Hassan R El-Ramady

List of Publications by Year
in descending order

130	2,553	201385	243296
papers	citations	27 h-index	44 g-index

134	134	134	2018
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Silica nanoparticles boost growth and productivity of cucumber under water deficit and salinity stresses by balancing nutrients uptake. Plant Physiology and Biochemistry, 2019, 139, 1-10.	2.8	157
2	Selenium and nano-selenium in plant nutrition. Environmental Chemistry Letters, 2016, 14, 123-147.	8.3	146
3	Drought risk assessment using remote sensing and GIS techniques. Arabian Journal of Geosciences, 2014, 7, 35-53.	0.6	143
4	Selenium and nano-selenium in agroecosystems. Environmental Chemistry Letters, 2014, 12, 495-510.	8.3	108
5	Effects of Silicon and Silicon-Based Nanoparticles on Rhizosphere Microbiome, Plant Stress and Growth. Biology, 2021, 10, 791.	1.3	92
6	Engineered silica nanoparticles alleviate the detrimental effects of Na+ stress on germination and growth of common bean (Phaseolus vulgaris). Environmental Science and Pollution Research, 2017, 24, 21917-21928.	2.7	89
7	Nano-selenium, silicon and H2O2 boost growth and productivity of cucumber under combined salinity and heat stress. Ecotoxicology and Environmental Safety, 2021, 212, 111962.	2.9	87
8	Selenium in soils under climate change, implication for human health. Environmental Chemistry Letters, 2015, 13, 1-19.	8.3	77
9	Exogenous nanosilica improves germination and growth of cucumber by maintaining K+/Na+ ratio under elevated Na+ stress. Plant Physiology and Biochemistry, 2018, 125, 164-171.	2.8	77
10	Phytoremediation of bauxite-derived red mud by giant reed. Environmental Chemistry Letters, 2013, 11, 295-302.	8.3	60
11	Plant Nutrition under Climate Change and Soil Carbon Sequestration. Sustainability, 2022, 14, 914.	1.6	55
12	Overview of Selenium Deficiency and Toxicity Worldwide: Affected Areas, Selenium-Related Health Issues, and Case Studies. Plant Ecophysiology, 2017, , 209-230.	1.5	54
13	Nanoparticles, Soils, Plants and Sustainable Agriculture. Sustainable Agriculture Reviews, 2016, , 283-312.	0.6	50
14	Selenium and Nano-Selenium Biofortification for Human Health: Opportunities and Challenges. Soil Systems, 2020, 4, 57.	1.0	50
15	Selenium fortification induces growth, antioxidant activity, yield and nutritional quality of lettuce in salt-affected soil using foliar and soil applications. Plant and Soil, 2017, 421, 245-258.	1.8	47
16	Uptake of nicotine from discarded cigarette butts â€“ A so far unconsidered path of contamination of plant-derived commodities. Environmental Pollution, 2018, 238, 972-976.	3.7	47
17	Sustainable Agriculture and Climate Changes in Egypt. Sustainable Agriculture Reviews, 2013, , 41-95.	0.6	43
18	Effects of selenate and red Se-nanoparticles on the photosynthetic apparatus of Nicotiana tabacum. Photosynthesis Research, 2019, 139, 449-460.	1.6	38

#	Article	IF	Citations
19	Nanofertilizers vs. Biofertilizers: New Insights. Environment Biodiversity and Soil Security, 2018, 2, 40-50.	0.1	38
20	Edible Mushrooms for Sustainable and Healthy Human Food: Nutritional and Medicinal Attributes. Sustainability, 2022, 14, 4941.	1.6	34
21	Temperate Fruit Trees under Climate Change: Challenges for Dormancy and Chilling Requirements in Warm Winter Regions. Horticulturae, 2021, 7, 86.	1.2	33
22	Soil Quality and Plant Nutrition. Sustainable Agriculture Reviews, 2014, , 345-447.	0.6	32
23	Mobility, distribution, and potential risk assessment of selected trace elements in soils of the Nile Delta, Egypt. Environmental Monitoring and Assessment, 2019, 191, 713.	1.3	31
24	Can Nanofertilizers Mitigate Multiple Environmental Stresses for Higher Crop Productivity?. Sustainability, 2022, 14, 3480.	1.6	31
25	Selenium in Agriculture: Water, Air, Soil, Plants, Food, Animals and Nanoselenium. Environmental Chemistry for A Sustainable World, 2015, , 153-232.	0.3	30
26	Nanoparticles in Water, Soils and Agriculture. Sustainable Agriculture Reviews, 2016, , 311-358.	0.6	30
27	Phytoaccumulation potentials of two biotechnologically propagated ecotypes of Arundo donax in copper-contaminated synthetic wastewater. Environmental Science and Pollution Research, 2014, 21, 7773-7780.	2.7	29
28	Giant reed for selenium phytoremediation under changing climate. Environmental Chemistry Letters, 2015, 13, 359-380.	8.3	29
29	Selenium and its Role in Higher Plants. Environmental Chemistry for A Sustainable World, 2015, , 235-296.	0.3	29
30	Plant Nano-nutrition: Perspectives and Challenges. Environmental Chemistry for A Sustainable World, 2018, , 129-161.	0.3	28
31	Nano-biofortification of different crops to immune against COVID-19: A review. Ecotoxicology and Environmental Safety, 2021, 222, 112500.	2.9	26
32	Sustainable Production of Tomato Plants (Solanum lycopersicum L.) under Low-Quality Irrigation Water as Affected by Bio-Nanofertilizers of Selenium and Copper. Sustainability, 2022, 14, 3236.	1.6	26
33	Green Biotechnology of Oyster Mushroom (Pleurotus ostreatus L.): A Sustainable Strategy for Myco-Remediation and Bio-Fermentation. Sustainability, 2022, 14, 3667.	1.6	25
34	Sustainable Applications of Nanofibers in Agriculture and Water Treatment: A Review. Sustainability, 2022, 14, 464.	1.6	24
35	Seasonal and Spatial Distribution of Soil Trace Elements around Kitchener Drain in the Northern Nile Delta, Egypt. Agriculture (Switzerland), 2019, 9, 152.	1.4	23
36	Contributions of partition and adsorption to polycyclic aromatic hydrocarbons sorption by fractionated soil at different particle sizes. Chemosphere, 2022, 301, 134715.	4.2	23

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37	Ecofriendly remediation technologies for wastewater contaminated with heavy metals with special focus on using water hyacinth and black tea wastes: a review. Environmental Monitoring and Assessment, 2021, 193, 449.	1.3	21
38	Planning for disposal of COVID-19 pandemic wastes in developing countries: a review of current challenges. Environmental Monitoring and Assessment, 2021, 193, 592.	1.3	21
39	Plant Nutrition for Human Health: A Pictorial Review on Plant Bioactive Compounds for Sustainable Agriculture. Sustainability, 2022, 14, 8329.	1.6	20
40	Nanoremediation for Sustainable Crop Production. Sustainable Agriculture Reviews, 2017, , 335-363.	0.6	19
41	Copper Uptake Efficiency and Its Distribution Within Bioenergy Grass Giant Reed. Bulletin of Environmental Contamination and Toxicology, 2015, 95, 452-458.	1.3	18
42	Restoring Soil Ecosystems and Biomass Production of Arundo donax L. under Microbial Communities-Depleted Soil. Bioenergy Research, 2014, 7, 268-278.	2.2	17
43	The Rhizosphere and Plant Nutrition Under Climate Change. , 2017, , 275-308.		17
44	Paclobutrazol Improves the Quality of Tomato Seedlings to Be Resistant to Alternaria solani Blight Disease: Biochemical and Histological Perspectives. Plants, 2022, 11, 425.	1.6	17
45	Plant Nutrients and Their Roles Under Saline Soil Conditions. , 2018, , 297-324.		16
46	Sulfur promotes biocontrol of purple blotch disease via Trichoderma spp. and enhances the growth, yield and quality of onion. Applied Soil Ecology, 2019, 134, 15-24.	2.1	16
47	Chemical Traits of Fermented Alfalfa Brown Juice: Its Implications on Physiological, Biochemical, Anatomical, and Growth Parameters of Celosia. Agronomy, 2020, 10, 247.	1.3	16
48	Grafting Improves Fruit Yield of Cucumber Plants Grown under Combined Heat and Soil Salinity Stresses. Horticulturae, 2021, 7, 61.	1.2	16
49	Nanoparticles: a Novel Approach for Sustainable Agro-productivity. Environment Biodiversity and Soil Security, 2019, 3, 30-40.	0.1	16
50	Formation of environmentally persistent free radicals from photodegradation of triclosan by metal oxides/silica suspensions and particles. Chemosphere, 2022, 290, 133322.	4.2	16
51	Giant Reed (Arundo donax L.): A Green Technology for Clean Environment. , 2015, , 3-20.		15
52	Acclimatization of In Vitro Banana Seedlings Using Root-Applied Bio-Nanofertilizer of Copper and Selenium. Agronomy, 2022, 12, 539.	1.3	15
53	Green Synthesis of Nanoparticles by Mushrooms: A Crucial Dimension for Sustainable Soil Management. Sustainability, 2022, 14, 4328.	1.6	15
54	Nanomaterials and plant abiotic stress in agroecosystems. Environment Biodiversity and Soil Security, 2018, 2, 50-55.	0.1	14

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55	Biosynthesis of Nano-Selenium and Its Impact on Germination of Wheat under Salt Stress for Sustainable Production. Sustainability, 2022, 14, 1784.	1.6	13
56	Plant Nutrition: From Liquid Medium to Micro-farm. Sustainable Agriculture Reviews, 2014, , 449-508.	0.6	12
57	Biological Aspects of Selenium and Silicon Nanoparticles in the Terrestrial Environments. , 2018, , 235-264.		12
58	Identification of Bioactive Phytochemicals in Leaf Protein Concentrate of Jerusalem Artichoke (Helianthus tuberosus L.). Plants, 2020, 9, 889.	1.6	12
59	Selenate tolerance and selenium hyperaccumulation in the monocot giant reed (Arundo donax), a biomass crop plant with phytoremediation potential. Environmental Science and Pollution Research, 2018, 25, 31368-31380.	2.7	11
60	The Soils of Egypt. World Soils Book Series, 2019, , .	0.1	11
61	Refining high-quality leaf protein and valuable co-products from green biomass of Jerusalem artichoke (Helianthus tuberosus L.) for sustainable protein supply. Biomass Conversion and Biorefinery, 2022, 12, 2149-2164.	2.9	10
62	Using of Nano - Selenium in Reducing the Negative Effects of High Temperature Stress on Chrysanthemum morifolium Ramat.. Journal of Sustainable Agricultural Sciences, 2020, .	0.0	10
63	Impact of hexachlorocyclohexane addition on the composition and potential functions of the bacterial community in red and purple paddy soil. Environmental Pollution, 2022, 297, 118795.	3.7	10
64	Integrated Nutrient Management and Postharvest of Crops. Sustainable Agriculture Reviews, 2014, , 163-274.	0.6	9
65	New Approaches for Improving Salt Stress Tolerance in Rice. , 2020, , 247-268.		9
66	Phosphorus Availability and Potential Environmental Risk Assessment in Alkaline Soils. Agriculture (Switzerland), 2020, 10, 172.	1.4	8
67	Sustainable Biorefinery and Production of Alfalfa (Medicago sativa L.). Egyptian Journal of Botany, 2020, .	0.1	8
68	Nanoparticle-Associated Phytotoxicity and Abiotic Stress Under Agroecosystems. , 2018, , 241-268.		7
69	Contradictory Results of Soil Greenhouse Gas Emissions as Affected by Biochar Application: Special Focus on Alkaline Soils. International Journal of Environmental Research, 2021, 15, 903-920.	1.1	7
70	Environmental Nanoremediation under Changing Climate. Environment Biodiversity and Soil Security, 2017, 1, 190-200.	0.1	7
71	Precision Farming Technologies to Increase Soil and Crop Productivity. Springer Water, 2021, , 117-154.	0.2	7
72	In Vitro Investigation of the Antioxidant and Cytotoxic Potential of Tabernaemontana ventricosa Hochst. ex A. DC. Leaf, Stem, and Latex Extracts. Horticulturae, 2022, 8, 91.	1.2	7

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73	Can Grafting Manage Fusarium Wilt Disease of Cucumber and Increase Productivity under Heat Stress?. Plants, 2022, 11, 1147.	1.6	7
74	Enhancing seed germination and seedlings development of common bean (Phaseolus vulgaris) by SiO2 nanoparticles. Egyptian Journal of Soil Science, 2017, .	0.1	6
75	A Comparative Photographic Review on Higher Plants and Macro-Fungi: A Soil Restoration for Sustainable Production of Food and Energy. Sustainability, 2022, 14, 7104.	1.6	6
76	Biochemical and Physiological Response of Marigold (Tagetes ErectaÂL.) to Foliar Application of Salicylic Acid and Potassium Humate in Different Soil Growth Media. Gesunde Pflanzen, 2023, 75, 223-236.	1.7	6
77	Selenium Phytoremediation by Giant Reed. Environmental Chemistry for A Sustainable World, 2015, , 133-198.	0.3	5
78	Agricultural Waste and its Nano-Management: Mini Review. Egyptian Journal of Soil Science, 2020, .	0.1	5
79	Stressful Environments and Sustainable Soil Management: A Case Study of Kafr El-Sheikh, Egypt. Environment Biodiversity and Soil Security, 2019, 3, 41-50.	0.1	5
80	Towards a New Concept of Sustainable Plant Nutrition. Environment Biodiversity and Soil Security, 2020, 4, 1-5.	0.1	5
81	Is Nano-Biofortification the Right Approach for Malnutrition in the Era of COVID-19 and Climate change?. Egyptian Journal of Soil Science, 2021, 61, 141-150.	0.1	4
82	Biofortification of Stevia rebaudiana (Bert.) Plant with Selenium. Environment Biodiversity and Soil Security, 2020, .	0.1	4
83	Management of Greenhouse Cucumber Production under Arid Environments: A Review. Environment Biodiversity and Soil Security, 2020, .	0.1	4
84	Management of Heat Stress in Tomato Seedlings under Arid and Semi-Arid Regions: A Review. Environment Biodiversity and Soil Security, 2020, .	0.1	4
85	Paclobutrazol Applications in Agriculture, Plant Tissue Cultures and Its Potential as Stress Ameliorant: A mini Review. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	4
86	Monitoring and Inference of Behavioral Resistance in Beneficial Insects to Insecticides in Two Pest Control Systems: IPM and Organic. Agronomy, 2022, 12, 538.	1.3	4
87	Soil Health and Its Biology. World Soils Book Series, 2019, , 175-185.	0.1	3
88	Environment, Biodiversity and Soil Security: A New Dimension in the Era of COVID-19. Environment Biodiversity and Soil Security, 2021, .	0.1	3
89	Selenium and nano-selenium biofortified sprouts using micro-farm systems. , 2015, , 189-190.		3
90	Soil and Air Pollution in the Era of COVID-19: A Global Issue. Egyptian Journal of Soil Science, 2020, .	0.1	3

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91	Response of Phalaenopsis Orchid to Selenium and Bio-Nano-Selenium: In Vitro Rooting and Acclimatization. Environment Biodiversity and Soil Security, 2020, .	0.1	3
92	Sustainable and Green Management of Wastewater Under Climate Change Conditions. Handbook of Environmental Chemistry, 2021, , 443-461.	0.2	3
93	Edible Mushroom of Pleurotus spp.:A Case Study of Oyster Mushroom (Pleurotus ostreatus L.). Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	3
94	Soils and Humans. World Soils Book Series, 2019, , 201-213.	0.1	2
95	Assessing the Complex Links Between Soils and Human Health: An Area of Pressing Need. Frontiers in Soil Science, 2021, 1, .	0.8	2
96	Soils and Human Creation in the Holy Quran: from Point of View of Soil Science. Environment Biodiversity and Soil Security, 2019, .	0.1	2
97	New Pollution Challenges in Groundwater and Wastewater Due to COVID-19. Journal of Sustainable Agricultural Sciences, 2020, .	0.0	2
98	Irrigation and Fertilization Management of Successive Cultivated Sugar Beet and Cotton under Salt-Affected Soil Conditions. Environment Biodiversity and Soil Security, 2019, 3, 103-104.	0.1	2
99	Monitoring Water Quality of some Canals in Delta Region, Egypt. Environment Biodiversity and Soil Security, 2019, 3, 63-70.	0.1	2
100	ROLE OF PLANT PROBIOTICS, SUCROSE AND SILICON IN THE PRODUCTION OF TOMATO (SOLANUM) Tj ETQq0 0 0 rgBT /Overlock 10 T Environmental Research, 2020, 18, 7685-7701.	0.2	2
101	Agro-Pollutants and their Nano-Remediation from Soil and Water: A Mini-Review. Environment Biodiversity and Soil Security, 2020, .	0.1	2
102	Nanofibers for Sustainable Agriculture: A Short Communication. Egyptian Journal of Soil Science, 2021, 61, 373-380.	0.1	2
103	Edible Mushroom Cultivated in Polluted Soils and its Potential Risks on Human Health: A short communication. Egyptian Journal of Soil Science, 2021, 61, 381-389.	0.1	2
104	Nano-Nutrients for Carbon Sequestration: A Short Communication. Egyptian Journal of Soil Science, 2021, 61, 389-398.	0.1	2
105	Toxic effects of nanoparticles under combined stress on plants. , 2022, , 109-129.		2
106	Future Soil Issues. World Soils Book Series, 2019, , 215-224.	0.1	1
107	Soil Research History. World Soils Book Series, 2019, , 13-31.	0.1	1
108	Soil Fertility and Its Security. World Soils Book Series, 2019, , 137-157.	0.1	1

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109	An Overview on Anatomy of Jerusalem Artichoke (Helianthus tuberosus L.). Environment Biodiversity and Soil Security, 2021, 5, 121-130.	0.1	1
110	Soils, Biofortification, and Human Health Under COVID-19: Challenges and Opportunities. Frontiers in Soil Science, 2021, 1, .	0.8	1
111	Sustainable Approaches of Trichoderma under Changing Environments for Vegetable Production. Environment Biodiversity and Soil Security, 2020, .	0.1	1
112	Alfalfa Growth under Changing Environments: An Overview. Environment Biodiversity and Soil Security, 2020, .	0.1	1
113	Nano-Selenium and its Interaction with other Nano-Nutrients in Soil under Stressful Plants: A Mini-Review. Environment Biodiversity and Soil Security, 2021, 5, 205-2.	0.1	1
114	Global Soil Science Education to Address the Soil â€“ Water â€“ Climate Change Nexus. Environment Biodiversity and Soil Security, 2022, 6, 2-3.	0.1	1
115	Sources of silicon and nano-silicon in soils and plants. , 2022, , 1-15.		1
116	The living cells and elemental synthesis: New insights. Environment Biodiversity and Soil Security, 2021, .	0.1	0
117	Anatomical Changes of Cultivated Plants under Combined Stress: An Urgent Need for Investigation. Environment Biodiversity and Soil Security, 2021, .	0.1	0
118	Nanobiotechnology for Plants. Environment Biodiversity and Soil Security, 2019, .	0.1	0
119	Cassava Cultivars Response to Different Levels of Potassium Fertilization under Drip Irrigation and Sandy Soil Conditions. Egyptian Journal of Soil Science, 2020, .	0.1	0
120	Biodiversity Resources: A case Study of Egyptian Natural Reserves and Botanical Gardens. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	0
121	Nano-Silicon for Plant Biotic Stress: A Short Communication. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	0
122	Molecular Plant Nutrition in the Era of Nanotechnology: A Short Communication. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	0
123	Application of Nanoparticles to Control Cuscuta spp. in Horticultural Orchards: A Short Communication. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	0
124	Foliar Application of Nano-Fertilizers for Fruit Cracking: A Short Communication. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	0
125	Nano-Management of Phytoplasma Diseases in Horticultural Plants: A Short Communication. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	0
126	Microplastics Pollution in the Environment: Challenges and Future Prospectives: A Mini-Review. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	0

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127	Fortification of Functional Foods for Human Health: A Case Study of Honey and Yogurt for Diabetes. Environment Biodiversity and Soil Security, 2021, 5, 1-2.	0.1	0
128	Anatomical Studies on Three Jerusalem Artichoke (Helianthus tuberosus L.) Cultivars Grown in Hungary. Journal of Sustainable Agricultural Sciences, 2022, .	0.0	0
129	Nano-Management of Bitter Pit in Apple Crop: A Short Communication. Environment Biodiversity and Soil Security, 2021, .	0.1	0
130	Functional Yogurt Fortified with Honey Produced by Feeding Bees Natural Plant Extracts for Controlling Human Blood Sugar Level. Plants, 2022, 11, 1391.	1.6	0