Jian Wen Wang

List of Publications by Year
in descending order

72	2,446	186265 28	214800 47
papers	citations	h-index	g-index

72	72	72	2900
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitric Oxide is Involved in Methyl Jasmonate-induced Defense Responses and Secondary Metabolism Activities of Taxus Cells. Plant and Cell Physiology, 2005, 46, 923-930.	3.1	142
2	Involvement of nitric oxide in oxidative burst, phenylalanine ammonia-lyase activation and Taxol production induced by low-energy ultrasound in Taxus yunnanensis cell suspension cultures. Nitric Oxide - Biology and Chemistry, 2006, 15, 351-358.	2.7	136
3	Stimulation of Artemisinin Production in Artemisia annua Hairy Roots by Ag-SiO2 Core-shell Nanoparticles. Current Nanoscience, 2013, 9, 363-370.	1.2	128
4	Tanshinone biosynthesis in Salvia miltiorrhiza and production in plant tissue cultures. Applied Microbiology and Biotechnology, 2010, 88, 437-449.	3.6	118
5	A Minimal Cysteine Motif Required to Activate the SKOR K+ Channel of Arabidopsis by the Reactive Oxygen Species H2O2*. Journal of Biological Chemistry, 2010, 285, 29286-29294.	3.4	111
6	Free radical scavenging and antioxidant activities of EPS2, an exopolysaccharide produced by a marine filamentous fungus Keissleriella sp. YS 4108. Life Sciences, 2004, 75, 1063-1073.	4.3	102
7	Nitrate reductase mutation alters potassium nutrition as well as nitric oxideâ€mediated control of guard cell ion channels in Arabidopsis. New Phytologist, 2016, 209, 1456-1469.	7.3	93
8	Immobilization of glucose oxidase on chitosanâ€“SiO2 gel. Enzyme and Microbial Technology, 2004, 34, 126-131.	3.2	92
9	Cerebroside C Increases Tolerance to Chilling Injury and Alters Lipid Composition in Wheat Roots. PLoS ONE, 2013, 8, e73380.	2.5	80
10	Nitric oxide elicitation for secondary metabolite production in cultured plant cells. Applied Microbiology and Biotechnology, 2012, 93, 455-466.	3.6	74
11	Stimulation of artemisinin synthesis by combined cerebroside and nitric oxide elicitation in Artemisia annua hairy roots. Applied Microbiology and Biotechnology, 2009, 85, 285-292.	3.6	65
12	Title is missing!. Biotechnology Letters, 2001, 23, 857-860.	2.2	64
13	Laccase production by Monotospora sp., an endophytic fungus in Cynodon dactylon. Bioresource Technology, 2006, 97, 786-789.	9.6	61
14	Glaucocalyxin A induces apoptosis in human leukemia HL-60 cells through mitochondria-mediated death pathway. Toxicology in Vitro, 2011, 25, 51-63.	2.4	59
15	Biosynthesis of Silver Nanoparticles Using Taxus yunnanensis Callus and Their Antibacterial Activity and Cytotoxicity in Human Cancer Cells. Nanomaterials, 2016, 6, 160.	4.1	57
16	Effective Elicitors and Process Strategies for Enhancement of Secondary Metabolite Production in Hairy Root Cultures. Advances in Biochemical Engineering/Biotechnology, 2013, 134, 55-89.	1.1	56
17	Transcriptome responses involved in artemisinin production in Artemisia annua L. under UV-B radiation. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 292-300.	3.8	55
18	Synergistic effects of ultraviolet-B and methyl jasmonate on tanshinone biosynthesis in Salvia miltiorrhiza hairy roots. Journal of Photochemistry and Photobiology B: Biology, 2016, 159, 93-100.	3.8	50

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19	Nitric Oxide Potentiates Oligosaccharideâ€induced Artemisinin Production in Artemisia annua Hairy Roots. Journal of Integrative Plant Biology, 2008, 50, 49-55.	8.5	46
20	Antioxidant and DNA Damage Protecting Activity of Exopolysaccharides from the Endophytic Bacterium Bacillus cereus SZ1. Molecules, 2016, 21, 174.	3.8	45
21	Efficient degradation of triclosan by an endophytic fungus Penicillium oxalicum B4. Environmental Science and Pollution Research, 2018, 25, 8963-8975.	5.3	45
22	Immobilization of alliinase with a water solubleâ€“insoluble reversible N-succinyl-chitosan for allicin production. Enzyme and Microbial Technology, 2009, 45, 299-304.	3.2	44
23	Enhanced production of hypocrellin A by ultrasound stimulation in submerged cultures of Shiraia bambusicola. Ultrasonics Sonochemistry, 2017, 38, 214-224.	8.2	44
24	Involvement of nitric oxide in elicitor-induced defense responses and secondary metabolism of Taxus chinensis cells. Nitric Oxide - Biology and Chemistry, 2004, 11, 298-306.	2.7	42
25	Transcriptomic responses involved in enhanced production of hypocrellin A by addition of Triton X-100 in submerged cultures of Shiraia bambusicola. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 1415-1429.	3.0	41
26	Title is missing!. Biotechnology Letters, 2002, 24, 1153-1156.	2.2	38
27	Cloning and characterization of an elicitor-responsive gene encoding 3-hydroxy-3-methylglutaryl coenzyme A reductase involved in 20-hydroxyecdysone production in cell cultures of Cyanotis arachnoidea. Plant Physiology and Biochemistry, 2014, 84, 1-9.	5.8	36
28	Improved hypocrellin A production in Shiraia bambusicola by light-dark shift. Journal of Photochemistry and Photobiology B: Biology, 2018, 182, 100-107.	3.8	32
29	Involvement of nitric oxide in cerebroside-induced defense responses and taxol production in Taxus yunnanensis suspension cells. Applied Microbiology and Biotechnology, 2007, 75, 1183-1190.	3.6	28
30	Inducing perylenequinone production from a bambusicolous fungus Shiraia sp. S9 through co-culture with a fruiting body-associated bacterium Pseudomonas fulva SB1. Microbial Cell Factories, 2019, 18, 121.	4.0	26
31	The influence of endophytic Penicillium oxalicum B4 on growth and artemisinin biosynthesis of in vitro propagated plantlets of Artemisia annua L.. Plant Growth Regulation, 2016, 80, 93-102.	3.4	25
32	Propagation of Salvia miltiorrhiza from hairy root explants via somatic embryogenesis and tanshinone content in obtained plants. Industrial Crops and Products, 2013, 50, 648-653.	5.2	22
33	Lanthanum elicitation on hypocrellin A production in mycelium cultures of Shiraia bambusicola is mediated by ROS generation. Journal of Rare Earths, 2019, 37, 895-902.	4.8	22
34	Simultaneous production of anthocyanin and triterpenoids in suspension cultures of Perilla frutescens. Enzyme and Microbial Technology, 2004, 34, 651-656.	3.2	21
35	Bacteria Associated With Shiraia Fruiting Bodies Influence Fungal Production of Hypocrellin A. Frontiers in Microbiology, 2019, 10, 2023.	3.5	21
36	Nitric Oxide and Hydrogen Peroxide Signaling in Extractive Shiraia Fermentation by Triton X-100 for Hypocrellin A Production. International Journal of Molecular Sciences, 2020, 21, 882.	4.1	18

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37	Enhanced Production of Hypocrellin A in Submerged Cultures of Shiraia bambusicola by Red Light. Photochemistry and Photobiology, 2019, 95, 812-822.	2.5	17
38	Effects of 5-Azacytidine on Growth and Hypocrellin Production of Shiraia bambusicola. Frontiers in Microbiology, 2018, 9, 2508.	3.5	16
39	Title is missing!. Biotechnology Letters, 2002, 24, 1573-1577.	2.2	15
40	Cytotoxic Activities and DNA Binding Properties of 1-Methyl-7H-indeno[1,2-b]Quinolinium-7-(4-dimethylamino) Benzylidene Triflate. DNA and Cell Biology, 2012, 31, 1046-1053.	1.9	14
41	Influences of bearing housing deflection on vibration performance of cylinder roller bearingâ€“rotor system. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2013, 227, 106-114.	0.8	14
42	Antioxidant Properties and PC12 Cell Protective Effects of a Novel Curcumin Analogue (2E,6E)-2,6-Bis(3,5- dimethoxybenzylidene)cyclohexanone (MCH). International Journal of Molecular Sciences, 2014, 15, 3970-3988.	4.1	14
43	The microbial transglutaminase immobilization on carboxylated poly(N-isopropylacrylamide) for thermo-responsivity. Enzyme and Microbial Technology, 2016, 87-88, 44-51.	3.2	14
44	ANTIOXIDANT POTENTIAL AND DNA DAMAGE PROTECTING ACTIVITY OF AQUEOUS EXTRACT FROM ARMILLARIA MELLEA. Journal of Food Biochemistry, 2012, 36, 139-148.	2.9	13
45	PEGylation of cytochrome c at the level of lysine residues mediated by a microbial transglutaminase. Biotechnology Letters, 2016, 38, 1121-1129.	2.2	13
46	Nitric oxide donor sodium nitroprusside-induced transcriptional changes and hypocrellin biosynthesis of Shiraia sp. S9. Microbial Cell Factories, 2021, 20, 92.	4.0	13
47	Negative-Pressure Cavitation Extraction of Secoisolariciresinol Diglycoside from Flaxseed Cakes. Molecules, 2015, 20, 11076-11089.	3.8	12
48	Biosynthesis of silver nanoparticles using Artemisia annua callus for inhibiting stemâ€end bacteria in cut carnation flowers. IET Nanobiotechnology, 2017, 11, 185-192.	3.8	12
49	Glaucocalyxin A and B-induced Cell Death is Related to GSH Perturbation in Human Leukemia HL-60 Cells. Anti-Cancer Agents in Medicinal Chemistry, 2013, 13, 1280-1290.	1.7	12
50	Antifungal Properties of Ag-SiO₂ Core-Shell Nanoparticles against Phytopathogenic Fungi. Advanced Materials Research, 0, 476-478, 814-818.	0.3	11
51	Deciphering transcriptome profiles of tetraploid Artemisia annua plants with high artemisinin content. Plant Physiology and Biochemistry, 2018, 130, 112-126.	5.8	11
52	Biotransformation of artemisinic acid to bioactive derivatives by endophytic Penicillium oxalicum B4 from Artemisia annua L.. Phytochemistry, 2021, 185, 112682.	2.9	11
53	Stimulation of tanshinone production in Salvia miltiorrhiza hairy roots by Î² -cyclodextrin-coated silver nanoparticles. Sustainable Chemistry and Pharmacy, 2020, 18, 100271.	3.3	10
54	The signaling role of extracellular ATP in co-culture of Shiraia sp. S9 and Pseudomonas fulva SB1 for enhancing hypocrellin A production. Microbial Cell Factories, 2021, 20, 144.	4.0	10

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55	Endophytes in Artemisia annua L.: new potential regulators for plant growth and artemisinin biosynthesis. Plant Growth Regulation, 2021, 95, 293-313.	3.4	10
56	Glucose-6-phosphate dehydrogenase plays critical role in artemisinin production of Artemisia annua under salt stress. Biologia Plantarum, 2017, 61, 529-539.	1.9	9
57	Glaucocalyxin A and B Regulate Growth and Induce Oxidative Stress in Lettuce (Lactuca sativa L.) Roots. Journal of Plant Growth Regulation, 2014, 33, 384-396.	5.1	8
58	Cytoprotective role of nitric oxide in HepG2 cell apoptosis induced by hypocrellin B photodynamic treatment. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 366-373.	3.8	7
59	Molecular characterization of an elicitor-responsive 3-hydroxy-3-methylglutaryl coenzyme A reductase gene involved in oleanolic acid production in cell cultures of Achyranthes bidentata. Plant Growth Regulation, 2017, 81, 335-343.	3.4	7
60	Effect of down-regulating 1-deoxy-d-xylulose-5-phosphate reductoisomerase by RNAi on growth and artemisinin biosynthesis in Artemisia annua L.. Plant Growth Regulation, 2018, 84, 549-559.	3.4	7
61	GS-2, a pyrazolo[1,5-a]indole derivative with inhibitory activity of topoisomerases, exerts its potent cytotoxic activity by ROS generation. Environmental Toxicology and Pharmacology, 2013, 36, 1186-1196.	4.0	5
62	Comparative Transcriptome Analysis Identifies Genes Putatively Involved in 20-Hydroxyecdysone Biosynthesis in Cyanotis arachnoidea. International Journal of Molecular Sciences, 2018, 19, 1885.	4.1	4
63	Adding bamboo charcoal powder to Shiraia bambusicola preculture improves hypocrellin A production. Sustainable Chemistry and Pharmacy, 2019, 14, 100191.	3.3	4
64	Lanthanum: A novel inducer for enhancement of fungal laccase production by Shiraia bambusicola. Journal of Rare Earths, 2022, 40, 508-516.	4.8	4
65	Stimulation of taxane production in suspension cultures of Taxus yunnanensis by oligogalacturonides. African Journal of Biotechnology, 2008, 7, 1924-1926.	0.6	3
66	Cloning and characterization of an expansin gene AbEXP from Achyranthes bidentata. Plant Growth Regulation, 2017, 83, 479-487.	3.4	3
67	Effects of Blue Light on Hypocrellin A Production in Shiraia Mycelium Cultures. Photochemistry and Photobiology, 2022, 98, 1343-1354.	2.5	2
68	Research on Obstacle Avoidance Strategy and Method of UR Manipulator. , 2021, , .		1
69	A method for analyzing abnormality of automobile sunroof manufacturing process by using Bayesian method. , 2020, , .		1
70	A proposed measurement method for void fraction in lubricant oil based on the image processing technique. Review of Scientific Instruments, 2008, 79, 023101.	1.3	0
71	Vibratory behaviors of Jeffcott system on cylindrical roller bearings. Frontiers of Mechanical Engineering in China, 2009, 4, 305.	0.4	0
72	Research on Machining Archimedes Worm by Internal Whirlwind Milling. , 2021, , .		0