

# Abdelfattah Badr

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3989029/publications.pdf>

Version: 2024-02-01

79  
papers

2,075  
citations

331670

21  
h-index

254184

43  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1958  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Origin and Domestication History of Barley ( <i>Hordeum vulgare</i> ). <i>Molecular Biology and Evolution</i> , 2000, 17, 499-510.	8.9	521
2	A nuclear gene of eubacterial origin in <i>Euglena gracilis</i> reflects cryptic endosymbioses during protist evolution.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 9122-9126.	7.1	173
3	Characterization of the extracellular $\hat{3}$ -glutamyl transpeptidases, GGT1 and GGT2, in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2007, 49, 865-877.	5.7	123
4	Nanobiotechnological advancements in agriculture and food industry: Applications, nanotoxicity, and future perspectives. <i>Science of the Total Environment</i> , 2021, 792, 148359.	8.0	92
5	Effect of herbicide glean on mitosis, chromosomes and nucleic acids in <i>Allium cepa</i> and <i>Vicia faba</i> root meristems.. <i>Cytologia</i> , 1987, 52, 293-302.	0.6	67
6	Floristic composition and vegetation analysis in Hail region north of central Saudi Arabia. <i>Saudi Journal of Biological Sciences</i> , 2010, 17, 119-128.	3.8	62
7	Cytogenetic activities of a triazine herbicide in root tips of <i>Allium cepa</i> and <i>Vicia faba</i> . <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1983, 117, 173-182.	1.2	61
8	Screening for Drought Tolerance in Maize ( <i>Zea mays</i> L.) Germplasm Using Germination and Seedling Traits under Simulated Drought Conditions. <i>Plants</i> , 2020, 9, 565.	3.5	61
9	Mitodepressive and chromotoxic activities of two herbicides in <i>Allium cepa</i> .. <i>Cytologia</i> , 1983, 48, 451-457.	0.6	59
10	Speciation and Species Separation in <i>Hordeum</i> L. (Poaceae) Resolved by Discontinuous Molecular Markers. <i>Plant Biology</i> , 2002, 4, 567-575.	3.8	51
11	Special issue in honour of Prof. Reto J. Strasser - Comparative analysis of drought stress response of maize genotypes using chlorophyll fluorescence measurements and leaf relative water content. <i>Photosynthetica</i> , 2020, 58, 638-645.	1.7	50
12	Molecular phylogeny of Old World <i>Trifolium</i> (Fabaceae), based on plastid and nuclear markers. <i>Plant Systematics and Evolution</i> , 2000, 224, 153-171.	0.9	39
13	Comparative study of virulence factors among ES $\hat{2}$ L-producing and nonproducing <i>Pseudomonas aeruginosa</i> clinical isolates. <i>Turkish Journal of Medical Sciences</i> , 2015, 45, 60-69.	0.9	39
14	Effects of the s-triazine herbicide turbutryn on mitosis, chromosomes and nucleic acids in root tips of <i>Vicia faba</i> .. <i>Cytologia</i> , 1986, 51, 571-577.	0.6	37
15	Systematic relationships in <i>Lathyrus</i> sect. <i>Lathyrus</i> (Fabaceae) based on amplified fragment length polymorphism (AFLP) data. <i>Canadian Journal of Botany</i> , 2002, 80, 962-969.	1.1	34
16	Ancestors of white clover ( <i>Trifolium repens</i> L.), as revealed by isozyme polymorphisms. <i>Theoretical and Applied Genetics</i> , 2002, 106, 143-148.	3.6	34
17	Electrophoretic studies of seed proteins in relation to chromosomal criteria and the relationships of some taxa of <i>Trifolium</i> . <i>Taxon</i> , 1995, 44, 183-191.	0.7	32
18	Correlation between antibiotic resistance and virulence of <i>Pseudomonas aeruginosa</i> clinical isolates. <i>Turkish Journal of Medical Sciences</i> , 2015, 45, 568-577.	0.9	32

#	ARTICLE	IF	CITATIONS
19	Chromosomal Criteria and Taxonomic Relationships in the Solanaceae.. <i>Cytologia</i> , 1997, 62, 103-113.	0.6	31
20	Efficacy of metal oxide nanoparticles as novel antimicrobial agents against multi-drug and multi-virulent <i>Staphylococcus aureus</i> isolates from retail raw chicken meat and giblets. <i>International Journal of Food Microbiology</i> , 2021, 344, 109116.	4.7	29
21	Antimitotic and chromotoxic activities of isoproturon in <i>Allium cepa</i> and <i>Hordeum vulgare</i> . <i>Environmental and Experimental Botany</i> , 1982, 22, 265-270.	4.2	24
22	Genetic diversity of <i>Artemisia</i> populations in central and north Saudi Arabia based on morphological variation and RAPD polymorphism. <i>Plant Systematics and Evolution</i> , 2012, 298, 871-886.	0.9	22
23	Origin and ancestry of Egyptian clover ( <i>Trifolium alexandrinum</i> L.) As revealed by AFLP markers. <i>Genetic Resources and Crop Evolution</i> , 2008, 55, 21-31.	1.6	21
24	Seed coat color, weight and eye pattern inheritance in gamma-rays induced cowpea M2-mutant line. <i>Journal of Genetic Engineering and Biotechnology</i> , 2016, 14, 61-68.	3.3	21
25	Chloroplast DNA restriction site polymorphism in <i>Genisteae</i> ( <i>Leguminosae</i> ) suggests a common origin for European and American lupines. <i>Plant Systematics and Evolution</i> , 1994, 193, 95-106.	0.9	20
26	Variation of Giemsa C-band and fluorochrome banded karyotypes, and relationships in <i>Allium</i> subgen. <i>Molium</i> . <i>Plant Systematics and Evolution</i> , 1977, 128, 23-35.	0.9	19
27	Cytophysiological impacts of Metosulam herbicide on <i>Vicia faba</i> plants. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1933-1941.	2.1	18
28	Role of Salicylic Acid in Biotic and Abiotic Stress Tolerance in Plants. , 2020, , 533-554.		17
29	Karyotype Analysis and Systematic Relationships in the Egyptian <i>Astragalus</i> L. ( <i>Fabaceae</i> ). <i>International Journal of Botany</i> , 2007, 3, 147-159.	0.2	17
30	Chromosomal studies in the Egyptian flora. II. Karyotype studies in the genus <i>Plantago</i> L.. <i>Cytologia</i> , 1987, 52, 725-731.	0.6	15
31	Molecular approaches to origin, ancestry and domestication history of crop plants: Barley and clover as examples. <i>Journal of Genetic Engineering and Biotechnology</i> , 2012, 10, 1-12.	3.3	15
32	Ecofriendly Synthesis of Silver Nanoparticles and Their Effects on Early Growth and Cell Division in Roots of Green Pea ( <i>Pisum sativum</i> L.). <i>Gesunde Pflanzen</i> , 2020, 72, 113-127.	3.0	15
33	Ultrastructural and molecular implications of ecofriendly made silver nanoparticles treatments in pea ( <i>Pisum sativum</i> L.). <i>Journal of Genetic Engineering and Biotechnology</i> , 2022, 20, 5.	3.3	13
34	NUMERICAL TAXONOMY OF SPECIES IN <i>ALLIUM</i> SUBGENUS <i>MOLIUM</i> . <i>New Phytologist</i> , 1978, 81, 401-417.	7.3	12
35	Cytological Effects of Gamma Radiation and Its Impact on Growth and Yield of M1 and M2 Plants of Cowpea Cultivars. <i>Cytologia</i> , 2014, 79, 195-206.	0.6	12
36	Genetic Diversity among Selected <i>Medicago sativa</i> Cultivars Using Inter-Retrotransposon-Amplified Polymorphism, Chloroplast DNA Barcodes and Morpho-Agronomic Trait Analyses. <i>Plants</i> , 2020, 9, 995.	3.5	11

#	ARTICLE	IF	CITATIONS
37	Cytogenetic activities of 3 sulphonamides. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1982, 104, 95-100.	1.1	10
38	Nuclear DNA variation in relation to cytological features of some species in the genus <i>Plantago</i> L.. Cytologia, 1987, 52, 733-737.	0.6	10
39	Cytogenetic activities of some fungicides.. Cytologia, 1988, 53, 635-640.	0.6	10
40	Chromosomal Studies in the Egyptian Flora V. Chromosomal relationships in the genus <i>Astragalus</i> L. (Fabaceae) and their taxonomic inference.. Cytologia, 1996, 61, 105-111.	0.6	10
41	Genetic diversity of <i>Achillea fragrantissima</i> in Egypt inferred from phenotypic variations and ISSR markers associated with traits of plant size and seed yield. Plant Genetic Resources: Characterisation and Utilisation, 2017, 15, 239-247.	0.8	8
42	Genetic Diversity among <i>Ocimum</i> Populations in Egypt as Reflected by Morphological, Seed Proteins and Isozyme Polymorphism. International Journal of Botany, 2006, 2, 261-269.	0.2	8
43	Studies on exogenous elicitors promotion of sulforaphane content in broccoli sprouts and its effect on the MDA-MB-231 breast cancer cell line. Annals of Agricultural Sciences, 2021, 66, 46-52.	2.9	7
44	Genetic diversity of a global collection of maize genetic resources in relation to their subspecies assignments, geographic origin, and drought tolerance. Breeding Science, 2021, 71, 313-325.	1.9	7
45	Construction of a Dehydrin Gene Cassette for Drought Tolerance from Wild Origin for Wheat Transformation. International Journal of Botany, 2005, 1, 175-182.	0.2	7
46	Genetic Diversity among <i>Mentha</i> Populations in Egypt as Reflected by Isozyme Polymorphism. International Journal of Botany, 2005, 1, 188-195.	0.2	7
47	Giemsa C-banded karyotypes and taxonomic relationships of some North American <i>Allium</i> species and their relationship to Old World species (Liliaceae). Plant Systematics and Evolution, 1984, 144, 17-24.	0.9	6
48	Cytology and taxonomic relationships of some taxa in the genus <i>Silene</i> L.. Cytologia, 1987, 52, 63-68.	0.6	6
49	Improvement of Flax Drought Tolerance Using Gene Transfer. Plant Tissue Culture and Biotechnology, 2016, 26, 197-207.	0.2	6
50	Biodiversity of some <i>Solanum</i> species from southwestern Saudi Arabia's highlands. Botany Letters, 2021, 168, 246-255.	1.4	6
51	Genetic diversity and volatile oil components variation in <i>Achillea fragrantissima</i> wild accessions and their regenerated genotypes. Journal of Genetic Engineering and Biotechnology, 2021, 19, 166.	3.3	6
52	Genetic Diversity of <i>Colocynthis</i> ( <i>Citrullus colocynthis</i> Schrader) Populations in the Eastern Desert of Egypt as Revealed by Morphological Variation and ISSR Polymorphism. Feddes Repertorium, 2018, 129, 173-184.	0.5	5
53	Genetic diversity and population structure of the medicinal plant <i>Achillea fragrantissima</i> (Forssk.) Sch. Bip. in the mountains of South Sinai, Egypt. Plant Gene, 2020, 21, 100212.	2.3	5
54	Electrophoretic analysis of the seed proteins of some species in genus <i>Lotus</i> With 4 Figures and one Table. Feddes Repertorium, 1993, 104, 251-257.	0.5	4

#	ARTICLE	IF	CITATIONS
55	Genetic differentiation in the medicinal plant <i>Artemisia judaica</i> L. populations in Saint-Catherine area, South Sinai, Egypt. <i>Plant Gene</i> , 2017, 12, 80-87.	2.3	4
56	Plant Responses to Induced Genotoxicity and Oxidative Stress by Chemicals. , 2021, , 103-131.		4
57	Molecular Phylogeny of <i>Trifolium</i> L. Section <i>Trifolium</i> with Reference to Chromosome Number and Subsections Delimitation. <i>Plants</i> , 2021, 10, 1985.	3.5	4
58	Cytotaxonomic relationships of some taxa of Egyptian <i>Allium</i> L.. <i>Cytologia</i> , 1990, 55, 161-167.	0.6	3
59	Genetic diversity in white clover and its progenitors as revealed by DNA fingerprinting. <i>Biologia Plantarum</i> , 2012, 56, 283-291.	1.9	3
60	Relationships of <i>Lupinus</i> species based on variation in seed protein electrophoretic profiles. <i>Taeckholmia</i> , 2006, 26, 1-15.	0.3	3
61	Genetic diversity in Egyptian populations of <i>Achillea santolina</i> using morphological traits and ISSR markers. <i>Taeckholmia</i> , 2014, 34, 49-65.	0.3	3
62	Effect of the herbicide terbutryn on meiosis, yield and mitotic chromosomes in C2 plants of <i>Vicia faba</i> L.. <i>Biologia Plantarum</i> , 1987, 29, 70-72.	1.9	2
63	Three new records of <i>Solanum</i> species for the flora of Saudi Arabia. <i>Feddes Repertorium</i> , 2018, 129, 69-74.	0.5	2
64	Systematic Revision of <i>Erodium</i> species in Egypt as Reflected by Variation in Morphological Characters and Seed Protein Electrophoretic Profile. <i>International Journal of Botany</i> , 2008, 4, 225-230.	0.2	2
65	Determination of Functional $\beta$ -CTase Genes and Investigation of the Biological Activity of Proteins in <i>Arabidopsis thaliana</i> at Different Stages of Growth. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 294-301.	0.5	2
66	Cytogenetic Studies on Nine Genotypes of <i>Phaseolus vulgaris</i> L. Cultivated in Egypt in Relation to Zinc Efficiency. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 4230-4235.	0.5	2
67	GC-MS Analysis of Ethanol Extract of <i>Solanum</i> Species and Populations from Saudi Arabia and their Systematics Implications. <i>Egyptian Journal of Botany</i> , 2017, .	0.2	2
68	Differential In vitro Direct Regeneration of Tomato Genotypes on Various Combinations of Growth Regulators. <i>Biotechnology</i> , 2017, 16, 155-164.	0.1	2
69	Cytogenetic Impact of Gamma Irradiation and its Effect on Growth and Yield of Three Soybean Cultivars. <i>Egyptian Journal of Botany</i> , 2018, .	0.2	2
70	Tissue Cultures of <i>Phaseolus vulgaris</i> L.. <i>Giornale Botanico Italiano (Florence, Italy: 1962)</i> , 1996, 130, 717-727.	0.0	1
71	Cytological and molecular consequences of wheat grain exposure to microwave radiations. <i>Acta Botanica Hungarica</i> , 2013, 55, 61-79.	0.3	1
72	Description of seed and pollen micromorphology and their taxonomic impact in some <i>Solanum</i> L. species. <i>Taeckholmia</i> , 2019, 39, 1-17.	0.3	1

#	ARTICLE	IF	CITATIONS
73	Genetic diversity in <i>Artemisia monosperma</i> and <i>Artemisia judaica</i> populations in Egypt based on morphological, karyological and molecular variations. <i>Journal of Medicinal Plants Research</i> , 2012, 6, .	0.4	1
74	Chromosomes as Sources of Taxonomic Information for Plant Systematics and Evolution. <i>Taeckholmia</i> , 2022, 41, 70-90.	0.3	1
75	Relationships of <i>Astragalus</i> L. in section <i>Sesamei</i> based on morphological criteria and molecular markers. <i>Bangladesh Journal of Plant Taxonomy</i> , 2014, 21, 1-12.	0.2	0
76	Regulation of Glutathione under Abiotic Stress in Mutant and Wild Type <i>Arabidopsis thaliana</i> . <i>Journal of Botany (Faisalabad)</i> , 2006, 1, 6-18.	0.8	0
77	Regulation of Glutathione under Abiotic Stress in Mutant and Wild Type <i>Arabidopsis thaliana</i> *. <i>Journal of Botany (Faisalabad)</i> , 2010, 5, 25-37.	0.8	0
78	Genetic Diversity Among Populations of the Medicinal Plant <i>Achillea fragrantissima</i> (Asteraceae) in Egypt. <i>Egyptian Journal of Botany</i> , 2015, 55, 61-78.	0.2	0
79	Expression of OsDREB2A in Transgenic Tomato Improves Drought Tolerance. <i>Romanian Biotechnological Letters</i> , 2021, 26, 3145-3154.	0.5	0