

Tarek Galal

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,349
citations

393982

19
h-index

414034

32
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77
all docs

77
docs citations

77
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioaccumulation and translocation of heavy metals by <i>Plantago major</i> L. grown in contaminated soils under the effect of traffic pollution. <i>Ecological Indicators</i> , 2015, 48, 244-251.	2.6	178
2	Bioaccumulation and rhizofiltration potential of <i>Pistia stratiotes</i> L. for mitigating water pollution in the Egyptian wetlands. <i>International Journal of Phytoremediation</i> , 2018, 20, 440-447.	1.7	76
3	Floristic composition and vegetation analysis in Hail region north of central Saudi Arabia. <i>Saudi Journal of Biological Sciences</i> , 2010, 17, 119-128.	1.8	62
4	Phytoremediation of heavy metals by four aquatic macrophytes and their potential use as contamination indicators: a comparative assessment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12138-12151.	2.7	61
5	The biology of <i>Calotropis procera</i> (Aiton) W.T.. <i>Trees - Structure and Function</i> , 2015, 29, 311-320.	0.9	56
6	Phytostabilization of heavy metals by the emergent macrophyte <i>Vossia cuspidata</i> (Roxb.) Griff.: A phytoremediation approach. <i>International Journal of Phytoremediation</i> , 2017, 19, 992-999.	1.7	51
7	Health risk assessment and growth characteristics of wheat and maize crops irrigated with contaminated wastewater. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 535.	1.3	47
8	The invasive macrophyte <i>Pistia stratiotes</i> L. as a bioindicator for water pollution in Lake Mariut, Egypt. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 701.	1.3	39
9	Health hazards and heavy metals accumulation by summer squash (<i>Cucurbita pepo</i> L.) cultivated in contaminated soils. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 434.	1.3	31
10	Growth and nutrients accumulation potentials of giant reed (<i>Arundo donax</i> L.) in different habitats in Egypt. <i>International Journal of Phytoremediation</i> , 2016, 18, 1221-1230.	1.7	30
11	Regression models for monitoring trace metal accumulations by <i>Faba sativa</i> Bernh. plants grown in soils amended with different rates of sewage sludge. <i>Scientific Reports</i> , 2019, 9, 5443.	1.6	30
12	Metal uptake capability of <i>Cyperus articulatus</i> L. and its role in mitigating heavy metals from contaminated wetlands. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21636-21648.	2.7	29
13	Sewage Sludge Application Enhances the Growth of <i>Corchorus olitorius</i> Plants and Provides a Sustainable Practice for Nutrient Recirculation in Agricultural Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 149-159.	1.7	28
14	Impact of nutrients and heavy metals capture by weeds on the growth and production of rice (<i>Oryza</i>)	2.8	27
15	Heavy metals uptake by the global economic crop (<i>Pisum sativum</i> L.) grown in contaminated soils and its associated health risks. <i>PLoS ONE</i> , 2021, 16, e0252229.	1.1	26
16	Evaluation of the invasive macrophyte <i>Myriophyllum spicatum</i> L. as a bioaccumulator for heavy metals in some watercourses of Egypt. <i>Ecological Indicators</i> , 2014, 41, 209-214.	2.6	25
17	Trace metal accumulation by <i>Ranunculus sceleratus</i> : implications for phytostabilization. <i>Environmental Science and Pollution Research</i> , 2018, 25, 4214-4222.	2.7	23
18	Common reed (<i>Phragmites australis</i> (Cav.) Trin. ex Steudel) as a candidate for predicting heavy metal contamination in Lake Burullus, Egypt: A biomonitoring approach. <i>Ecological Engineering</i> , 2020, 148, 105787.	1.6	22

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19	Biomonitoring potential of the native aquatic plant <i>Typha domingensis</i> by predicting trace metals accumulation in the Egyptian Lake Burullus. <i>Science of the Total Environment</i> , 2020, 714, 136603.	3.9	22
20	Trace metal concentration in planted cucumber (<i>Cucumis sativus</i> L.) from contaminated soils and its associated health risks. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2020, 15, 205-217.	0.5	21
21	Prediction models for evaluating the heavy metal uptake by spinach (<i>Spinacia oleracea</i> L.) from soil amended with sewage sludge. <i>International Journal of Phytoremediation</i> , 2018, 20, 1418-1426.	1.7	20
22	A sustainable food security approach: Controlled land application of sewage sludge recirculates nutrients to agricultural soils and enhances crop productivity. <i>Food and Energy Security</i> , 2020, 9, e197.	2.0	20
23	Biomass, nutrients and nutritive value of <i>Persicaria salicifolia</i> Willd. in the water courses of Nile Delta, Egypt. <i>Rendiconti Lincei</i> , 2014, 25, 167-179.	1.0	18
24	Prediction models for evaluating heavy metal uptake by <i>Pisum sativum</i> L. in soil amended with sewage sludge. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 151-160.	0.9	18
25	Heavy Metal Bioaccumulation, Growth Characteristics, and Yield of <i>Pisum sativum</i> L. Grown in Agricultural Soil-Sewage Sludge Mixtures. <i>Plants</i> , 2020, 9, 1300.	1.6	17
26	Human health risks from consuming cabbage (<i>Brassica oleracea</i> L. var. <i>capitata</i>) grown on wastewater irrigated soil. <i>International Journal of Phytoremediation</i> , 2018, 20, 1007-1016.	1.7	16
27	Evaluation of the Phytochemical and Pharmacological Potential of Taifâ€™s Rose (<i>Rosa damascena</i> Mill) Tj ETQq1 1 0.784314 rgBT /O 1.1 16	1.1	16
28	Phytostabilization as a phytoremediation strategy for mitigating water pollutants by the floating macrophyte <i>Ludwigia stolonifera</i> (Guill. & Perr.) P.H. Raven. <i>International Journal of Phytoremediation</i> , 2020, 22, 373-382.	1.7	15
29	Size structure and dynamics of some woody perennials along elevation gradient in Wadi Gimal, Red Sea coast of Egypt. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2011, 206, 638-645.	0.6	13
30	Population dynamics of <i>Pistia stratiotes</i> L. <i>Rendiconti Lincei</i> , 2019, 30, 367-378.	1.0	13
31	Phenology, biomass and nutrients of <i>Imperata cylindrica</i> and <i>Desmostachya bipinnata</i> along the water courses in Nile Delta, Egypt. <i>Rendiconti Lincei</i> , 2016, 27, 215-228.	1.0	12
32	Prediction models for monitoring heavy-metal accumulation by wheat (<i>Triticum aestivum</i> L.) plants grown in sewage sludge amended soil. <i>International Journal of Phytoremediation</i> , 2020, 22, 1000-1008.	1.7	12
33	Uptake Prediction of Ten Heavy Metals by <i>Eruca sativa</i> Mill. Cultivated in Soils Amended with Sewage Sludge. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 134-143.	1.3	11
34	Heavy metals concentration, and antioxidant activity of the essential oil of the wild mint (<i>Mentha</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1-11.	1.7	11
35	Seasonal potential of <i>Phragmites australis</i> in nutrient removal to eliminate the eutrophication in Lake Burullus, Egypt. <i>Journal of Freshwater Ecology</i> , 2020, 35, 135-155.	0.5	11
36	Prediction models based on soil properties for evaluating the heavy metal uptake into <i>Hordeum vulgare</i> L. grown in agricultural soils amended with different rates of sewage sludge. <i>International Journal of Environmental Health Research</i> , 2022, 32, 106-120.	1.3	11

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37	Evaluation of the Nutrient Status of Some Hydrophytes in the Water Courses of Nile Delta, Egypt. Journal of Botany, 2009, 2009, 1-11.	1.2	10
38	Plant diversity and community structure of <i>Wadi Gimal</i> protected area, <i>Rashed Sca</i> Coast of <i>Egypt</i> . African Journal of Ecology, 2012, 50, 266-276.	0.4	10
39	Morphological variations, biomass and ion accumulation of the aboveground shoots of <i>Desmostachya bipinnata</i> (L.) Stapf. Flora: Morphology, Distribution, Functional Ecology of Plants, 2013, 208, 556-561.	0.6	10
40	Effect of urban habitat heterogeneity on functional traits plasticity of the invasive species <i>Calotropis procera</i> (Aiton) W.T. Aiton. Rendiconti Lincei, 2015, 26, 193-201.	1.0	10
41	Heavy metals uptake and its impact on the growth dynamics of the riparian shrub <i>Ricinus communis</i> L. along Egyptian heterogenic habitats. Environmental Science and Pollution Research, 2021, 28, 37158-37171.	2.7	10
42	Vegetation zonation along the desert-wetland ecosystem of Taif Highland, Saudi Arabia. Saudi Journal of Biological Sciences, 2021, 28, 3374-3383.	1.8	10
43	Nutrients and heavy metals accumulation by the giant milkweed <i>Calotropis procera</i> (Aiton) W.T. Aiton in urbanized areas, Egypt. Rendiconti Lincei, 2016, 27, 241-250.	1.0	9
44	Modeling the growth dynamics of <i>Pistia stratiotes</i> L. populations along the water courses of south Nile Delta, Egypt. Rendiconti Lincei, 2016, 27, 375-382.	1.0	9
45	Phenology, biomass and reproductive characteristics of <i>Calotropis procera</i> (Aiton) W.T. Aiton in South Cairo, Egypt. Rendiconti Lincei, 2016, 27, 197-204.	1.0	9
46	The role of <i>Cyperus alopecuroides</i> Rottb. sedge in monitoring water pollution in contaminated wetlands in Egypt: a phytoremediation approach. Environmental Science and Pollution Research, 2021, 28, 23005-23016.	2.7	9
47	Comparison of photosynthetic activity and heat tolerance between near isogenic lines of wheat with different photosynthetic rates. PLoS ONE, 2021, 16, e0255896.	1.1	9
48	Coastal Lakes as Hot Spots for Plant Diversity in Egypt. Handbook of Environmental Chemistry, 2017, , 129-146.	0.2	7
49	Chemical Characterization of Taif Rose (<i>Rosa damascena</i> Mill var. <i>trigentipetala</i>) Waste Methanolic Extract and Its Hepatoprotective and Antioxidant Effects against Cadmium Chloride (CdCl ₂)-Induced Hepatotoxicity and Potential Anticancer Activities against Liver Cancer Cells (HepG2). Crystals, 2022, 12, 460.	1.0	7
50	Factors affecting the distribution and associated species of <i>Melva parviflora</i> in the <i>Nile Delta</i> , <i>Egypt</i> . Weed Biology and Management, 2015, 15, 42-52.	0.6	6
51	Hazards assessment of the intake of trace metals by common mallow (<i>Malva parviflora</i> K.) growing in polluted soils. International Journal of Phytoremediation, 2019, 21, 1397-1406.	1.7	6
52	Temporal Potential of <i>Phragmites australis</i> as a Phytoremediator to Remove Ni and Pb from Water and Sediment in Lake Burullus, Egypt. Bulletin of Environmental Contamination and Toxicology, 2021, 106, 516-527.	1.3	6
53	Accumulation and translocation of eight trace metals by the different tissues of <i>Abelmoschus esculentus</i> Moench. irrigated with untreated wastewater. Environmental Science and Pollution Research, 2022, 29, 21221-21231.	2.7	6
54	Seasonal Variation in the Secondary Metabolites and Antimicrobial Activity of <i>Plantago major</i> L. from Egyptian Heterogenic Habitats. Egyptian Journal of Botany, 2022, 62, 255-273.	0.1	6

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55	Uptake prediction of ten heavy metals by <i>Corchorus olitorius</i> L. cultivated in soil mixed with sewage sludge. <i>Food and Energy Security</i> , 2020, 9, e203.	2.0	5
56	Evaluation of the nutrient status and forage quality of the hippo grass (<i>Vossia cuspidata</i>) Tj ETQq0 0 0 rgBT JOverlock_10 Tf 50 70	0.5	5
57	Nutrient sequestration potential of water primrose <i>Ludwigia stolinefera</i> (Guill. & Perr.) P.H. Raven: A strategy for restoring wetland eutrophication. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 2438-2446.	1.8	5
58	Biosynthesis of silver nanoparticles by <i>Nocardiopsis</i> sp. MW279108 and its antimicrobial activity. <i>Journal of Basic Microbiology</i> , 2021, 61, 993-1001.	1.8	5
59	EVALUATING THE UPTAKE OF TEN HEAVY METALS BY KIDNEY BEAN (<i>PHASEOLUS VULGARIS</i> L.) GROWN IN A SOIL-SLUDGE MIXTURE USING A REGRESSION MODEL. <i>Applied Ecology and Environmental Research</i> , 2020, 18, 7021-7039.	0.2	5
60	Impact of waste water discharge on the plant communities and size structure of Wadi Elâ€Shees, Alâ€Jabal Alâ€Akhdar, Libya. <i>Feddes Repertorium</i> , 2014, 125, 1-13.	0.2	4
61	Polymorphism in <i>Calotropis procera</i> : variation of metabolites in populations from different phytogeographical regions of Egypt. <i>Rendiconti Lincei</i> , 2014, 25, 461-469.	1.0	4
62	INFLUENCES OF SEWAGE SLUDGE-AMENDED SOIL ON HEAVY METAL ACCUMULATION, GROWTH AND YIELD OF ROCKET PLANT (<i>ERUCA SATIVA</i>). <i>Applied Ecology and Environmental Research</i> , 2020, 18, 3027-3040.	0.2	4
63	Habitat and vegetation of Lake Edku, Egypt. <i>Taeckholmia</i> , 2005, 25, 61-90.	0.3	4
64	Vegetationâ€environment relationship and floristic diversity of Wadi Al-Sharaea, Makkah Province, Saudi Arabia. <i>Rendiconti Lincei</i> , 2022, 33, 169-184.	1.0	4
65	Nutrient Remediation Efficiency of the Sedge Plant (<i>Cyperus alopecuroides</i> Rottb.) to Restore Eutrophic Freshwater Ecosystems. <i>Sustainability</i> , 2022, 14, 2823.	1.6	4
66	Planned Application of Sewage Sludge Recirculates Nutrients to Agricultural Soil and Improves Growth of Okra (<i>Abelmoschus esculentus</i> (L.) Moench) Plants. <i>Sustainability</i> , 2022, 14, 740.	1.6	3
67	Safety assessment and sustainability of consuming eggplant (<i>Solanum melongena</i> L.) grown in wastewater-contaminated agricultural soils. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
68	Demography and size structure of the giant milkweed shrub <i>Calotropis procera</i> (Aiton) W.T. Aiton. <i>Rendiconti Lincei</i> , 2016, 27, 341-349.	1.0	2
69	Evaluation of newly reclaimed areas in Saudi Arabia for cultivation of the leguminous crop <i>Phaseolus vulgaris</i> under sewage sludge amendment. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2021, 16, 153-169.	0.5	2
70	Uptake Prediction of Eight Potentially Toxic Elements by <i>Pistia stratiotes</i> L. Grown in the Al-Sero Drain (South Nile Delta, Egypt): A Biomonitoring Approach. <i>Sustainability</i> , 2021, 13, 5276.	1.6	2
71	Using Remote-sensing Technique to Assess the Role of Common Reed [<i>Phragmites australis</i> (CAV.) Trin. Ex. Steud] in Restoring Eutrophication in Idku Wetland in Egypt. <i>Egyptian Journal of Botany</i> , 2022, 62, 575-593.	0.1	2
72	Seasonal potential of <i>Pistia stratiotes</i> in nutrient removal to eliminate eutrophication in Al-Sero Drain (South Nile Delta, Egypt). <i>Journal of Freshwater Ecology</i> , 2021, 36, 173-187.	0.5	1

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73	Phytosociology of rainfed barely along the western Mediterranean Coast, Egypt. <i>Taekholmia</i> , 2019, 39, 18-33.	0.3	1
74	EFFECTS OF SEWAGE SLUDGE APPLICATIONS TO AGRICULTURAL SOIL ON THE BIOCHEMICAL PARAMETERS OF FAB BEAN (<i>FABA SATIVA</i> BERNH.), WHEAT (<i>TRITICUM AESTIVUM</i> L.), SPINACH (<i>SPINACIA OLERACEA</i> L.) AND CUCUMBER (<i>CUCUMIS SATIVUS</i> L.) CROPS. <i>Applied Ecology and Environmental Research</i> , 2020, 18, 6457-6467.	0.2	1
75	Effect of Pollution Type on the Phytoplankton Community Structure in Lake Mariut, Egypt. <i>Egyptian Journal of Botany</i> , 2018, .	0.1	0