Dariusz Wiacek

List of Publications by Citations

36 papers	403 citations	12 h-index	18 g-index
39 ext. papers	583 ext. citations	4.2 avg, IF	3.92 L-index

#	Paper	IF	Citations
36	Application of electronic nose with MOS sensors to prediction of rapeseed quality. *Measurement: Journal of the International Measurement Confederation*, **2017**, 103, 227-234	4.6	53
35	Hermetia illucens as a new and promising species for use in entomoremediation. *Science of the Total Environment*, **2018**, 633, 912-919	10.2	35
34	Transgenerational effects of temporal drought stress on spring barley morphology and functioning. *Environmental and Experimental Botany*, **2016**, 131, 120-127	5.9	28
33	Electronic nose with polymer-composite sensors for monitoring fungal deterioration of stored rapeseed. *International Agrophysics*, **2017**, 31, 317-325	2	26
32	Hermetia illucens exhibits bioaccumulative potential for 15 different elements - Implications for feed and food production. *Science of the Total Environment*, **2020**, 723, 138125	10.2	22
31	Concentrations of lead and other elements in the liver of the white-tailed eagle (Haliaeetus albicilla), a European flagship species, wintering in Eastern Poland. *Ambio*, **2017**, 46, 825-841	6.5	21
30	Analysis of bone osteometry, mineralization, mechanical and histomorphometrical properties of tibiotarsus in broiler chickens demonstrates a influence of dietary chickpea seeds (Cicer arietinum L.) inclusion as a primary protein source. *PLoS ONE*, **2018**, 13, e0208921	3.7	18
29	Use of FTIR Spectroscopy and Chemometrics with Respect to Storage Conditions of Moldavian Dragonhead Oil. *Sustainability*, **2019**, 11, 6414	3.6	16
28	Fungal (1 -y3)-□d-glucans as a new kind of biosorbent for heavy metals. *International Journal of Biological Macromolecules*, **2019**, 137, 960-965	7.9	14
27	Agro-industrial by-product in photoheterotrophic and mixotrophic culture of Tetradesmus obliquus: Production of □3 and □6 essential fatty acids with biotechnological importance. *Scientific Reports*, **2020**, 10, 6411	4.9	13
26	Comparison of selected parameters of biomass and coal. *International Agrophysics*, **2016**, 30, 475-482	2	13
25	Changes in the bioelement content of summer and winter western honeybees (Apis mellifera) induced by Nosema ceranae infection. *PLoS ONE*, **2018**, 13, e0200410	3.7	13
24	Bone Homeostasis in Experimental Fumonisins Intoxication of Rats. *Annals of Animal Science*, **2019**, 19, 403-419	2	12
23	Electromagnetic field pretreatment of Sinapis alba seeds improved cadmium phytoextraction. *International Journal of Phytoremediation*, **2018**, 20, 338-342	3.9	10
22	Electroabsorption spectra of carotenoid isomers: Conformational modulation of polarizability vs. induced dipole moments. *Chemical Physics*, **2006**, 326, 465-470	2.3	10
21	Effect of FeO nanoparticles on germination of seeds and concentration of elements in Helianthus annuus L. under constant magnetic field. *Scientific Reports*, **2020**, 10, 8068	4.9	8
20	The Possibility of Meeting Greenhouse Energy and CO2 Demands Through Utilisation of Cucumber and Tomato Residues. *Bioenergy Research*, **2016**, 9, 624-632	3.1	8

19	Liquid Anaerobic Digestate as a Source of Nutrients for Lipid and Fatty Acid Accumulation by Auxenochlorella Protothecoides. *Molecules*, **2019**, 24,	4.8	8
18	FT-Raman and FT-IR studies of the gluten structure as a result of model dough supplementation with chosen oil pomaces. *Journal of Cereal Science*, **2020**, 93, 102961	3.8	8
17	Drought in acid soil increases aluminum toxicity especially of the Al-sensitive wheat. *Environmental and Experimental Botany*, **2019**, 165, 185-195	5.9	7
16	Intra-clutch and inter-colony variability in element concentrations in eggshells of the black-headed gull, Chroicocephalus ridibundus, in northern Poland. *Environmental Science and Pollution Research*, **2017**, 24, 10341-10353	5.1	7
15	Factors affecting trace element accumulation in livers of avian species from East Poland. *Turkish Journal of Zoology*, **2017**, 41, 901-913	0.7	7
14	Capacity of honeybees to remove heavy metals from nectar and excrete the contaminants from their bodies. *Apidologie*, **2021**, 52, 1098	2.3	7
13	Maternal HMB treatment affects bone and hyaline cartilage development in their weaned piglets via the leptin/osteoprotegerin system. *Journal of Animal Physiology and Animal Nutrition*, **2019**, 103, 626-643	2.6	5
12	The effect of cadmium exposition on the structure and mechanical properties of rat incisors. *PLoS ONE*, **2019**, 14, e0215370	3.7	5
11	Essential differences in the mineral status of free-ranging European bison Bison bonasus populations in Poland: The effect of the anthroposphere and lithosphere. *Science of the Total Environment*, **2021**, 757, 143926	10.2	5
10	Trace element concentrations in livers of Common Buzzards Buteo buteo from eastern Poland. *Environmental Monitoring and Assessment*, **2017**, 189, 421	3.1	4
9	Trace elements in eggshells of the Grey Heron (Ardea cinerea) from the colony in the Roztocze Hills (South East Poland). *Zoology and Ecology*, **2013**, 23, 240-244	0.2	4
8	Contribution of Major Groups of Food Products to the Daily Intake of Selected Elements-Results from Analytical Determinations Supported by Chemometric Analysis. *Nutrients*, **2020**, 12,	6.7	3
7	Mallards Anas platyrhynchos shot in Eastern Poland: ecological risk evaluated by analysis of trace elements in liver. *Human and Ecological Risk Assessment (HERA)*, **2019**, 25, 2116-2132	4.9	3
6	Dietary Intake of Toxic Heavy Metals with Major Groups of Food Products-Results of Analytical Determinations.. *Nutrients*, **2022**, 14,	6.7	3
5	Inter-species and inter-colony differences in elemental concentrations in eggshells of sympatrically nesting great cormorants Phalacrocorax carbo and grey herons Ardea cinerea. *Environmental Science and Pollution Research*, **2019**, 26, 2747-2760	5.1	2
4	Factors Affecting Element Concentrations in Eggshells of Three Sympatrically Nesting Waterbirds in Northern Poland. *Archives of Environmental Contamination and Toxicology*, **2018**, 74, 318-329	3.2	2
3	Inter-colony differences in hepatic element concentrations of European flagship farmland bird, the Rook Corvus frugilegus , breeding in rural habitats in East Poland. *Agriculture, Ecosystems and Environment*, **2017**, 250, 123-132	5.7	1
2	The content of selected nutrients and minerals in some cultivars of Cucurbita maxima. *British Food Journal*, **2018**, 120, 2261-2269	2.8	1

1	The preliminary studies on protein profile in retained and not retained foetal membranes in heavy draft mares. *Reproduction in Domestic Animals*, **2019**, 54, 1543-1551	1.6