Ebrahem M Eid

List of Publications by Year
in descending order

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111 papers	2,345 citations	218381 26 h-index	288905 40 g-index
113 all docs	113 docs citations	113 times ranked	1912 citing authors

#	Article	IF	Citations
1	A global map of mangrove forest soil carbon at 30â€‰m spatial resolution. Environmental Research Letters, 2018, 13, 055002.	2.2	231
2	Seasonal courses of nutrients and heavy metals in water, sediment and above- and below-ground Typha domingensis biomass in Lake Burullus (Egypt): Perspectives for phytoremediation. Flora: Morphology, Distribution, Functional Ecology of Plants, 2012, 207, 783-794.	0.6	81
3	Bioaccumulation and translocation of heavy metals by nine native plant species grown at a sewage sludge dump site. International Journal of Phytoremediation, 2016, 18, 1075-1085.	1.7	79
4	Bioaccumulation and rhizofiltration potential of Pistia stratiotes L. for mitigating water pollution in the Egyptian wetlands. International Journal of Phytoremediation, 2018, 20, 440-447.	1.7	76
5	The effects of different sewage sludge amendment rates on the heavy metal bioaccumulation, growth and biomass of cucumbers (Cucumis sativus L.). Environmental Science and Pollution Research, 2017, 24, 16371-16382.	2.7	66
6	Monthly variations of trace elements accumulation and distribution in above- and below-ground biomass of Phragmites australis (Cav.) Trin. ex Steudel in Lake Burullus (Egypt): A biomonitoring application. Ecological Engineering, 2014, 73, 17-25.	1.6	64
7	Phytoremediation of heavy metals by four aquatic macrophytes and their potential use as contamination indicators: a comparative assessment. Environmental Science and Pollution Research, 2020, 27, 12138-12151.	2.7	61
8	Integration of Water Quality Indices and Multivariate Modeling for Assessing Surface Water Quality in Qaroun Lake, Egypt. Water (Switzerland), 2021, 13, 2258.	1.2	55
9	Evaluation of the potential of sewage sludge as a valuable fertilizer for wheat (Triticum aestivum L.) crops. Environmental Science and Pollution Research, 2019, 26, 392-401.	2.7	51
10	Effects of different sewage sludge applications on heavy metal accumulation, growth and yield of spinach (Spinacia oleracea L.). International Journal of Phytoremediation, 2017, 19, 340-347.	1.7	49
11	Application of Irrigation Water Quality Indices and Multivariate Statistical Techniques for Surface Water Quality Assessments in the Northern Nile Delta, Egypt. Water (Switzerland), 2020, 12, 3300.	1.2	44
12	Bioaccumulation and translocation of nine heavy metals by Eichhornia crassipes in Nile Delta, Egypt: perspectives for phytoremediation. International Journal of Phytoremediation, 2019, 21, 821-830.	1.7	41
13	Effects of abiotic conditions on Phragmites australis along geographic gradients in Lake Burullus, Egypt. Aquatic Botany, 2010, 92, 86-92.	0.8	40
14	Modeling Growth, Carbon Allocation and Nutrient Budgets of Phragmites australis in Lake Burullus, Egypt. Wetlands, 2010, 30, 240-251.	0.7	38
15	The evaluation of sewage sludge application as a fertilizer for broad bean (Faba sativa Bernh.) crops. Food and Energy Security, 2018, 7, e00142.	2.0	37
16	Distribution of soil organic carbon in the mangrove Avicennia marina (Forssk.) Vierh. along the Egyptian Red Sea Coast. Regional Studies in Marine Science, 2016, 3, 76-82.	0.4	36
17	Insights into hazardous solid waste generation during COVID-19 pandemic and sustainable management approaches for developing countries. Journal of Material Cycles and Waste Management, 2021, 23, 2077-2086.	1.6	36
18	Remote sensing of 10Âyears changes in the vegetation cover of the northwestern coastal land of Red Sea, Saudi Arabia. Saudi Journal of Biological Sciences, 2020, 27, 3169-3179.	1.8	35

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19	Modeling growth dynamics of Typha domingensis (Pers.) Poir. ex Steud. in Lake Burullus, Egypt. Ecological Modelling, 2012, 243, 63-72.	1.2	34
20	Evaluation of the carbon sequestration capacity of arid mangroves along nutrient availability and salinity gradients along the Red Sea coastline of Saudi Arabia. Oceanologia, 2020, 62, 56-69.	1.1	34
21	Effect of the conversion of mangroves into shrimp farms on carbon stock in the sediment along the southern Red Sea coast, Saudi Arabia. Environmental Research, 2019, 176, 108536.	3.7	33
22	Prediction models for evaluating the uptake of heavy metals by cucumbers (Cucumis sativus L.) grown in agricultural soils amended with sewage sludge. Environmental Monitoring and Assessment, 2018, 190, 501.	1.3	32
23	Regression models for monitoring trace metal accumulations by Faba sativa Bernh. plants grown in soils amended with different rates of sewage sludge. Scientific Reports, 2019, 9, 5443.	1.6	30
24	Combining Water Quality Indices and Multivariate Modeling to Assess Surface Water Quality in the Northern Nile Delta, Egypt. Water (Switzerland), 2020, 12, 2142.	1.2	29
25	Evaluation of carbon sequestration potentiality of Lake Burullus, Egypt to mitigate climate change. Egyptian Journal of Aquatic Research, 2013, 39, 31-38.	1.0	28
26	Sewage Sludge Application Enhances the Growth of Corchorus olitorius Plants and Provides a Sustainable Practice for Nutrient Recirculation in Agricultural Soils. Journal of Soil Science and Plant Nutrition, 2020, 20, 149-159.	1.7	28
27	Biotransforming the Spent Substrate of Shiitake Mushroom (Lentinula edodes Berk.): A Synergistic Approach to Biogas Production and Tomato (Solanum lycopersicum L.) Fertilization. Horticulturae, 2022, 8, 479.	1.2	27
28	Evaluation of carbon stock in the sediment of two mangrove species, Avicennia marina and Rhizophora mucronata, growing in the Farasan Islands, Saudi Arabia. Oceanologia, 2020, 62, 200-213.	1.1	26
29	Heavy metals uptake by the global economic crop (Pisum sativum L.) grown in contaminated soils and its associated health risks. PLoS ONE, 2021, 16, e0252229.	1.1	26
30	Decomposition dynamics of Phragmites australis litter in Lake Burullus, Egypt. Plant Species Biology, 2014, 29, 47-56.	0.6	25
31	Using Optimized Two and Three-Band Spectral Indices and Multivariate Models to Assess Some Water Quality Indicators of Qaroun Lake in Egypt. Sustainability, 2021, 13, 10408.	1.6	24
32	Sustainable Use of Sewage Sludge as a Casing Material for Button Mushroom (Agaricus bisporus) Cultivation: Experimental and Prediction Modeling Studies for Uptake of Metal Elements. Journal of Fungi (Basel, Switzerland), 2022, 8, 112.	1.5	24
33	Spatial Assessment of Potentially Toxic Elements (PTE) Concentration in Agaricus bisporus Mushroom Collected from Local Vegetable Markets of Uttarakhand State, India. Journal of Fungi (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	24	
34	Distribution of soil organic carbon in the mangrove forests along the southern Saudi Arabian Red Sea coast. Rendiconti Lincei, 2016, 27, 629-637.	1.0	23
35	Kinetic Studies on Delignification and Heavy Metals Uptake by Shiitake (Lentinula edodes) Mushroom Cultivated on Agro-Industrial Wastes. Horticulturae, 2022, 8, 316.	1.2	23
36	Common reed (Phragmites australis (Cav.) Trin. ex Steudel) as a candidate for predicting heavy metal contamination in Lake Burullus, Egypt: A biomonitoring approach. Ecological Engineering, 2020, 148, 105787.	1.6	22

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37	Biomonitoring potential of the native aquatic plant Typha domingensis by predicting trace metals accumulation in the Egyptian Lake Burullus. Science of the Total Environment, 2020, 714, 136603.	3.9	22
38	Prediction models for evaluating the heavy metal uptake by spinach (Spinacia oleracea L.) from soil amended with sewage sludge. International Journal of Phytoremediation, 2018, 20, 1418-1426.	1.7	20
39	A sustainable food security approach: Controlled land application of sewage sludge recirculates nutrients to agricultural soils and enhances crop productivity. Food and Energy Security, 2020, 9, e197.	2.0	20
40	Prediction models based on soil properties for evaluating the uptake of eight heavy metals by tomato plant (Lycopersicon esculentum Mill.) grown in agricultural soils amended with sewage sludge. Journal of Environmental Chemical Engineering, 2021, 9, 105977.	3.3	20
41	Population characteristics of giant reed (Arundo donax L.) in cultivated and naturalized habitats. Aquatic Botany, 2016, 129, 1-8.	0.8	19
42	Evaluation of carbon sequestration in the sediment of polluted and non-polluted locations of mangroves. Fundamental and Applied Limnology, 2018, 192, 53-64.	0.4	19
43	A GIS-Based Approach for the Quantitative Assessment of Soil Quality and Sustainable Agriculture. Sustainability, 2021, 13, 13438.	1.6	19
44	Prediction models for evaluating heavy metal uptake by Pisum sativum L. in soil amended with sewage sludge. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2020, 55, 151-160.	0.9	18
45	Mangrove health along the hyper-arid southern Red Sea coast of Saudi Arabia. Environmental Monitoring and Assessment, 2020, 192, 189.	1.3	18
46	Uptake prediction of nine heavy metals by Eichhornia crassipes grown in irrigation canals: A biomonitoring approach. Science of the Total Environment, 2021, 782, 146887.	3.9	18
47	Growth behaviour of the invasive species Ipomoea carnea in the Nile Delta, Egypt. Hydrobiologia, 2010, 656, 187-197.	1.0	17
48	Growth dynamics of water hyacinth (Eichhornia crassipes): a modeling approach. Rendiconti Lincei, 2017, 28, 169-181.	1.0	17
49	Population dynamics of Eichhornia crassipes (C. Mart.) Solms in the Nile Delta, Egypt. Plant Species Biology, 2017, 32, 279-291.	0.6	17
50	Heavy Metal Bioaccumulation, Growth Characteristics, and Yield of Pisum sativum L. Grown in Agricultural Soil-Sewage Sludge Mixtures. Plants, 2020, 9, 1300.	1.6	17
51	Combined Use of Endophytic Bacteria and Pre-Sowing Treatment of Thiamine Mitigates the Adverse Effects of Drought Stress in Wheat (Triticum aestivum L.) Cultivars. Sustainability, 2021, 13, 6582.	1.6	16
52	Evaluation of the Phytochemical and Pharmacological Potential of Taifâ€™s Rose (Rosa damascena Mill) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	16
53	Ten years primary succession on a newly created landfill at a lagoon of the Mediterranean Sea (Lake) Tj ETQq1 1 0.784314 rgBT /Over 459-468.	0.6	15
54	Evaluation of the urban heat island over Abha-Khamis Mushait tourist resort due to rapid urbanisation in Asir, Saudi Arabia. Urban Climate, 2021, 36, 100772.	2.4	15

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55	Seasonal variation in the phytomass, chemical composition and nutritional value of Azolla filiculoides Lam. along the water courses in the Nile Delta, Egypt. Feddes Repertorium, 2012, 123, 37-49.	0.2	14
56	Assessment of Soil Pollution Levels in North Nile Delta, by Integrating Contamination Indices, GIS, and Multivariate Modeling. Sustainability, 2021, 13, 8027.	1.6	14
57	Carbon sequestration potential of the five Mediterranean lakes of Egypt. Fundamental and Applied Limnology, 2017, 190, 87-96.	0.4	13
58	Population dynamics of Pistia stratiotes L.. Rendiconti Lincei, 2019, 30, 367-378.	1.0	13
59	Monitored Sewage Sludge Application Improves Soil Quality, Enhances Plant Growth, and Provides Evidence for Metal Remediation by Sorghum bicolor L.. Journal of Soil Science and Plant Nutrition, 2021, 21, 2325-2338.	1.7	13
60	Loss of Coastal Wetlands in Lake Burullus, Egypt: A GIS and Remote-Sensing Study. Sustainability, 2022, 14, 4980.	1.6	13
61	Prediction models for monitoring heavy-metal accumulation by wheat (Triticum aestivum L.) plants grown in sewage sludge amended soil. International Journal of Phytoremediation, 2020, 22, 1000-1008.	1.7	12
62	Effect of Protection of Mountainous Vegetation against Over-Grazing and Over-Cutting in South Sinai, Egypt. Diversity, 2021, 13, 113.	0.7	12
63	Supplemental Effects of Biochar and Foliar Application of Ascorbic Acid on Physio-Biochemical Attributes of Barley (Hordeum vulgare L.) under Cadmium-Contaminated Soil. Sustainability, 2021, 13, 9128.	1.6	12
64	Uptake of Ag, Co and Ni by the Organs of <i>Typha domingensis</i> (Pers.) Poir. ex Steud. in Lake Burullus and Their Potential Use As Contamination Indicators. Open Journal of Modern Hydrology, 2012, 02, 21-27.	0.4	12
65	Uptake Prediction of Ten Heavy Metals by Eruca sativa Mill. Cultivated in Soils Amended with Sewage Sludge. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 134-143.	1.3	11
66	Seasonal potential of Phragmites australis in nutrient removal to eliminate the eutrophication in Lake Burullus, Egypt. Journal of Freshwater Ecology, 2020, 35, 135-155.	0.5	11
67	Prediction models based on soil properties for evaluating the heavy metal uptake into Hordeum vulgare L. grown in agricultural soils amended with different rates of sewage sludge. International Journal of Environmental Health Research, 2022, 32, 106-120.	1.3	11
68	Potential risks to endemic conifer montane forests under climate change: integrative approach for conservation prioritization in southwestern China. Landscape Ecology, 2021, 36, 3137-3151.	1.9	11
69	Effect of the different types of land-use on the distribution of soil organic carbon in north Nile Delta, Egypt. Rendiconti Lincei, 2017, 28, 481-495.	1.0	10
70	Pattern of Urban Flora in Intra-City Railway Habitats (Alexandria, Egypt): A Conservation Perspective. Biology, 2021, 10, 698.	1.3	10
71	Application of sewage sludge combined with thiourea improves the growth and yield attributes of wheat (Triticum aestivum L.) genotypes under arsenic-contaminated soil. PLoS ONE, 2021, 16, e0259289.	1.1	10
72	Effective Management of Cucumber Powdery Mildew with Essential Oils. Agriculture (Switzerland), 2021, 11, 1177.	1.4	10

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73	Regression Models to Estimate Accumulation Capability of Six Metals by Two Macrophytes, Typha domingensis and Typha elephantina, Grown in an Arid Climate in the Mountainous Region of Taif, Saudi Arabia. Sustainability, 2022, 14, 1.	1.6	10
74	Modeling the growth dynamics of Pistia stratiotes L. populations along the water courses of south Nile Delta, Egypt. Rendiconti Lincei, 2016, 27, 375-382.	1.0	9
75	Richness patterns of endemic and threatened conifers in south-west China: topographic-soil fertility explanation. Environmental Research Letters, 2021, 16, 034017.	2.2	9
76	Archeological Sites and Relict Landscapes as Refuge for Biodiversity: Case Study of Alexandria City, Egypt. Sustainability, 2022, 14, 2416.	1.6	9
77	A safe haven of SARS-CoV-2 in the environment: Prevalence and potential transmission risks in the effluent, sludge, and biosolids. Geoscience Frontiers, 2022, 13, 101373.	4.3	9
78	Sustainable Upcycling of Mushroom Farm Wastewater through Cultivation of Two Water Ferns (Azolla spp.) in Stagnant and Flowing Tank Reactors. Horticulturae, 2022, 8, 506.	1.2	9
79	Evaluation of uptake of eight metals by Sorghum bicolor grown in arable soil combined with sewage sludge based on prediction models. Environmental Monitoring and Assessment, 2021, 193, 510.	1.3	8
80	Growth dynamics ofPotamogeton pectinatusL. in Lake Burullus, Egypt: a modelling approach. African Journal of Ecology, 2014, 52, 414-426.	0.4	7
81	Modeling of water hyacinth growth and its role in heavy metals accumulation from unoperated old Ganga canal at Haridwar, India. Rendiconti Lincei, 0, , 1.	1.0	7
82	Occurrence and Health Risk Assessment of Cadmium Accumulation in Three Tricholoma Mushroom Species Collected from Wild Habitats of Central and Coastal Croatia. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377	1.8	7
83	Phytomass and nutrient value of Potamogeton crispus L. in the water courses of Nile Delta, Egypt. Rendiconti Lincei, 2016, 27, 251-259.	1.0	6
84	Distribution of soil organic carbon in Wadi Al-Thulaima, Saudi Arabia: A hyper-arid habitat altered by wastewater reuse. Catena, 2018, 170, 266-271.	2.2	6
85	Vegetation diversity along the altitudinal and environmental gradients in the main wadi beds in the mountainous region of South Sinai, Egypt. Journal of Mountain Science, 2020, 17, 2447-2458.	0.8	6
86	Temporal Potential of Phragmites australis 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
87	Integration of Radiometric Ground-Based Data and High-Resolution QuickBird Imagery with Multivariate Modeling to Estimate Maize Traits in the Nile Delta of Egypt. Sensors, 2021, 21, 3915.	2.1	6
88	Verification of a numerical growth model of Pistia stratiotes L. using field data from tropical and subtropical sites. Journal of Freshwater Ecology, 2017, 32, 391-403.	0.5	5
89	Uptake prediction of ten heavy metals by Corchorus olitorius L. cultivated in soil mixed with sewage sludge. Food and Energy Security, 2020, 9, e203.	2.0	5
90	Modeling of mineral elements uptake and localization in cabbage inflorescence (Brassica oleracea var.) Tj ETQq0 0 0 rgBT /Overlock 10 T 2021, 193, 586.	1.3	5

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91	Utilization of Pollution Indices, Hyperspectral Reflectance Indices, and Data-Driven Multivariate Modelling to Assess the Bottom Sediment Quality of Lake Qaroun, Egypt. Water (Switzerland), 2022, 14, 890.	1.2	5
92	Foliar use of TiO2-nanoparticles for okra (Abelmoschus esculentus L. Moench) cultivation on sewage sludgeâ€“amended soils: biochemical response and heavy metal accumulation. Environmental Science and Pollution Research, 2022, 29, 66507-66518.	2.7	5
93	Environmental Assessment of Potentially Toxic Elements Using Pollution Indices and Data-Driven Modeling in Surface Sediment of the Littoral Shelf of the Mediterranean Sea Coast and Gamasa Estuary, Egypt. Journal of Marine Science and Engineering, 2022, 10, 816.	1.2	5
94	Bedouin farms in the Saint Katherine mountainous area (South Sinai, Egypt). Journal of Mountain Science, 2019, 16, 2232-2242.	0.8	4
95	Structural and Chemical Adaptations of Artemisia monosperma Delile and Limbarda crithmoides (L.) Dumort. in Response to Arid Coastal Environments along the Mediterranean Coast of Egypt. Plants, 2021, 10, 481.	1.6	4
96	A comparison of the functional traits of Phragmites australis in Lake Burullus (a Ramsar site in Egypt): Young vs. old populations over the nutrient availability gradient. Ecological Engineering, 2021, 166, 106244.	1.6	4
97	Sewage sludge enhances tomato growth and improves fruit-yield quality by restoring soil fertility. Plant, Soil and Environment, 2021, 67, 514-523.	1.0	4
98	Prediction Models for Evaluating the Uptake of Heavy Metals by the Invasive Grass Vossia cuspidata (Roxb.) Griff. in the River Nile, Egypt: A Biomonitoring Approach. Sustainability, 2021, 13, 10558.	1.6	4
99	Prediction Models Founded on Soil Characteristics for the Estimated Uptake of Nine Metals by Okra Plant, Abelmoschus esculentus (L.) Moench., Cultivated in Agricultural Soils Modified with Varying Sewage Sludge Concentrations. Sustainability, 2021, 13, 12356.	1.6	4
100	Nutrient Remediation Efficiency of the Sedge Plant (Cyperus alopecuroides Rottb.) to Restore Eutrophic Freshwater Ecosystems. Sustainability, 2022, 14, 2823.	1.6	4
101	Variation in Plant Community Composition and Biomass to Macro and Micronutrients and Salinity across Egyptâ€™s Five Major Coastal Lakes. Sustainability, 2022, 14, 6180.	1.6	4
102	Environmental Risk Assessment of Petroleum Activities in Surface Sediments, Suez Gulf, Egypt. Journal of Marine Science and Engineering, 2021, 9, 473.	1.2	3
103	Combined Use of Sewage Sludge and Plant Growth-Promoting Rhizobia Improves Germination, Biochemical Response and Yield of Ridge Gourd (Luffa acutangula (L.) Roxb.) under Field Conditions. Agriculture (Switzerland), 2022, 12, 173.	1.4	3
104	Planned Application of Sewage Sludge Recirculates Nutrients to Agricultural Soil and Improves Growth of Okra (Abelmoschus esculentus (L.) Moench) Plants. Sustainability, 2022, 14, 740.	1.6	3
105	Standing Crop Biomass and Carbon Content of Mangrove Avicennia marina (Forssk.) Vierh. along the Red Sea Coast of Saudi Arabia. Sustainability, 2021, 13, 13996.	1.6	3
106	Seasonal allocation of carbohydrates between aboveâ€•and belowâ€ground organs of Typha domingensis. Feddes Repertorium, 2016, 127, 55-64.	0.2	2
107	Determination of carbohydrate allocation patterns in water hyacinth to discover the potential physiological weak points in its life cycle. Journal of Freshwater Ecology, 2018, 33, 381-394.	0.5	2
108	Evaluation of newly reclaimed areas in Saudi Arabia for cultivation of the leguminous crop Phaseolus vulgaris under sewage sludge amendment. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2021, 16, 153-169.	0.5	2

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109	Uptake Prediction of Eight Potentially Toxic Elements by Pistia stratiotes L. Grown in the Al-Sero Drain (South Nile Delta, Egypt): A Biomonitoring Approach. Sustainability, 2021, 13, 5276.	1.6	2
110	Seasonal potential of Pistia stratiotes in nutrient removal to eliminate eutrophication in Al-Sero Drain (South Nile Delta, Egypt). Journal of Freshwater Ecology, 2021, 36, 173-187.	0.5	1
111	Exploitation of Agro-Industrial Residues for the Formulation of a New Active and Cost Effective Biofungicide to Control the Root Rot of Vegetable Crops. Sustainability, 2021, 13, 9254.	1.6	1