

# Ewa Muszyńska

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

909  
citations

516710

16  
h-index

477307

29  
g-index

38  
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38  
docs citations

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times ranked

1126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anatomical and hormonal factors determining the development of haploid and zygotic embryos of oat ( <i>Avena sativa</i> L.). <i>Scientific Reports</i> , 2022, 12, 548.	3.3	11
2	Signal Transduction in Cereal Plants Struggling with Environmental Stresses: From Perception to Response. <i>Plants</i> , 2022, 11, 1009.	3.5	10
3	PYR/PYL/RCAR Receptors Play a Vital Role in the Abscisic-Acid-Dependent Responses of Plants to External or Internal Stimuli. <i>Cells</i> , 2022, 11, 1352.	4.1	23
4	Photosynthetic apparatus efficiency, phenolic acid profiling and pattern of chosen phytohormones in pseudometallophyte <i>Alyssum montanum</i> . <i>Scientific Reports</i> , 2021, 11, 4135.	3.3	8
5	Micropropagation and experimental field cultivation of <i>Pulsatilla turczaninowii</i> Kryl. et Serg. ( <i>Ranunculaceae</i> ). <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 147, 477-489.	2.3	3
6	Activity profiling of barley vacuolar processing enzymes provides new insights into the plant and cyst nematode interaction. <i>Molecular Plant Pathology</i> , 2020, 21, 38-52.	4.2	20
7	Effects of lead, cadmium and zinc on protein changes in <i>Silene vulgaris</i> shoots cultured in vitro. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111086.	6.0	4
8	Reactive oxygen species metabolism and photosynthetic performance in leaves of <i>Hordeum vulgare</i> plants co-infested with <i>Heterodera filipjevi</i> and <i>Aceria tosichella</i> . <i>Plant Cell Reports</i> , 2020, 39, 1719-1741.	5.6	13
9	Cyst Nematode Infection Elicits Alteration in the Level of Reactive Nitrogen Species, Protein S-Nitrosylation and Nitration, and Nitrosogluthathione Reductase in <i>Arabidopsis thaliana</i> Roots. <i>Antioxidants</i> , 2020, 9, 795.	5.1	9
10	Efficient antioxidant defence systems of spring barley in response to stress induced jointly by the cyst nematode parasitism and cadmium exposure. <i>Plant and Soil</i> , 2020, 456, 189-206.	3.7	7
11	Structural Adaptation and Physiological Mechanisms in the Leaves of <i>Anthyllis vulneraria</i> L. from Metallicolous and Non-Metallicolous Populations. <i>Plants</i> , 2020, 9, 662.	3.5	10
12	Can Ceylon Leadwort ( <i>Plumbago zeylanica</i> L.) Acclimate to Lead Toxicity?â€”Studies of Photosynthetic Apparatus Efficiency. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1866.	4.1	18
13	Ecotype-Specific Pathways of Reactive Oxygen Species Deactivation in Facultative Metallophyte <i>Silene vulgaris</i> (Moench) Garcke Treated with Heavy Metals. <i>Antioxidants</i> , 2020, 9, 102.	5.1	14
14	<i>Heterodera schachtii</i> infection affects nitrogen metabolism in <i>Arabidopsis thaliana</i> . <i>Plant Pathology</i> , 2020, 69, 794-803.	2.4	9
15	Evaluation of heavy metal-induced responses in <i>Silene vulgaris</i> ecotypes. <i>Protoplasma</i> , 2019, 256, 1279-1297.	2.1	20
16	Dual Role of Metallic Trace Elements in Stress Biologyâ€”From Negative to Beneficial Impact on Plants. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3117.	4.1	74
17	In vitro acclimation to prolonged metallic stress is associated with modulation of antioxidant responses in a woody shrub <i>Daphne jasminea</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2019, 139, 339-357.	2.3	9
18	Structural, physiological and genetic diversification of <i>Silene vulgaris</i> ecotypes from heavy metal-contaminated areas and their synchronous in vitro cultivation. <i>Planta</i> , 2019, 249, 1761-1778.	3.2	21

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19	Long-term field study on stabilization of contaminated wastes by growing clonally reproduced <i>Silene vulgaris</i> calamine ecotype. <i>Plant and Soil</i> , 2019, 439, 431-445.	3.7	8
20	Changes in proteolytic activity and protein carbonylation in shoots of <i>Alyssum montanum</i> ecotypes under multi-metal stress. <i>Journal of Plant Physiology</i> , 2019, 232, 61-64.	3.5	18
21	Studies on lead and cadmium toxicity in <i>Dianthus carthusianorum</i> calamine ecotype cultivated <i>in vitro</i> . <i>Plant Biology</i> , 2018, 20, 474-482.	3.8	35
22	Recent strategies of increasing metal tolerance and phytoremediation potential using genetic transformation of plants. <i>Plant Biotechnology Reports</i> , 2018, 12, 1-14.	1.5	127
23	Differential Tolerance to Lead and Cadmium of Micropropagated <i>Gypsophila fastigiata</i> Ecotype. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 42.	2.4	16
24	The acclimatization strategies of kidney vetch ( <i>Anthyllis vulneraria</i> L.) to Pb toxicity. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19739-19752.	5.3	27
25	Evaluation of the protective role of exogenous growth regulators against Ni toxicity in woody shrub <i>Daphne jasminea</i> . <i>Planta</i> , 2018, 248, 1365-1381.	3.2	19
26	Heavy metal tolerance in contrasting ecotypes of <i>Alyssum montanum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 305-317.	6.0	39
27	<i>In vitro</i> multiplication of <i>Dianthus carthusianorum</i> calamine ecotype with the aim to revegetate and stabilize polluted wastes. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 128, 631-640.	2.3	16
28	From laboratory to field studies – The assessment of <i>Biscutella laevigata</i> suitability to biological reclamation of areas contaminated with lead and cadmium. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 266-273.	6.0	17
29	Phytostabilization of Zn-Pb ore flotation tailings with <i>Dianthus carthusianorum</i> and <i>Biscutella laevigata</i> after amending with mineral fertilizers or sewage sludge. <i>Journal of Environmental Management</i> , 2017, 189, 75-83.	7.8	39
30	Comparative Assessment of Response to Cadmium in Heavy Metal-Tolerant Shrubs Cultured <i>In Vitro</i> . <i>Water, Air, and Soil Pollution</i> , 2017, 228, 304.	2.4	31
31	Organic amendments enhance Pb tolerance and accumulation during micropropagation of <i>Daphne jasminea</i> . <i>Environmental Science and Pollution Research</i> , 2017, 24, 2421-2432.	5.3	14
32	Natural Organic Amendments for Improved Phytoremediation of Polluted Soils: A Review of Recent Progress. <i>Pedosphere</i> , 2016, 26, 1-12.	4.0	169
33	Evaluation of <i>Scabiosa ochroleuca</i> L. vitality after introduction on post-flotation wastes <sup>1</sup> . <i>Ochrona Srodowiska I Zasobow Naturalnych</i> , 2016, 27, 37-41.	0.3	1
34	Callus Induction and Rhizogenesis in <i>Lathyrus sativus</i> L.. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2016, 64, 123-128.	0.4	0
35	Why are heavy metal hyperaccumulating plants so amazing?. <i>Biotechnologia</i> , 2015, 4, 265-271.	0.9	35
36	Studies on <i>Gypsophila fastigiata</i> parameters verifying its suitability to reclamation of post-flotation Zn-Pb wastes. <i>Geology Geophysics &amp; Environment</i> , 2015, 41, 17.	1.0	7

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37	RESEARCH PAPER In vitro multiplication and acclimatization of <i>Biscutella laevigata</i> (Brassicaceae) to cultivation in greenhouse conditions. <i>Biotechnologia</i> , 2012, 2, 97-101.	0.9	3
38	Physiological responses of <i>Betula pendula</i> Roth growing in polluted areas. <i>Ecological Questions</i> , 0, 22, 39.	0.3	5