Ahmed Mohamed Abd El-Gawad

List of Publications by Year
in descending order

76 papers	1,560 citations	304602 22 h-index	395590 33 g-index
76 all docs	76 docs citations	76 times ranked	1313 citing authors

#	Article	IF	Citations
1	Mixtures of organic amendments and biochar promote beneficial soil microbiota and affect Fusarium oxysporum f. sp. lactucae, Rhizoctonia solani and Sclerotinia minor disease suppression. Plant Pathology, 2022, 71, 818-829.	1.2	18
2	Gastro-protective effect ofArtemisia Sieberiessential oil against ethanol-induced ulcer in rats as revealed via biochemical, histopathological and metabolomics analysis. Biomarkers, 2022, 27, 247-257.	0.9	10
3	Wild Plant Habitat Characterization in the Last Two Decades in the Nile Delta Coastal Region of Egypt. Agriculture (Switzerland), 2022, 12, 108.	1.4	5
4	Specific microbiome signatures under the canopy of Mediterranean shrubs. Applied Soil Ecology, 2022, 173, 104407.	2.1	15
5	Arbuscular Mycorrhizal Fungi Isolated from Highly Saline â€œSabkha Habitatâ€•Soil Alleviated the NaCl-Induced Stress and Improved Lasiurus scindicus Henr. Growth. Agriculture (Switzerland), 2022, 12, 337.	1.4	10
6	Vegetation Composition of the Halophytic Grass Aeluropus lagopoides Communities within Coastal and Inland Sabkhas of Saudi Arabia. Plants, 2022, 11, 666.	1.6	9
7	Chemical Composition of Kickxia aegyptiaca Essential Oil and Its Potential Antioxidant and Antimicrobial Activities. Plants, 2022, 11, 594.	1.6	16
8	Cytoprotective potentialities of carvacrol and its nanoemulsion against cisplatin-induced nephrotoxicity in rats: development of nano-encasulation form. Heliyon, 2022, 8, e09198.	1.4	12
9	Proximate Composition, Bioactive Compounds, and Antioxidant Potential of Wild Halophytes Grown in Coastal Salt Marsh Habitats. Molecules, 2022, 27, 28.	1.7	6
10	Effect of Compost and Titanium Dioxide Application on the Vegetative Yield and Essential Oil Composition of Coriander. Sustainability, 2022, 14, 322.	1.6	3
11	Impact of prescribed burning, mowing and abandonment on a Mediterranean grassland: A 5-year multi-kingdom comparison. Science of the Total Environment, 2022, 834, 155442.	3.9	11
12	Influence of the invasive shrub Nicotiana glauca Graham on the plant seed bank in various locations in Taif region, western of Saudi Arabia. Saudi Journal of Biological Sciences, 2021, 28, 360-370.	1.8	11
13	Biochar-derived smoke-water exerts biological effects on nematodes, insects, and higher plants but not fungi. Science of the Total Environment, 2021, 750, 142307.	3.9	12
14	Cytotoxic and chemotaxonomic study of isolated metabolites from Centaurea aegyptiaca. Journal of the Chinese Chemical Society, 2021, 68, 159-168.	0.8	10
15	Essential Oil of Deverra tortuosa Aerial Parts: Detailed Chemical Profile, Allelopathic, Antimicrobial, and Antioxidant Activities. Chemistry and Biodiversity, 2021, 18, e2000914.	1.0	13
16	Extraction development for antimicrobial and phytotoxic essential oils from asteraceae species: Achillea fragrantissima, Artemisia judaica and Tanacetum sinaicum. Flavour and Fragrance Journal, 2021, 36, 352-364.	1.2	10
17	Chemical Profile of Launaea nudicaulis Ethanolic Extract and Its Antidiabetic Effect in Streptozotocin-Induced Rats. Molecules, 2021, 26, 1000.	1.7	21
18	Chemical Profiles, Anticancer, and Anti-Aging Activities of Essential Oils of Pluchea dioscoridis (L.) DC. and Erigeron bonariensis L.. Plants, 2021, 10, 667.	1.6	27

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19	Root System Architecture Plasticity of Bread Wheat in Response to Oxidative Burst under Extended Osmotic Stress. Plants, 2021, 10, 939.	1.6	4
20	Chemical Composition, Allelopathic, Antioxidant, and Anti-Inflammatory Activities of Sesquiterpenes Rich Essential Oil of Cleome amblyocarpa Barratte & Murb.. Plants, 2021, 10, 1294.	1.6	13
21	Prevalence of Diterpenes in Essential Oil of Euphorbia mauritanica L.: Detailed Chemical Profile, Antioxidant, Cytotoxic and Phytotoxic Activities. Chemistry and Biodiversity, 2021, 18, e2100238.	1.0	16
22	Microbiota Management for Effective Disease Suppression: A Systematic Comparison between Soil and Mammals Gut. Sustainability, 2021, 13, 7608.	1.6	5
23	Microbiota modulation of allelopathy depends on litter chemistry: Mitigation or exacerbation?. Science of the Total Environment, 2021, 776, 145942.	3.9	17
24	Persicaria lapathifolia Essential Oil: Chemical Constituents, Antioxidant Activity, and Allelopathic Effect on the Weed Echinochloa colona. Plants, 2021, 10, 1798.	1.6	11
25	Hydrochemical Assessment of the Irrigation Water Quality of the El-Salam Canal, Egypt. Water (Switzerland), 2021, 13, 2428.	1.2	14
26	Comparative Chemical Profiles of the Essential Oils from Different Varieties of Psidium guajava L.. Molecules, 2021, 26, 119.	1.7	28
27	Phytotoxic Effects of Plant Essential Oils: A Systematic Review and Structure-Activity Relationship Based on Chemometric Analyses. Plants, 2021, 10, 36.	1.6	70
28	Comparative Chemical Profiles and Phytotoxic Activity of Essential Oils of Two Ecospecies of Pulicaria undulata (L.) C.A.Mey. Plants, 2021, 10, 2366.	1.6	5
29	Moisture and Salinity Drive the Vegetation Composition of Wadi Hargan, Riyadh, Saudi Arabia. Diversity, 2021, 13, 587.	0.7	7
30	Impacts of Nicotiana glauca Graham Invasion on the Vegetation Composition and Soil: A Case Study of Taif, Western Saudi Arabia. Plants, 2021, 10, 2587.	1.6	2
31	Chemical composition variations, allelopathic, and antioxidant activities of Symphyotrichum squamatum (Spreng.) Nesom essential oils growing in heterogeneous habitats. Arabian Journal of Chemistry, 2020, 13, 4237-4245.	2.3	29
32	Interspecific variations in the habitats of Reichardia tingitana (L.) Roth leading to changes in its bioactive constituents and allelopathic activity. Saudi Journal of Biological Sciences, 2020, 27, 489-499.	1.8	16
33	UPLC-qTOF-MS Phytochemical Profile and Antiulcer Potential of Cyperus conglomeratus Rottb. Alcoholic Extract. Molecules, 2020, 25, 4234.	1.7	25
34	Functional Traits Plasticity of the Invasive Herb Argemone ochroleuca Sweet in Different Arid Habitats. Plants, 2020, 9, 1268.	1.6	7
35	Repeated applications of organic amendments promote beneficial microbiota, improve soil fertility and increase crop yield. Applied Soil Ecology, 2020, 156, 103714.	2.1	82
36	Infection by Plicosepalus curviflorus mistletoe affects the nutritional elements of Acacia species and soil nutrient recycling in an arid rangeland. Plant Ecology, 2020, 221, 1017-1028.	0.7	9

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37	Essential Oil of Calotropis procera: Comparative Chemical Profiles, Antimicrobial Activity, and Allelopathic Potential on Weeds. Molecules, 2020, 25, 5203.	1.7	44
38	Native Perennial Plants Colonizing Abandoned Arable Fields in a Desert Area: Population Structure and Community Assembly. Agriculture (Switzerland), 2020, 10, 550.	1.4	6
39	Protective Mechanism of Acacia saligna Butanol Extract and Its Nano-Formulations against Ulcerative Colitis in Rats as Revealed via Biochemical and Metabolomic Assays. Biology, 2020, 9, 195.	1.3	20
40	Ecological Risk Assessment of Heavy Metals along Three Main Drains in Nile Delta and Potential Phytoremediation by Macrophyte Plants. Plants, 2020, 9, 910.	1.6	12
41	Essential Oil Enriched with Oxygenated Constituents from Invasive Plant Argemone ochroleuca Exhibited Potent Phytotoxic Effects. Plants, 2020, 9, 998.	1.6	26
42	Taxonomic Implication of Integrated Chemical, Morphological, and Anatomical Attributes of Leaves of Eight Apocynaceae Taxa. Diversity, 2020, 12, 334.	0.7	7
43	Calligonum polygonoides L. Shrubs Provide Species-Specific Facilitation for the Understory Plants in Coastal Ecosystem. Biology, 2020, 9, 232.	1.3	8
44	Topical Wound Healing Activity of Myricetin Isolated from Tecomaria capensis v. aurea. Molecules, 2020, 25, 4870.	1.7	22
45	Essential oil and its nanoemulsion of Araucaria heterophylla resin: Chemical characterization, anti-inflammatory, and antipyretic activities. Industrial Crops and Products, 2020, 148, 112272.	2.5	38
46	Phytotoxic and Antimicrobial Activities of Teucrium polium and Thymus decussatus Essential Oils Extracted Using Hydrodistillation and Microwave-Assisted Techniques. Plants, 2020, 9, 716.	1.6	30
47	Essential oil of Bassia muricata: Chemical characterization, antioxidant activity, and allelopathic effect on the weed Chenopodium murale. Saudi Journal of Biological Sciences, 2020, 27, 1900-1906.	1.8	30
48	Decomposition and organic amendments chemistry explain contrasting effects on plant growth promotion and suppression of Rhizoctonia solani damping off. PLoS ONE, 2020, 15, e0230925.	1.1	22
49	Sesquiterpenes-Rich Essential Oil from Above Ground Parts of Pulicaria somalensis Exhibited Antioxidant Activity and Allelopathic Effect on Weeds. Agronomy, 2020, 10, 399.	1.3	37
50	Micropropagation of licorice (Glycyrrhiza glabra L.) by using intermediate nodal explants. Chilean Journal of Agricultural Research, 2020, 80, 326-333.	0.4	5
51	Euphosantianane Eâ€“G: Three New Premyrsinane Type Diterpenoids from Euphorbia sanctae-catharinae with Contribution to Chemotaxonomy. Molecules, 2019, 24, 2412.	1.7	18
52	Recent Advances in Kaempferia Phytochemistry and Biological Activity: A Comprehensive Review. Nutrients, 2019, 11, 2396.	1.7	39
53	Fluctuation of Essential Oil Constituents in Origanum syriacum subsp. sinaicum in Response to Plant Growth Promoting Bacteria. Journal of Essential Oil-bearing Plants: JEOP, 2019, 22, 1022-1033.	0.7	8
54	Habitat Affects the Chemical Profile, Allelopathy, and Antioxidant Properties of Essential Oils and Phenolic Enriched Extracts of the Invasive Plant Heliotropium Curassavicum. Plants, 2019, 8, 482.	1.6	36

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55	Preponderance of Oxygenated Sesquiterpenes and Diterpenes in the Volatile Oil Constituents of Lactuca serriola L. Revealed Antioxidant and Allelopathic Activity. Chemistry and Biodiversity, 2019, 16, e1900278.	1.0	31
56	Interspecific variation, antioxidant and allelopathic activity of the essential oil from three Launaea species growing naturally in heterogeneous habitats in Egypt. Flavour and Fragrance Journal, 2019, 34, 316-328.	1.2	53
57	Volatiles Profiling, Allelopathic Activity, and Antioxidant Potentiality of Xanthium Strumarium Leaves Essential Oil from Egypt: Evidence from Chemometrics Analysis. Molecules, 2019, 24, 584.	1.7	53
58	Chemical Characterization of Euphorbia heterophylla L. Essential Oils and Their Antioxidant Activity and Allelopathic Potential on Cenchrus echinatus L.. Chemistry and Biodiversity, 2019, 16, e1900051.	1.0	35
59	Antioxidant System and Biomolecules Alteration in Pisum sativum under Heavy Metal Stress and Possible Alleviation by 5-Aminolevulinic Acid. Molecules, 2019, 24, 4194.	1.7	42
60	Nutritional Value, Mineral Composition, Secondary Metabolites, and Antioxidant Activity of Some Wild Geophyte Sedges and Grasses. Plants, 2019, 8, 569.	1.6	15
61	Allelopathic Activity and Chemical Composition of Rhynchosia minima (L.) <scp>DC</scp>. Essential Oil from Egypt. Chemistry and Biodiversity, 2018, 15, e1700438.	1.0	21
62	Comparing chemistry and bioactivity of burned vs. decomposed plant litter: different pathways but same result?. Ecology, 2018, 99, 158-171.	1.5	17
63	Essential Oil Composition, Antioxidant and Allelopathic Activities of Cleome droserifolia (<scp>Forssk</scp>.) <scp>Delile</scp>. Chemistry and Biodiversity, 2018, 15, e1800392.	1.0	31
64	Faster N Release, but Not C Loss, From Leaf Litter of Invasives Compared to Native Species in Mediterranean Ecosystems. Frontiers in Plant Science, 2018, 9, 534.	1.7	28
65	Windstorm disturbance triggers multiple species invasion in an urban Mediterranean forest. IForest, 2018, 11, 64-71.	0.5	21
66	Influence of Datura stramonium Leaf Extract on Antioxidants and Activities of Metabolic Enzymes of Trigonella foenum-graecum and Lepidium. International Journal of Current Research and Academic Review, 2018, 6, 1-11.	0.1	0
67	Anti-inflammatory, Antipyretic, and Antinociceptive Effects of a Cressa cretica Aqueous Extract. Planta Medica, 2017, 83, 1313-1320.	0.7	15
68	Sugarcane bagasse: a potential low-cost biosorbent for the removal of hazardous materials. Clean Technologies and Environmental Policy, 2017, 19, 2343-2362.	2.1	59
69	Essential Oils Constituents of Aerial Parts of Cyperus capitatus L. and Cyperus difformis L. Grown Wild in Egypt. Journal of Essential Oil-bearing Plants: JEOP, 2017, 20, 1659-1665.	0.7	5
70	Does a plant detect its neighbor if it is kin or stranger? Evidence from a common garden experiment. Community Ecology, 2017, 18, 305-310.	0.5	5
71	Chemical Composition of the Essential Oil of Trianthema portulacastrum L. Aerial Parts and Potential Antimicrobial and Phytotoxic Activities of its Extract. Journal of Essential Oil-bearing Plants: JEOP, 2016, 19, 1684-1692.	0.7	20
72	Chemical constituents, antioxidant and potential allelopathic effect of the essential oil from the aerial parts of Cullen plicata. Industrial Crops and Products, 2016, 80, 36-41.	2.5	58

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73	Phytotoxicity of three Plantago species on germination and seedling growth of hairy beggarticks (Bidens pilosa L.). Egyptian Journal of Basic and Applied Sciences, 2015, 2, 303-309.	0.2	7
74	A contribution to the ecology and floristic markers of plant associations in different habitats of Sinai Peninsula, Egypt. Rendiconti Lincei, 2014, 25, 479-490.	1.0	12
75	Ecology and allelopathic control of Brassica tournefortii in reclaimed areas of the Nile Delta, Egypt. Turkish Journal of Botany, 2014, 38, 347-357.	0.5	28
76	Ecology and development of Mesembryanthemum crystallinum L. in the Deltaic Mediterranean coast of Egypt. Egyptian Journal of Basic and Applied Sciences, 2014, 1, 29-37.	0.2	17