Izabela Grzegorczyk-Karolak

List of Publications by Year
in descending order

44 papers	800 citations	567144 15 h-index	552653 26 g-index
44 all docs	44 docs citations	44 times ranked	843 citing authors

#	Article	IF	Citations
1	Hairy roots of Dracocephalum moldavica: rosmarinic acid content and antioxidant potential. Acta Physiologiae Plantarum, 2013, 35, 2095-2103.	1.0	73
2	The effect of cytokinins on shoot proliferation, secondary metabolite production and antioxidant potential in shoot cultures of Scutellaria alpina. Plant Cell, Tissue and Organ Culture, 2015, 122, 699-708.	1.2	62
3	Inhibition of Advanced Glycation End-Product Formation and Antioxidant Activity by Extracts and Polyphenols from Scutellaria alpina L. and S. altissima L.. Molecules, 2016, 21, 739.	1.7	57
4	Hairy root cultures of Salvia viridis L. for production of polyphenolic compounds. Industrial Crops and Products, 2018, 117, 235-244.	2.5	46
5	Determination of the Phenolic Profile and Antioxidant Properties of Salvia viridis L. Shoots: A Comparison of Aqueous and Hydroethanolic Extracts. Molecules, 2018, 23, 1468.	1.7	42
6	The influence of liquid systems for shoot multiplication, secondary metabolite production and plant regeneration of Scutellaria alpina. Plant Cell, Tissue and Organ Culture, 2017, 128, 479-486.	1.2	38
7	Micropropagation of Rehmannia glutinosa Libosch.: production of phenolics and flavonoids and evaluation of antioxidant activity. Acta Physiologiae Plantarum, 2014, 36, 1693-1702.	1.0	37
8	Study on the chemical composition and antioxidant activity of extracts from shoot culture and regenerated plants of Scutellaria altissima L.. Acta Physiologiae Plantarum, 2015, 37, 1.	1.0	31
9	Establishment of hairy root cultures of Salvia bulleyana Diels for production of polyphenolic compounds. Journal of Biotechnology, 2020, 318, 10-19.	1.9	30
10	Effect of cytokinins on shoots proliferation and rosmarinic and salvianolic acid B production in shoot culture of Dracocephalum forrestii W. W. Smith. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	21
11	Cytokinin Signaling and De Novo Shoot Organogenesis. Genes, 2021, 12, 265.	1.0	20
12	In vitro cultures of Scutellaria alpina as a source of pharmacologically active metabolites. Acta Physiologiae Plantarum, 2016, 38, 1.	1.0	19
13	The antioxidant and antimicrobial properties of phenol-rich extracts of Dracocephalum forrestii W. W. Smith shoot cultures grown in the nutrient sprinkle bioreactor. Phytochemistry Letters, 2019, 30, 254-260.	0.6	18
14	Accumulation of phenolic compounds in different in vitro cultures of Salvia viridis L. and their antioxidant and antimicrobial potential. Phytochemistry Letters, 2019, 30, 324-332.	0.6	18
15	The Protective Function and Modification of Secondary Metabolite Accumulation in Response to Light Stress in Dracocephalum forrestii Shoots. International Journal of Molecular Sciences, 2021, 22, 7965.	1.8	18
16	Cytokinin-Based Tissue Cultures for Stable Medicinal Plant Production: Regeneration and Phytochemical Profiling of Salvia bulleyana Shoots. Biomolecules, 2021, 11, 1513.	1.8	18
17	Callus cultures of Harpagophytum procumbens (Burch.) DC. ex Meisn.; production of secondary metabolites and antioxidant activity. South African Journal of Botany, 2016, 103, 41-48.	1.2	16
18	Identification and quantification of phenolic compounds in Salvia cadmica Boiss. and their biological potential. Industrial Crops and Products, 2021, 160, 113113.	2.5	16

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19	Rosmarinic Acid Accumulation and Antioxidant Potential of Dracocephalum moldavica L. Cell Suspension Culture. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 45, 215-219.	0.5	15
20	Phytochemical Profile and Antioxidant Activity of Aerial and Underground Parts of Salvia bulleyana Diels. Plants. Metabolites, 2020, 10, 497.	1.3	15
21	The effect of purine-type cytokinin on the proliferation and production of phenolic compounds in transformed shoots of Dracocephalum forrestii. Journal of Biotechnology, 2019, 306, 125-133.	1.9	14
22	Transformed Shoots of Dracocephalum forrestii W.W. Smith from Different Bioreactor Systems as a Rich Source of Natural Phenolic Compounds. Molecules, 2020, 25, 4533.	1.7	14
23	Studies on the antioxidant properties of extracts from the roots and shoots of two Scutellaria species in human blood plasma. Acta Biochimica Polonica, 2015, 62, 253-258.	0.3	13
24	The content of triterpene saponins and phenolic compounds in American ginseng hairy root extracts and their antioxidant and cytotoxic properties. Plant Cell, Tissue and Organ Culture, 2019, 138, 353-362.	1.2	13
25	The Stimulatory Effect of Purine-Type Cytokinins on Proliferation and Polyphenolic Compound Accumulation in Shoot Culture of Salvia viridis. Biomolecules, 2020, 10, 178.	1.8	13
26	The influence of cytokinins on proliferation and polyphenol accumulation in shoot cultures of Scutellaria altissima L.. Phytochemistry Letters, 2017, 20, 449-455.	0.6	12
27	Regeneration of Phaseolus vulgaris from epicotyls and hypocotyls via direct organogenesis. Scientific Reports, 2019, 9, 6248.	1.6	11
28	A Comparison of the Attitudes to Influenza Vaccination Held by Nursing, Midwifery, Pharmacy, and Public Health Students and Their Knowledge of Viral Infections. Vaccines, 2020, 8, 516.	2.1	11
29	An Untapped Resource in the Spotlight of Medicinal Biotechnology: The Genus Scutellaria. Current Pharmaceutical Biotechnology, 2018, 19, 358-371.	0.9	11
30	Pre-Vaccination Stress, Post-Vaccination Adverse Reactions, and Attitudes towards Vaccination after Receiving the COVID-19 Vaccine among Health Care Workers. Vaccines, 2022, 10, 401.	2.1	11
31	The Antioxidant, Cytotoxic and Antimicrobial Potential of Phenolic Acids-Enriched Extract of Elicited Hairy Roots of Salvia bulleyana. Molecules, 2022, 27, 992.	1.7	10
32	Optimization of culture conditions and cultivation phase for the growth of Salvia viridis transformed roots and polyphenolic compound production. Plant Cell, Tissue and Organ Culture, 2020, 142, 571-581.	1.2	8
33	Knowledge, Beliefs and Attitudes towards the Influenza Vaccine among Future Healthcare Workers in Poland. International Journal of Environmental Research and Public Health, 2021, 18, 2105.	1.2	8
34	Optimization of cultivation conditions of Salvia viridis L. shoots in the Plantform bioreactor to increase polyphenol production. Plant Cell, Tissue and Organ Culture, 2022, 149, 269-280.	1.2	8
35	Influence of Selected Antibiotics on the Tomato Regeneration in In Vitro Cultures. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2019, 47, .	0.5	7
36	The effect of different light treatments on morphogenesis, phenolic compound accumulation and antioxidant potential of Dracocephalum forrestii transformed shoots cultured in vitro. Journal of Photochemistry and Photobiology B: Biology, 2021, 224, 112329.	1.7	6

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37	In Vitro Strategy for the Enhancement of the Production of Bioactive Polyphenols in Transformed Roots of Salvia bulleyana. International Journal of Molecular Sciences, 2022, 23, 7771.	1.8	6
38	Plant Liquid Cultures as a Source of Bioactive Metabolites. Reference Series in Phytochemistry, 2021, , 743-771.	0.2	4
39	Evaluation of antioxidant activity of extracts from the roots and shoots of Scutellaria alpina L. and S. altissima L. in selected blood cells. Advances in Clinical and Experimental Medicine, 2018, 28, 453-460.	0.6	4
40	The extracts from Panax quinquefolium shoots derived from somatic embryos accumulate ginsenosides and have the antioxidant properties. In Vitro Cellular and Developmental Biology - Plant, 2015, 51, 696-701.	0.9	2
41	Barriers Associated with the Uptake Ratio of Seasonal Flu Vaccine and Ways to Improve Influenza Vaccination Coverage among Young Health Care Workers in Poland. Vaccines, 2021, 9, 530.	2.1	2
42	A Retrospective Cross-Sectional Study on the Risk of Getting Sick with COVID-19, the Course of the Disease, and the Impact of the National Vaccination Program against SARS-CoV-2 on Vaccination among Health Professionals in Poland. International Journal of Environmental Research and Public Health, 2022, 19, 7231.	1.2	2
43	Plant Liquid Cultures as a Source of Bioactive Metabolites. Reference Series in Phytochemistry, 2019, , 1-29.	0.2	0
44	Guggul- a herbal panacea from India. Farmacja Polska, 2020, 75, 664-675.	0.1	0