontiers in Nutrition</i> , 2019, 6, 18.	3.7	16
57	Metabolomic differences between invasive alien plants from native and invaded habitats. <i>Scientific Reports</i> , 2020, 10, 9749.	3.3	16
58	Tracer studies with <sup>13</sup> C-labeled carbohydrates in cultured plant cells. Retrobiosynthetic analysis of chelidonic acid biosynthesis. <i>Phytochemistry</i> , 2001, 57, 33-42.	2.9	15
59	Variation in levels of the flavone triclin in bran from rice genotypes varying in pericarp color. <i>Journal of Cereal Science</i> , 2018, 79, 226-232.	3.7	15
60	Genetic and Phytochemical Characterization of Lettuce Flavonoid Biosynthesis Mutants. <i>Scientific Reports</i> , 2019, 9, 3305.	3.3	15
61	Fucoxanthin and Its Metabolite Fucoxanthinol Do Not Induce Browning in Human Adipocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10915-10924.	5.2	14
62	Host-specific and tissue-dependent orchestration of microbiome community structure in traditional rice paddy ecosystems. <i>Plant and Soil</i> , 2020, 452, 379-395.	3.7	14
63	Auxin-Producing Bacteria from Duckweeds Have Different Colonization Patterns and Effects on Plant Morphology. <i>Plants</i> , 2022, 11, 721.	3.5	14
64	Antiplasmodial activity of cucurbitacin glycosides from <i>Datisca glomerata</i> (C. Presl) Baill. <i>Phytochemistry</i> , 2013, 87, 78-85.	2.9	13
65	An Extract of <i>Artemisia dracunculus</i> L. Promotes Psychological Resilience in a Mouse Model of Depression. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	4.0	13
66	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.	5.2	12
67	The DESIGNER Approach Helps Decipher the Hypoglycemic Bioactive Principles of <i>Artemisia dracunculus</i> (Russian Tarragon). <i>Journal of Natural Products</i> , 2019, 82, 3321-3329.	3.0	12
68	Tricin levels and expression of flavonoid biosynthetic genes in developing grains of purple and brown pericarp rice. <i>PeerJ</i> , 2019, 7, e6477.	2.0	11
69	Anti-inflammatory Effects of a Sesquiterpene Lactone Extract from Chicory ( <i>Cichorium intybus</i> L.) Roots. <i>Natural Product Communications</i> , 2007, 2, 1934578X0700200.	0.5	10
70	An Extract of Russian Tarragon Prevents Obesity-Related Ectopic Lipid Accumulation. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700856.	3.3	9
71	Seed of <i>Barbarea verna</i> a Rich Source of Phenethyl Isothiocyanate to Provide Natural Protection from Environmental and Dietary Toxins. <i>Journal of Nutraceuticals, Functional and Medical Foods</i> , 2001, 3, 43-65.	0.5	7
72	Rapid, field-deployable method for collecting and preserving plant metabolome for biochemical and functional characterization. <i>PLoS ONE</i> , 2018, 13, e0203569.	2.5	7

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73	Moringa isothiocyanate-1 is bioaccessible and bioavailable as a stable unmodified compound. <i>Phytochemistry Letters</i> , 2020, 38, 33-38.	1.2	7
74	Isolating an active and inactive CACTA transposon from lettuce color mutants and characterizing their family. <i>Plant Physiology</i> , 2021, 186, 929-944.	4.8	5
75	A Whole-Grain Diet Increases Whole-Body Protein Balance Compared with a Macronutrient-Matched Refined-Grain Diet. <i>Current Developments in Nutrition</i> , 2021, 5, nzab121.	0.3	4
76	Prenylated Coumaric Acids from <i>Artemisia scoparia</i> Beneficially Modulate Adipogenesis. <i>Journal of Natural Products</i> , 2021, 84, 1078-1086.	3.0	3
77	Antidiabetic effects and antioxidant capacity of polyphenolenhanced Rutgers Scarlet Lettuce. <i>FASEB Journal</i> , 2013, 27, 1079.7.	0.5	0