

# Hosam O Elansary

## List of Publications by Year in descending order

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134  
papers

2,618  
citations

186209

28  
h-index

265120

42  
g-index

138  
all docs

138  
docs citations

138  
times ranked

2614  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salicylic Acid-Regulated Antioxidant Mechanisms and Gene Expression Enhance Rosemary Performance under Saline Conditions. <i>Frontiers in Physiology</i> , 2017, 8, 716.	1.3	140
2	Treatment of Sweet Pepper with Stress Tolerance-Inducing Compounds Alleviates Salinity Stress Oxidative Damage by Mediating the Physio-Biochemical Activities and Antioxidant Systems. <i>Agronomy</i> , 2020, 10, 26.	1.3	137
3	<i>Serratia marcescens</i> BM1 Enhances Cadmium Stress Tolerance and Phytoremediation Potential of Soybean Through Modulation of Osmolytes, Leaf Gas Exchange, Antioxidant Machinery, and Stress-Responsive Genes Expression. <i>Antioxidants</i> , 2020, 9, 43.	2.2	97
4	Seaweed Extracts Enhance Salam Turfgrass Performance during Prolonged Irrigation Intervals and Saline Shock. <i>Frontiers in Plant Science</i> , 2017, 8, 830.	1.7	88
5	Enhancing stress growth traits as well as phytochemical and antioxidant contents of <i>Spiraea</i> and <i>Pittosporum</i> under seaweed extract treatments. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 310-320.	2.8	85
6	Enhancing mint and basil oil composition and antibacterial activity using seaweed extracts. <i>Industrial Crops and Products</i> , 2016, 92, 50-56.	2.5	63
7	Bioactivities of Traditional Medicinal Plants in Alexandria. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-13.	0.5	61
8	Genetic Transformation and Hairy Root Induction Enhance the Antioxidant Potential of <i>Lactuca serriola</i> L.. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	58
9	Effective antioxidant, antimicrobial and anticancer activities of essential oils of horticultural aromatic crops in northern Egypt. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 214.	3.7	56
10	Synergetic effects of 5-aminolevulinic acid and <i>Ascophyllum nodosum</i> seaweed extracts on <i>Asparagus</i> phenolics and stress related genes under saline irrigation. <i>Plant Physiology and Biochemistry</i> , 2018, 129, 273-284.	2.8	53
11	<i>Artemisia absinthium</i> L. Importance in the History of Medicine, the Latest Advances in Phytochemistry and Therapeutical, Cosmetological and Culinary Uses. <i>Plants</i> , 2020, 9, 1063.	1.6	52
12	Bioactivity of essential oils extracted from <i>Cupressus macrocarpa</i> branchlets and <i>Corymbia citriodora</i> leaves grown in Egypt. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 23.	3.7	51
13	In vitro Bioactivity and Antimicrobial Activity of <i>Picea abies</i> and <i>Larix decidua</i> Wood and Bark Extracts. <i>BioResources</i> , 2016, 11, 9421-9437.	0.5	46
14	Polyphenol Profile and Pharmaceutical Potential of <i>Quercus</i> spp. Bark Extracts. <i>Plants</i> , 2019, 8, 486.	1.6	46
15	Evaluation of the effect of inner and outer bark extracts of sugar maple ( <i>Acer saccharum</i> var.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Wood Chemistry and Technology, 2019, 39, 136-147.	0.9	45
16	In vitro antibacterial, antifungal and antioxidant activities of <i>Eucalyptus</i> spp. leaf extracts related to phenolic composition. <i>Natural Product Research</i> , 2017, 31, 2927-2930.	1.0	43
17	Phenolic Compounds of <i>Catalpa speciosa</i> , <i>Taxus cuspidate</i> , and <i>Magnolia acuminata</i> have Antioxidant and Anticancer Activity. <i>Molecules</i> , 2019, 24, 412.	1.7	39
18	Chemotyping of diverse <i>Eucalyptus</i> species grown in Egypt and antioxidant and antibacterial activities of its respective essential oils. <i>Natural Product Research</i> , 2015, 29, 681-685.	1.0	38

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19	A Framework for Identification of Stable Genotypes Based on MTSI and MGDII Indexes: An Example in Guar ( <i>Cymopsis tetragonoloba</i> L.). <i>Agronomy</i> , 2021, 11, 1221.	1.3	38
20	<i>In vitro</i> antioxidant and antiproliferative activities of six international basil cultivars. <i>Natural Product Research</i> , 2015, 29, 2149-2154.	1.0	36
21	Egyptian herbal tea infusions' antioxidants and their antiproliferative and cytotoxic activities against cancer cells. <i>Natural Product Research</i> , 2015, 29, 474-479.	1.0	36
22	Integrating biogeography, threat and evolutionary data to explore extinction crisis in the taxonomic group of cycads. <i>Ecology and Evolution</i> , 2017, 7, 2735-2746.	0.8	36
23	Antifungal, antibacterial and anticancer activities of <i>Ficus drupacea</i> L. stem bark extract and biologically active isolated compounds. <i>Industrial Crops and Products</i> , 2015, 74, 752-758.	2.5	35
24	Polyphenol Profile and Antimicrobial and Cytotoxic Activities of Natural <i>Mentha</i> — <i>piperita</i> and <i>Mentha longifolia</i> Populations in Northern Saudi Arabia. <i>Processes</i> , 2020, 8, 479.	1.3	35
25	Medicinal and biological values of <i>Callistemon viminalis</i> extracts: History, current situation and prospects. <i>Asian Pacific Journal of Tropical Medicine</i> , 2017, 10, 229-237.	0.4	32
26	Effects of Water Stress and Modern Biostimulants on Growth and Quality Characteristics of Mint. <i>Agronomy</i> , 2020, 10, 6.	1.3	31
27	Energy Budgeting, Data Envelopment Analysis and Greenhouse Gas Emission from Rice Production System: A Case Study from Puddled Transplanted Rice and Direct-Seeded Rice System of Karnataka, India. <i>Sustainability</i> , 2020, 12, 6439.	1.6	31
28	Enhancement of <i>Calibrachoa</i> growth, secondary metabolites and bioactivity using seaweed extracts. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 341.	3.7	30
29	Essential Oils of Mint between Benefits and Hazards. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2013, 16, 429-438.	0.7	28
30	Morphological and physiological responses and drought resistance enhancement of ornamental shrubs by trinexapac-ethyl application. <i>Scientia Horticulturae</i> , 2015, 189, 1-11.	1.7	27
31	Diversity of Plants, Traditional Knowledge, and Practices in Local Cosmetics: A Case Study from Alexandria, Egypt. <i>Economic Botany</i> , 2015, 69, 114-126.	0.8	26
32	Antioxidant and Biological Activities of <i>Acacia saligna</i> and <i>Lawsonia inermis</i> Natural Populations. <i>Plants</i> , 2020, 9, 908.	1.6	26
33	Seed Priming with Iron Oxide Nanoparticles Raises Biomass Production and Agronomic Profile of Water-Stressed Flax Plants. <i>Agronomy</i> , 2022, 12, 982.	1.3	26
34	Chemical Composition, Antibacterial and Antioxidant Activities of Leaves Essential Oils from <i>Syzygium cumini</i> L., <i>Cupressus sempervirens</i> L. and <i>Lantana camara</i> L. from Egypt. <i>Journal of Agricultural Science</i> , 2012, 4, .	0.1	25
35	Saudi <i>Rosmarinus officinalis</i> and <i>Ocimum basilicum</i> L. Polyphenols and Biological Activities. <i>Processes</i> , 2020, 8, 446.	1.3	25
36	Basil cultivar identification using chemotyping still favored over genotyping using core barcodes and possible resources of antioxidants. <i>Journal of Essential Oil Research</i> , 2015, 27, 82-87.	1.3	24

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37	Uniformity of organellar DNA in <i>Aldrovanda vesiculosa</i> , an endangered aquatic carnivorous species, distributed across four continents. <i>Aquatic Botany</i> , 2010, 92, 214-220.	0.8	22
38	Role of Integrated Nutrient Management and Agronomic Fortification of Zinc on Yield, Nutrient Uptake and Quality of Wheat. <i>Sustainability</i> , 2020, 12, 3513.	1.6	22
39	Production of Verbascoside, Isoverbascoside and Phenolic Acids in Callus, Suspension, and Bioreactor Cultures of <i>Verbena officinalis</i> and Biological Properties of Biomass Extracts. <i>Molecules</i> , 2020, 25, 5609.	1.7	21
40	The Effect of Organic, Inorganic Fertilizers and Their Combinations on Fruit Quality Parameters in Strawberry. <i>Horticulturae</i> , 2021, 7, 354.	1.2	21
41	Effects of urban green spaces on human perceived health improvements: Provision of green spaces is not enough but how people use them matters. <i>PLoS ONE</i> , 2020, 15, e0239314.	1.1	20
42	Mass Spectral Fragmentation of <i>Pelargonium graveolens</i> Essential Oil Using GC-MS Semi-Empirical Calculations and Biological Potential. <i>Processes</i> , 2020, 8, 128.	1.3	20
43	Antiproliferative, Antimicrobial, and Antifungal Activities of Polyphenol Extracts from <i>Ferocactus</i> Species. <i>Processes</i> , 2020, 8, 138.	1.3	20
44	Morphological Characterization, Variability and Diversity among Vegetable Soybean ( <i>Glycine max</i> L.) Genotypes. <i>Plants</i> , 2021, 10, 671.	1.6	20
45	Exploring the exemplary structural, electronic, optical, and elastic nature of inorganic ternary cubic $\text{XBaF}_3$ (X = Al and Ti) employing the accurate TB-mBJ approach. <i>Semiconductor Science and Technology</i> , 2022, 37, 075004.	1.0	20
46	De-novo Domestication for Improving Salt Tolerance in Crops. <i>Frontiers in Plant Science</i> , 2021, 12, 681367.	1.7	19
47	<i>Mammillaria</i> Species—Polyphenols Studies and Anti-Cancer, Anti-Oxidant, and Anti-Bacterial Activities. <i>Molecules</i> , 2020, 25, 131.	1.7	18
48	The first initiative of DNA barcoding of ornamental plants from Egypt and potential applications in horticulture industry. <i>PLoS ONE</i> , 2017, 12, e0172170.	1.1	17
49	Differential Accumulation of Metabolites in <i>Suaeda</i> Species Provides New Insights into Abiotic Stress Tolerance in C4-Halophytic Species in Elevated CO <sub>2</sub> Conditions. <i>Agronomy</i> , 2021, 11, 131.	1.3	17
50	Effects of different surface and subsurface drip irrigation levels on growth traits, tuber yield, and irrigation water use efficiency of potato crop. <i>Irrigation Science</i> , 2021, 39, 517-533.	1.3	17
51	Crosstalk of Multi-Omics Platforms with Plants of Therapeutic Importance. <i>Cells</i> , 2021, 10, 1296.	1.8	16
52	Assessment of Sustainability and Priorities for Development of Indian West Coast Region: An Application of Sustainable Livelihood Security Indicators. <i>Sustainability</i> , 2020, 12, 8716.	1.6	15
53	Polyphenol Content and Biological Activities of <i>Ruta graveolens</i> L. and <i>Artemisia abrotanum</i> L. in Northern Saudi Arabia. <i>Processes</i> , 2020, 8, 531.	1.3	15
54	Biological activity and safety profile of the essential oil from fruits of <i>Heracleum mantegazzianum</i> Sommier & Levier (Apiaceae). <i>Food and Chemical Toxicology</i> , 2017, 109, 820-826.	1.8	14



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73	Microbial Biomass Carbon, Activity of Soil Enzymes, Nutrient Availability, Root Growth, and Total Biomass Production in Wheat Cultivars under Variable Irrigation and Nutrient Management. <i>Agronomy</i> , 2021, 11, 669.	1.3	11
74	Ethnobotany at a local scale: diversity of knowledge of medicinal plants and assessment of plant cultural importance in the Polokwane local municipality, South Africa. <i>Botany Letters</i> , 2017, 164, 93-102.	0.7	10
75	Hydraulic performance of labyrinth-channel emitters: experimental study, ANN, and GEP modeling. <i>Irrigation Science</i> , 2020, 38, 1-16.	1.3	10
76	<i>Malus baccata</i> var. <i>gracilis</i> and <i>Malus toringoides</i> Bark Polyphenol Studies and Antioxidant, Antimicrobial and Anticancer Activities. <i>Processes</i> , 2020, 8, 283.	1.3	10
77	In Vitro Propagation of <i>Aconitum chasmanthum</i> Stapf Ex Holmes: An Endemic and Critically Endangered Plant Species of the Western Himalaya. <i>Horticulturae</i> , 2021, 7, 586.	1.2	10
78	Elevated Bioactivity of <i>Ruta graveolens</i> against Cancer Cells and Microbes Using Seaweeds. <i>Processes</i> , 2020, 8, 75.	1.3	9
79	Assessment of Planting Method and Deficit Irrigation Impacts on Physio-Morphology, Grain Yield and Water Use Efficiency of Maize ( <i>Zea mays</i> L.) on Vertisols of Semi-Arid Tropics. <i>Plants</i> , 2021, 10, 1094.	1.6	9
80	In vitro antioxidant, antifungal and antibacterial activities of five international <i>Calibrachoa</i> cultivars. <i>Natural Product Research</i> , 2016, 30, 1339-1342.	1.0	8
81	Metabolic Profile of and Antimicrobial Activity in the Aerial Part of <i>Leonurus turkestanicus</i> V.I. Krecz. et Kuprian. from Kazakhstan. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1700-1705.	0.7	8
82	Residue and Potassium Management Strategies to Improve Crop Productivity, Potassium Mobilization, and Assimilation under Zero-Till Maize-Wheat Cropping System. <i>Agriculture (Switzerland)</i> , 2020, 10, 401.	1.4	8
83	Application of homobrassinolide enhances growth, yield and quality of tomato. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4800-4806.	1.8	8
84	Productivity of Paddies as Influenced by Varied Rates of Recommended Nutrients in Conjunction with Biofertilizers in Local Landraces. <i>Agronomy</i> , 2021, 11, 1165.	1.3	8
85	Ethnobotanical inventory and medicinal perspectives of herbal flora of Shivalik mountainous range of District Bhimber, Azad Jammu and Kashmir, Pakistan. <i>PLoS ONE</i> , 2022, 17, e0265028.	1.1	8
86	Biochemical and Anti-proliferative activities of seven abundant tropical red seaweeds confirm nutraceutical potential of <i>Grateloupia indica</i> . <i>Arabian Journal of Chemistry</i> , 2022, 15, 103868.	2.3	8
87	Climate Change-Induced Drought Impacts, Adaptation and Mitigation Measures in Semi-Arid Pastoral and Agricultural Watersheds. <i>Sustainability</i> , 2022, 14, 6.	1.6	8
88	Supersaturation-Based Drug Delivery Systems: Strategy for Bioavailability Enhancement of Poorly Water-Soluble Drugs. <i>Molecules</i> , 2022, 27, 2969.	1.7	8
89	Assessing the phylogenetic dimension of Australian <i>Acacia</i> species introduced outside their native ranges. <i>Botany Letters</i> , 2016, 163, 33-39.	0.7	7
90	Investigation of the Biological Applications of Biosynthesized Nickel Oxide Nanoparticles Mediated by <i>Buxus wallichiana</i> Extract. <i>Crystals</i> , 2022, 12, 146.	1.0	7

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91	Immunoadjuvant and Humoral Immune Responses of Garlic ( <i>Allium sativum</i> L.) Lectins upon Systemic and Mucosal Administration in BALB/c Mice. <i>Molecules</i> , 2022, 27, 1375.	1.7	7
92	Spatial distribution and identification of potential risk regions to rice blast disease in different rice ecosystems of Karnataka. <i>Scientific Reports</i> , 2022, 12, 7403.	1.6	7
93	Antimicrobial activities of different solvent extracts from stem and seeds of <i>Peganum Harmala</i> L. <i>PLoS ONE</i> , 2022, 17, e0265206.	1.1	7
94	Phytochemical Screening, Antioxidant and Antifungal Activities of <i>Aconitum chasmanthum</i> Stapf ex Holmes Wild Rhizome Extracts. <i>Antioxidants</i> , 2022, 11, 1052.	2.2	7
95	Towards a DNA barcode library for Egyptian flora, with a preliminary focus on ornamental trees and shrubs of two major gardens. <i>DNA Barcodes</i> , 2013, 1, .	1.2	6
96	Basil morphological and physiological performance under trinexapac-ethyl foliar sprays and prolonged irrigation intervals. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	6
97	Chemical Diversity and Antioxidant Capacity of Essential Oils of Marjoram in Northwest Egypt. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2015, 18, 917-924.	0.7	6
98	In vitro Antioxidant and Antimicrobial Effects of <i>Ceratostigma plumbaginoides</i> . <i>Natural Product Communications</i> , 2016, 11, 1934578X1601101.	0.2	6
99	Influence of sowing windows and genotypes on growth, radiation interception, conversion efficiency and yield of guar. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3453-3460.	1.8	6
100	Morphological and Biochemical Diversity in Fruits of Unsprayed <i>Rosa canina</i> and <i>Rosa dumalis</i> Ecotypes Found in Different Agroecological Conditions. <i>Sustainability</i> , 2021, 13, 8060.	1.6	6
101	Maintaining the Quality and Storage Life of Button Mushrooms ( <i>Agaricus bisporus</i> ) with Gum, Agar, Sodium Alginate, Egg White Protein, and Lecithin Coating. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 614.	1.5	6
102	Husk Cherry: Nutritional attributes, bioactive compounds and technological applications. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103402.	2.3	6
103	Impact of Elevated CO <sub>2</sub> and Temperature on Growth, Development and Nutrient Uptake of Tomato. <i>Horticulturae</i> , 2021, 7, 509.	1.2	6
104	In vitro Antioxidant and Antimicrobial Effects of <i>Ceratostigma plumbaginoides</i> . <i>Natural Product Communications</i> , 2016, 11, 1455-1458.	0.2	6
105	Insight into the exemplary structural, elastic, electronic and optical nature of GaBeCl <sub>3</sub> and InBeCl <sub>3</sub> : a DFT study. <i>RSC Advances</i> , 2022, 12, 8172-8177.	1.7	6
106	Antidiabetic and Antilipidemic Activity of Root Extracts of <i>Salacia oblonga</i> against Streptozotocin-Induced Diabetes in Wistar Rats. <i>Processes</i> , 2020, 8, 301.	1.3	5
107	Elucidating Traditional Rice Varieties for Consilient Biotic and Abiotic Stress Management under Changing Climate with Landscape-Level Rice Biodiversity. <i>Land</i> , 2021, 10, 1058.	1.2	5
108	Phenylpropanoid Glycoside and Phenolic Acid Profiles and Biological Activities of Biomass Extracts from Different Types of <i>Verbena officinalis</i> Microshoot Cultures and Soil-Grown Plant. <i>Antioxidants</i> , 2022, 11, 409.	2.2	5

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109	Management of Green Mold Disease in White Button Mushroom ( <i>Agaricus bisporus</i> ) and Its Yield Improvement. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 554.	1.5	5
110	In Vitro Propagation of <i>Aconitum violaceum</i> Jacq. ex Stapf through Seed Culture and Somatic Embryogenesis. <i>Horticulturae</i> , 2022, 8, 599.	1.2	5
111	Heuchera Creme Brulee and Mahogany Medicinal Value under Water Stress and Oligosaccharide (COS) Treatment. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-13.	0.5	4
112	Response of Drip Irrigation and Fertigation on Cumin Yield, Quality, and Water-Use Efficiency Grown under Arid Climatic Conditions. <i>Agronomy</i> , 2020, 10, 1711.	1.3	4
113	Colloidal Silver Hydrogen Peroxide: New Generation Molecule for Management of Phytopathogens. <i>Horticulturae</i> , 2021, 7, 573.	1.2	4
114	Integrated Effect of Deficit Irrigation and Sowing Methods on Weed Dynamics and System Productivity of Maize–Cowpea Sequence on Vertisols. <i>Agronomy</i> , 2021, 11, 808.	1.3	3
115	Biochemical and Morphological Characteristics of Some Macrofungi Grown Naturally. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 851.	1.5	3
116	Secondary Metabolite Profiling, Anti-Inflammatory and Hepatoprotective Activity of <i>Neptunia triquetra</i> (Vahl) Benth. <i>Molecules</i> , 2021, 26, 7353.	1.7	3
117	Protected Cultivation of Horticultural Crops in Uttarakhand: An Economic Analysis. <i>Agronomy</i> , 2021, 11, 692.	1.3	2
118	Alien woody plants are more versatile than native, but both share similar therapeutic redundancy in South Africa. <i>PLoS ONE</i> , 2021, 16, e0260390.	1.1	2
119	Impact of Safe Rock <sup>®</sup> Minerals, Mineral Fertilizers, and Manure on the Quantity and Quality of the Wheat Yield in the Rice–Wheat Cropping System. <i>Plants</i> , 2022, 11, 183.	1.6	2
120	Development of instant paneer type product from groundnut using microwave dehydration. <i>Food Science and Nutrition</i> , 2022, 10, 1520-1526.	1.5	2
121	Impact of Climate Change on Phenology of Two Heat-Resistant Wheat Varieties and Future Adaptations. <i>Plants</i> , 2022, 11, 1180.	1.6	2
122	Preservation and Recovery of Metal-Tolerant Fungi from Industrial Soil and Their Application to Improve Germination and Growth of Wheat. <i>Sustainability</i> , 2022, 14, 5531.	1.6	2
123	Characterization of Okra Species, Their Hybrids and Crossability Relationships among <i>Abelmoschus</i> Species of the Western Ghats Region. <i>Horticulturae</i> , 2022, 8, 587.	1.2	2
124	Methylated Fatty Acids from Heartwood and Bark of <i>Pinus sylvestris</i> , <i>Abies alba</i> , <i>Picea abies</i> , and <i>Larix decidua</i> : Effect of Strong Acid Treatment. <i>BioResources</i> , 2015, 10, .	0.5	1
125	Defensive Mechanisms in Cucurbits against Melon Fly ( <i>Bactrocera cucurbitae</i> ) Infestation through Excessive Production of Defensive Enzymes and Antioxidants. <i>Molecules</i> , 2021, 26, 6345.	1.7	1
126	Investigation of <i>Euphorbia nivulia</i> -HAM for Enzyme Inhibition Potential in Relation to the Phenolic and Flavonoid Contents and Radical Scavenging Activity. <i>Life</i> , 2022, 12, 321.	1.1	1



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127	Time, Mediated through Plant Versatility, Is a Better Predictor of Medicinal Status of Alien Plants. Diversity, 2022, 14, 286.	0.7	1
128	Nutrients Uptake and Accumulation in Plant Parts of Fragrant Rosa Species Irrigated with Treated and Untreated Wastewater. Plants, 2022, 11, 1260.	1.6	1
129	Sinapicacid Inhibits Group IIA Secretory Phospholipase A2 and Its Inflammatory Response in Mice. Antioxidants, 2022, 11, 1251.	2.2	1
130	Field study and regression modeling on soil water distribution with mulching and surface or subsurface drip irrigation systems. International Journal of Agricultural and Biological Engineering, 2021, 14, 142-150.	0.3	0
131	Title is missing!. , 2020, 15, e0239314.		0
132	Title is missing!. , 2020, 15, e0239314.		0
133	Title is missing!. , 2020, 15, e0239314.		0
134	Title is missing!. , 2020, 15, e0239314.		0