

# Jen-Tsung Chen

## List of Publications by Year in Descending Order

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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	L. derived specialized molecules unveil the multi-targeted therapeutic avenues against COPD: a systems pharmacology approach.. <i>Frontiers in Bioscience</i> , <b>2022</b> , 27, 87		0
73	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> , <b>2022</b> , 17, e0263901	3.7	0
72	Selenium Nanoparticles (Se-NPs) Alleviates Salinity Damages and Improves Phytochemical Characteristics of Pineapple Mint ( <i>Mentha suaveolens</i> Ehrh.). <i>Plants</i> , <b>2022</b> , 11, 1384	4.5	3
71	Genetic Potential and Inheritance Pattern of Phenological Growth and Drought Tolerance in Cotton (L.). <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 705392	6.2	
70	Jasmonates and Plant Salt Stress: Molecular Players, Physiological Effects, and Improving Tolerance by Using Genome-Associated Tools. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	12
69	Foliar Application of CeO Nanoparticles Alters Generative Components Fitness and Seed Productivity in Bean Crop (L.). <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	10
68	Extracts of <i>Euphorbia nivulia</i> Buch.-Ham. showed both phytotoxic and insecticidal capacities against <i>Lemna minor</i> L. and <i>Oxycarenus hyalinipennis</i> Costa. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250118	3.7	2
67	Magnetic analogue-imprinted polymers for the extraction of ginsenosides from the <i>Panax ginseng</i> callus. <i>Industrial Crops and Products</i> , <b>2021</b> , 163, 113291	5.9	5
66	The Role of OsWRKY Genes in Rice When Faced with Single and Multiple Abiotic Stresses. <i>Agronomy</i> , <b>2021</b> , 11, 1301	3.6	4
65	Integrative bioinformatics approaches to map key biological markers and therapeutic drugs in Extramammary Paget's disease of the scrotum. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254678	3.7	4
64	Secondary metabolites in orchids: Biosynthesis, medicinal uses, and biotechnology. <i>South African Journal of Botany</i> , <b>2021</b> , 139, 338-351	2.9	2
63	Phytomelatonin: An overview of the importance and mediating functions of melatonin against environmental stresses. <i>Physiologia Plantarum</i> , <b>2021</b> , 172, 820-846	4.6	25
62	An Overview of Abiotic Stress in Cereal Crops: Negative Impacts, Regulation, Biotechnology and Integrated Omics. <i>Plants</i> , <b>2021</b> , 10,	4.5	13
61	Recent Advances in Diagnostic and Therapeutic Approaches for Breast Cancer: A Comprehensive Review. <i>Current Pharmaceutical Design</i> , <b>2021</b> , 27, 2344-2365	3.3	10
60	Weeds Spectrum, Productivity and Land-Use Efficiency in Maize-Gram Intercropping Systems under Semi-Arid Environment. <i>Agronomy</i> , <b>2021</b> , 11, 1615	3.6	6
59	Genetic Potential and Inheritance Pattern of Phenological Growth and Drought Tolerance in Cotton ( <i>Gossypium Hirsutum</i> L.). <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 705392	6.2	5
58	Contribution of Root Anatomical Characteristics in Fruit Profile of Pomegranate Genotypes to Expand Production Area in Pakistan. <i>Agronomy</i> , <b>2020</b> , 10, 810	3.6	1

57	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> , <b>2020</b> , 10, 159	3.6	6
56	An Overview of Orchid Protocorm-Like Bodies: Mass Propagation, Biotechnology, Molecular Aspects, and Breeding. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	24
55	Effect of Citric Acid on Growth, Ecophysiology, Chloroplast Ultrastructure, and Phytoremediation Potential of Jute ( <i>L.</i> ) Seedlings Exposed to Copper Stress. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	47
54	Enhancing Cadmium Tolerance and Pea Plant Health through sp. MN17 Inoculation Together with Biochar and Gravel Sand. <i>Plants</i> , <b>2020</b> , 9,	4.5	17
53	Alleviation of Salinity-Induced Oxidative Stress, Improvement in Growth, Physiology and Mineral Nutrition of Canola ( <i>Brassica napus</i> L.) through Calcium-Fortified Composted Animal Manure. <i>Sustainability</i> , <b>2020</b> , 12, 846	3.6	31
52	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> , <b>2020</b> , 15, e0241130	3.7	7
51	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> , <b>2020</b> , 11, 593897	6.2	10
50	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> , <b>2020</b> , 18, 62	3.1	15
49	Protective effect of the isolated oligosaccharide from <i>Rosa canina</i> in STZ-treated cells through modulation of the autophagy pathway. <i>Journal of Food Biochemistry</i> , <b>2020</b> , 44, e13404	3.3	4
48	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> , <b>2020</b> , 112, 4486-4504	4.3	17
47	and Their Bioactive Compounds Inferred Multi-Target Treatment Strategy for Neurological Diseases: A Cheminformatics and System Pharmacology Approach. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	15
46	Biotechnological Interventions for Ginsenosides Production. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	15
45	Biochemical Analysis of Organic Acids and Soluble Sugars in Wild and Cultivated Pomegranate Germplasm Based in Pakistan. <i>Plants</i> , <b>2020</b> , 9, 493	4.5	4
44	On the Neuroprotective Effects of Naringenin: Pharmacological Targets, Signaling Pathways, Molecular Mechanisms, and Clinical Perspective. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	36
43	Bioactivities of Leaf Extracts Conjugated with Zinc Oxide Nanoparticles. <i>Biomolecules</i> , <b>2019</b> , 10,	5.9	40
42	An Overview of Hazardous Impacts of Soil Salinity in Crops, Tolerance Mechanisms, and Amelioration through Selenium Supplementation. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	140
41	Factors Affecting Thidiazuron-Induced Direct Somatic Embryogenesis of <i>Phalaenopsis aphrodite</i> <b>2018</b> , 317-327		
40	Plant regeneration via direct somatic embryogenesis from leaf explants of <i>Tolumnia Louise Elmore</i> 'Elsa'. <i>Botanical Studies</i> , <b>2018</b> , 59, 4	2.3	16

39	In Vitro Organogenesis of a Slipper Orchid, Paphiopedilum Alma Gavaert <i>Notulae Scientia Biologicae</i> , <b>2018</b> , 10, 607-613	0.4	1
38	Chromosome Doubling-Enhanced Biomass and Dihydrotanshinone I Production in <i>Salvia miltiorrhiza</i> , A Traditional Chinese Medicinal Plant. <i>Molecules</i> , <b>2018</b> , 23,	4.8	6
37	Enhanced Agronomic Traits and Medicinal Constituents of Autotetraploids in <i>Anoectochilus formosanus</i> Hayata, a Top-Grade Medicinal Orchid. <i>Molecules</i> , <b>2017</b> , 22,	4.8	15
36	Thidiazuron-induced efficient propagation of <i>Salvia miltiorrhiza</i> through in vitro organogenesis and medicinal constituents of regenerated plants. <i>Acta Physiologiae Plantarum</i> , <b>2016</b> , 38, 1	2.6	4
35	Plant regeneration via callus culture and subsequent in vitro flowering of <i>Dendrobium huoshanense</i> . <i>Acta Physiologiae Plantarum</i> , <b>2014</b> , 36, 2619-2625	2.6	17
34	A novel in vitro protocol for inducing direct somatic embryogenesis in <i>Phalaenopsis aphrodite</i> without taking explants. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 263642	2.2	7
33	Cellular origin and development of secondary somatic embryos in <i>Oncidium</i> leaf cultures. <i>Biologia Plantarum</i> , <b>2012</b> , 56, 215-220	2.1	8
32	Induction of petal-bearing embryos from root-derived callus of <i>Oncidium</i> Flower Ramsey <i>Acta Physiologiae Plantarum</i> , <b>2012</b> , 34, 1337-1343	2.6	7
31	Shoot development and plant regeneration from protocorm-like bodies of <i>Zygopetalum mackayi</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2010</b> , 46, 306-311	2.3	11
30	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> , <b>2010</b> , 32, 621-627	2.6	25
29	Morphogenetic routes of long-term embryogenic callus culture of <i>Areca catechu</i> . <i>Biologia Plantarum</i> , <b>2010</b> , 54, 1-5	2.1	26
28	Effects of genotype, light regime, explant position and orientation on direct somatic embryogenesis from leaf explants of <i>Phalaenopsis</i> orchids. <i>Acta Physiologiae Plantarum</i> , <b>2009</b> , 31, 363-369	2.6	35
27	Effects of Salicylic and Acetylsalicylic Acid on Direct Somatic Embryogenesis in <i>Oncidium</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , <b>2008</b> , 17, 149-153	1.6	4
26	Promotion of direct somatic embryogenesis of <i>Oncidium</i> by adjusting carbon sources. <i>Biologia Plantarum</i> , <b>2008</b> , 52, 597-600	2.1	14
25	Influence of growth regulators on direct embryo formation from leaf explants of <i>Phalaenopsis</i> orchids. <i>Acta Physiologiae Plantarum</i> , <b>2008</b> , 30, 507	2.6	18
24	Plant regeneration via protocorm-like body formation and shoot multiplication from seed-derived callus of a <i>maudiae</i> type slipper orchid. <i>Acta Physiologiae Plantarum</i> , <b>2008</b> , 30, 755-759	2.6	39
23	Plant regeneration through direct somatic embryogenesis from leaf explants of <i>Dendrobium</i> . <i>Biologia Plantarum</i> , <b>2007</b> , 51, 346-350	2.1	39
22	Efficient and repetitive production of leaf-derived somatic embryos of <i>Oncidium</i> . <i>Biologia Plantarum</i> , <b>2006</b> , 50, 107-110	2.1	18

21	Direct somatic embryogenesis and plant regeneration from leaf explants of <i>Phalaenopsis amabilis</i> . <i>Biologia Plantarum</i> , <b>2006</b> , 50, 169-173	2.1	73
20	Somatic embryogenesis and plant regeneration from leaf, root and stem-derived callus cultures of <i>Areca catechu</i> . <i>Biologia Plantarum</i> , <b>2006</b> , 50, 279-282	2.1	10
19	Efficient plant regeneration through direct somatic embryogenesis from leaf explants of <i>Phalaenopsis Little Steve</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2005</b> , 41, 453-456	2.3	36
18	Cytokinins induce direct somatic embryogenesis of <i>Dendrobium chiengmai pink</i> and subsequent plant regeneration. <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2005</b> , 41, 765-769	2.3	38
17	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> , <b>2004</b> , 40, 290-293	2.3	29
16	Plant regeneration through direct shoot bud formation from leaf cultures of <i>Paphiopedilum</i> orchids. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2004</b> , 76, 11-15	2.7	42
15	Effects of Auxins and Cytokinins on Embryo Formation from Root-derived Callus of <i>Oncidium Gower Ramsey</i> . <i>Plant Cell, Tissue and Organ Culture</i> , <b>2004</b> , 77, 107-109	2.7	19
14	TIBA affects the induction of direct somatic embryogenesis from leaf explants of <i>Oncidium</i> . <i>Plant Cell, Tissue and Organ Culture</i> , <b>2004</b> , 79, 315-320	2.7	22
13	1-Aminocyclopropane-1-Carboxylic Acid Enhanced Direct Somatic Embryogenesis from <i>Oncidium</i> Leaf Cultures. <i>Biologia Plantarum</i> , <b>2003</b> , 46, 455-458	2.1	31
12	Plant regeneration through shoot formation from callus of <i>Areca catechu</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2003</b> , 75, 95-98	2.7	6
11	Plant regeneration through somatic embryogenesis from zygotic embryo-derived callus of <i>Areca catechu</i> L. (Arecaceae). <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2003</b> , 39, 34-36	2.3	3
10	Effects of GA <sub>3</sub> , ancymidol, cycocel and paclobutrazol on direct somatic embryogenesis of <i>Oncidium</i> in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2003</b> , 72, 105-108	2.7	27
9	Effects of tissue culture conditions and explant characteristics on direct somatic embryogenesis in <i>Oncidium 'Gower Ramsey'</i> . <i>Plant Cell, Tissue and Organ Culture</i> , <b>2002</b> , 69, 41-44	2.7	44
8	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> , <b>2002</b> , 38, 441-445	2.3	22
7	Multiple shoot formation and plant regeneration from stem nodal explants of <i>Paphiopedilum</i> orchids. <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2002</b> , 38, 595-597	2.3	16
6	Effects of auxins and cytokinins on direct somatic embryogenesis on leaf explants of <i>Oncidium 'Gower Ramsey'</i> . <i>Plant Growth Regulation</i> , <b>2001</b> , 34, 229-232	3.2	56
5	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> , <b>2000</b> , 62, 95-100	2.7	29
4	Efficient plant regeneration through somatic embryogenesis from callus cultures of <i>Oncidium</i> (Orchidaceae). <i>Plant Science</i> , <b>2000</b> , 160, 87-93	5.3	71

- 3 Direct somatic embryogenesis on leaf explants of *Oncidium Gower Ramsey* and subsequent plant regeneration. *Plant Cell Reports*, **1999**, 19, 143-149 5.1 78
- 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