

Jen-Tsung Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4090724/jen-tsung-chen-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

1,515
citations

24
h-index

36
g-index

94
ext. papers

2,083
ext. citations

3.8
avg, IF

5.15
L-index

#	Paper	IF	Citations
74	An Overview of Hazardous Impacts of Soil Salinity in Crops, Tolerance Mechanisms, and Amelioration through Selenium Supplementation. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	140
73	Direct somatic embryogenesis on leaf explants of Oncidium Gower Ramsey and subsequent plant regeneration. <i>Plant Cell Reports</i> , 1999 , 19, 143-149	5.1	78
72	Direct somatic embryogenesis and plant regeneration from leaf explants of Phalaenopsis amabilis. <i>Biologia Plantarum</i> , 2006 , 50, 169-173	2.1	73
71	Efficient plant regeneration through somatic embryogenesis from callus cultures of Oncidium (Orchidaceae). <i>Plant Science</i> , 2000 , 160, 87-93	5.3	71
70	Effects of auxins and cytokinins on direct somatic embryogenesis on leaf explants of Oncidium 'Gower Ramsey'. <i>Plant Growth Regulation</i> , 2001 , 34, 229-232	3.2	56
69	Effect of Citric Acid on Growth, Ecophysiology, Chloroplast Ultrastructure, and Phytoremediation Potential of Jute (L.) Seedlings Exposed to Copper Stress. <i>Biomolecules</i> , 2020 , 10,	5.9	47
68	Effects of tissue culture conditions and explant characteristics on direct somatic embryogenesis in Oncidium 'Gower Ramsey'. <i>Plant Cell, Tissue and Organ Culture</i> , 2002 , 69, 41-44	2.7	44
67	Plant regeneration through direct shoot bud formation from leaf cultures of Paphiopedilum orchids. <i>Plant Cell, Tissue and Organ Culture</i> , 2004 , 76, 11-15	2.7	42
66	Bioactivities of Leaf Extracts Conjugated with Zinc Oxide Nanoparticles. <i>Biomolecules</i> , 2019 , 10,	5.9	40
65	Plant regeneration through direct somatic embryogenesis from leaf explants of Dendrobium. <i>Biologia Plantarum</i> , 2007 , 51, 346-350	2.1	39
64	Plant regeneration via protocorm-like body formation and shoot multiplication from seed-derived callus of a maudiae type slipper orchid. <i>Acta Physiologiae Plantarum</i> , 2008 , 30, 755-759	2.6	39
63	Cytokinins induce direct somatic embryogenesis of Dendrobium chiengmai pink and subsequent plant regeneration. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2005 , 41, 765-769	2.3	38
62	On the Neuroprotective Effects of Naringenin: Pharmacological Targets, Signaling Pathways, Molecular Mechanisms, and Clinical Perspective. <i>Biomolecules</i> , 2019 , 9,	5.9	36
61	Efficient plant regeneration through direct somatic embryogenesis from leaf explants of Phalaenopsis 'Little Steve'. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2005 , 41, 453-456	2.3	36
60	Effects of genotype, light regime, explant position and orientation on direct somatic embryogenesis from leaf explants of Phalaenopsis orchids. <i>Acta Physiologiae Plantarum</i> , 2009 , 31, 363-369	2.6	35
59	1-Aminocyclopropane-1-Carboxylic Acid Enhanced Direct Somatic Embryogenesis from Oncidium Leaf Cultures. <i>Biologia Plantarum</i> , 2003 , 46, 455-458	2.1	31
58	Alleviation of Salinity-Induced Oxidative Stress, Improvement in Growth, Physiology and Mineral Nutrition of Canola (Brassica napus L.) through Calcium-Fortified Composted Animal Manure. <i>Sustainability</i> , 2020 , 12, 846	3.6	31

57	Induction of repetitive embryogenesis from seed-derived protocorms of <i>Phalaenopsis amabilis</i> var. <i>Formosa shimadzu</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2004 , 40, 290-293	2.3	29
56	Plant regeneration via embryo and shoot bud formation from flower-stalk explants of <i>Oncidium Sweet Sugar</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2000 , 62, 95-100	2.7	29
55	Effects of GA ₃ , ancymidol, cycocel and paclobutrazol on direct somatic embryogenesis of <i>Oncidium</i> in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2003 , 72, 105-108	2.7	27
54	Morphogenetic routes of long-term embryogenic callus culture of <i>Areca catechu</i> . <i>Biologia Plantarum</i> , 2010 , 54, 1-5	2.1	26
53	Enhancement of direct somatic embryogenesis and plantlet growth from leaf explants of <i>Phalaenopsis</i> by adjusting culture period and explant length. <i>Acta Physiologiae Plantarum</i> , 2010 , 32, 621-627	2.6	25
52	Phytomelatonin: An overview of the importance and mediating functions of melatonin against environmental stresses. <i>Physiologia Plantarum</i> , 2021 , 172, 820-846	4.6	25
51	An Overview of Orchid Protocorm-Like Bodies: Mass Propagation, Biotechnology, Molecular Aspects, and Breeding. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	24
50	TIBA affects the induction of direct somatic embryogenesis from leaf explants of <i>Oncidium</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2004 , 79, 315-320	2.7	22
49	Efficient production of protocorm-like bodies and plant regeneration from flower stalk explants of the sympodial orchid <i>Epidendrum radicans</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2002 , 38, 441-445	2.3	22
48	Effects of Auxins and Cytokinins on Embryo Formation from Root-derived Callus of <i>Oncidium Flower Ramsey</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2004 , 77, 107-109	2.7	19
47	Influence of growth regulators on direct embryo formation from leaf explants of <i>Phalaenopsis</i> orchids. <i>Acta Physiologiae Plantarum</i> , 2008 , 30, 507	2.6	18
46	Efficient and repetitive production of leaf-derived somatic embryos of <i>Oncidium</i> . <i>Biologia Plantarum</i> , 2006 , 50, 107-110	2.1	18
45	Enhancing Cadmium Tolerance and Pea Plant Health through sp. MN17 Inoculation Together with Biochar and Gravel Sand. <i>Plants</i> , 2020 , 9,	4.5	17
44	Plant regeneration via callus culture and subsequent in vitro flowering of <i>Dendrobium huoshanense</i> . <i>Acta Physiologiae Plantarum</i> , 2014 , 36, 2619-2625	2.6	17
43	Global multi-omics and systems pharmacological strategy unravel the multi-targeted therapeutic potential of natural bioactive molecules against COVID-19: An in silico approach. <i>Genomics</i> , 2020 , 112, 4486-4504	4.3	17
42	Plant regeneration via direct somatic embryogenesis from leaf explants of <i>Tolumnia Louise Elmore 'Elsa'</i> . <i>Botanical Studies</i> , 2018 , 59, 4	2.3	16
41	Multiple shoot formation and plant regeneration from stem nodal explants of <i>Paphiopedilum</i> orchids. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2002 , 38, 595-597	2.3	16
40	Enhanced Agronomic Traits and Medicinal Constituents of Autotetraploids in <i>Anoectochilus formosanus</i> Hayata, a Top-Grade Medicinal Orchid. <i>Molecules</i> , 2017 , 22,	4.8	15

39	Insights into the genes involved in the ethylene biosynthesis pathway in <i>Arabidopsis thaliana</i> and <i>Oryza sativa</i> . <i>Journal of Genetic Engineering and Biotechnology</i> , 2020 , 18, 62	3.1	15
38	and Their Bioactive Compounds Inferred Multi-Target Treatment Strategy for Neurological Diseases: A Cheminformatics and System Pharmacology Approach. <i>Biomolecules</i> , 2020 , 10,	5.9	15
37	Biotechnological Interventions for Ginsenosides Production. <i>Biomolecules</i> , 2020 , 10,	5.9	15
36	Promotion of direct somatic embryogenesis of <i>Oncidium</i> by adjusting carbon sources. <i>Biologia Plantarum</i> , 2008 , 52, 597-600	2.1	14
35	An Overview of Abiotic Stress in Cereal Crops: Negative Impacts, Regulation, Biotechnology and Integrated Omics. <i>Plants</i> , 2021 , 10,	4.5	13
34	Jasmonates and Plant Salt Stress: Molecular Players, Physiological Effects, and Improving Tolerance by Using Genome-Associated Tools. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	12
33	Shoot development and plant regeneration from protocorm-like bodies of <i>Zygopetalum mackayi</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2010 , 46, 306-311	2.3	11
32	Somatic embryogenesis and plant regeneration from leaf, root and stem-derived callus cultures of <i>Areca catechu</i> . <i>Biologia Plantarum</i> , 2006 , 50, 279-282	2.1	10
31	Genome-Wide Prediction of Complex Traits in Two Outcrossing Plant Species Through Deep Learning and Bayesian Regularized Neural Network. <i>Frontiers in Plant Science</i> , 2020 , 11, 593897	6.2	10
30	Foliar Application of CeO Nanoparticles Alters Generative Components Fitness and Seed Productivity in Bean Crop (L.). <i>Nanomaterials</i> , 2021 , 11,	5.4	10
29	Recent Advances in Diagnostic and Therapeutic Approaches for Breast Cancer: A Comprehensive Review. <i>Current Pharmaceutical Design</i> , 2021 , 27, 2344-2365	3.3	10
28	Cellular origin and development of secondary somatic embryos in <i>Oncidium</i> leaf cultures. <i>Biologia Plantarum</i> , 2012 , 56, 215-220	2.1	8
27	A novel in vitro protocol for inducing direct somatic embryogenesis in <i>Phalaenopsis aphrodite</i> without taking explants. <i>Scientific World Journal, The</i> , 2014 , 2014, 263642	2.2	7
26	Induction of petal-bearing embryos from root-derived callus of <i>Oncidium</i> [Lower Ramsey] <i>Acta Physiologiae Plantarum</i> , 2012 , 34, 1337-1343	2.6	7
25	Plant-growth-promoting <i>Bacillus</i> and <i>Paenibacillus</i> species improve the nutritional status of <i>Triticum aestivum</i> L. <i>PLoS ONE</i> , 2020 , 15, e0241130	3.7	7
24	Variations in Growth, Physiology, and Antioxidative Defense Responses of Two Tomato (<i>Solanum lycopersicum</i> L.) Cultivars after Co-Infection of <i>Fusarium oxysporum</i> and <i>Meloidogyne incognita</i> . <i>Agronomy</i> , 2020 , 10, 159	3.6	6
23	Plant regeneration through shoot formation from callus of <i>Areca catechu</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2003 , 75, 95-98	2.7	6
22	Chromosome Doubling-Enhanced Biomass and Dihydrotanshinone I Production in <i>Salvia miltiorrhiza</i> , A Traditional Chinese Medicinal Plant. <i>Molecules</i> , 2018 , 23,	4.8	6

21	Weeds Spectrum, Productivity and Land-Use Efficiency in Maize-Gram Intercropping Systems under Semi-Arid Environment. <i>Agronomy</i> , 2021 , 11, 1615	3.6	6
20	Magnetic analogue-imprinted polymers for the extraction of ginsenosides from the Panax ginseng callus. <i>Industrial Crops and Products</i> , 2021 , 163, 113291	5.9	5
19	Genetic Potential and Inheritance Pattern of Phenological Growth and Drought Tolerance in Cotton (Gossypium Hirsutum L.). <i>Frontiers in Plant Science</i> , 2021 , 12, 705392	6.2	5
18	Thidiazuron-induced efficient propagation of Salvia miltiorrhiza through in vitro organogenesis and medicinal constituents of regenerated plants. <i>Acta Physiologiae Plantarum</i> , 2016 , 38, 1	2.6	4
17	Effects of Salicylic and Acetylsalicylic Acid on Direct Somatic Embryogenesis in Oncidium. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2008 , 17, 149-153	1.6	4
16	Protective effect of the isolated oligosaccharide from Rosa canina in STZ-treated cells through modulation of the autophagy pathway. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13404	3.3	4
15	The Role of OsWRKY Genes in Rice When Faced with Single and Multiple Abiotic Stresses. <i>Agronomy</i> , 2021 , 11, 1301	3.6	4
14	Integrative bioinformatics approaches to map key biological markers and therapeutic drugs in Extramammary Paget's disease of the scrotum. <i>PLoS ONE</i> , 2021 , 16, e0254678	3.7	4
13	Biochemical Analysis of Organic Acids and Soluble Sugars in Wild and Cultivated Pomegranate Germplasm Based in Pakistan. <i>Plants</i> , 2020 , 9, 493	4.5	4
12	Plant regeneration through somatic embryogenesis from zygotic embryo-derived callus of Areca catechu L. (Arecaceae). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2003 , 39, 34-36	2.3	3
11	Selenium Nanoparticles (Se-NPs) Alleviates Salinity Damages and Improves Phytochemical Characteristics of Pineapple Mint (Mentha suaveolens Ehrh.). <i>Plants</i> , 2022 , 11, 1384	4.5	3
10	Extracts of Euphorbia nivulia Buch.-Ham. showed both phytotoxic and insecticidal capacities against Lemna minor L. and Oxycarenus hyalinipennis Costa. <i>PLoS ONE</i> , 2021 , 16, e0250118	3.7	2
9	Secondary metabolites in orchids: Biosynthesis, medicinal uses, and biotechnology. <i>South African Journal of Botany</i> , 2021 , 139, 338-351	2.9	2
8	Contribution of Root Anatomical Characteristics in Fruit Profile of Pomegranate Genotypes to Expand Production Area in Pakistan. <i>Agronomy</i> , 2020 , 10, 810	3.6	1
7	In Vitro Organogenesis of a Slipper Orchid, Paphiopedilum Alma Gavaert <i>Notulae Scientia Biologicae</i> , 2018 , 10, 607-613	0.4	1
6	L. derived specialized molecules unveil the multi-targeted therapeutic avenues against COPD: a systems pharmacology approach.. <i>Frontiers in Bioscience</i> , 2022 , 27, 87		0
5	Comprehensive computational analysis reveals H5N1 influenza virus-encoded miRNAs and host-specific targets associated with antiviral immune responses and protein binding.. <i>PLoS ONE</i> , 2022 , 17, e0263901	3.7	0
4	Factors Affecting Thidiazuron-Induced Direct Somatic Embryogenesis of Phalaenopsis aphrodite 2018 , 317-327		

- 3 Genetic Potential and Inheritance Pattern of Phenological Growth and Drought Tolerance in Cotton (L.). *Frontiers in Plant Science*, **2021**, 12, 705392 6.2
- 2 How Do Extraction Methods and Biotechnology Influence Our Understanding and Usages of Ginsenosides?: A Critical View and Perspectives
- 1 Introductory Chapter: Current Views and Modern Perspectives of Ginseng in Medicines