

Kee-Yoeup Paek

List of Publications by Year in descending order

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169
papers

8,312
citations

38742

50
h-index

58581

82
g-index

173
all docs

173
docs citations

173
times ranked

5560
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of secondary metabolites from cell and organ cultures: strategies and approaches for biomass improvement and metabolite accumulation. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 1-16.	2.3	468
2	Effects of LEDs on net photosynthetic rate, growth and leaf stomata of chrysanthemum plantlets in vitro. <i>Scientia Horticulturae</i> , 2004, 101, 143-151.	3.6	348
3	Methyl jasmonate and salicylic acid elicitation induces ginsenosides accumulation, enzymatic and non-enzymatic antioxidant in suspension culture <i>Panax ginseng</i> roots in bioreactors. <i>Plant Cell Reports</i> , 2006, 25, 613-620.	5.6	194
4	Jasmonic acid improves ginsenoside accumulation in adventitious root culture of <i>Panax ginseng</i> C.A. Meyer. <i>Biochemical Engineering Journal</i> , 2002, 11, 211-215.	3.6	187
5	Phenolics metabolism and lignin synthesis in root suspension cultures of <i>Panax ginseng</i> in response to copper stress. <i>Plant Science</i> , 2006, 171, 147-154.	3.6	187
6	Effects of temperature on oxidative stress defense systems, lipid peroxidation and lipoxygenase activity in <i>Phalaenopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2005, 43, 213-223.	5.8	178
7	The effect of light quality on the growth and development of in vitro cultured <i>Doritaenopsis</i> plants. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 339-343.	2.1	172
8	Ginsenoside production by hairy root cultures of <i>Panax ginseng</i> : influence of temperature and light quality. <i>Biochemical Engineering Journal</i> , 2005, 23, 53-56.	3.6	168
9	Production of adventitious roots and secondary metabolites by <i>Hypericum perforatum</i> L. in a bioreactor. <i>Bioresource Technology</i> , 2010, 101, 4708-4716.	9.6	166
10	Production of biomass and useful compounds from adventitious roots of high-value added medicinal plants using bioreactor. <i>Biotechnology Advances</i> , 2012, 30, 1255-1267.	11.7	160
11	Optimization of culturing conditions for the production of biomass and phenolics from adventitious roots of <i>Echinacea angustifolia</i> . <i>Journal of Plant Biology</i> , 2006, 49, 193-199.	2.1	151
12	Copper toxicity in <i>Withania somnifera</i> : Growth and antioxidant enzymes responses of in vitro grown plants. <i>Environmental and Experimental Botany</i> , 2008, 64, 279-285.	4.2	150
13	Methyl Jasmonate and Salicylic Acid Induced Oxidative Stress and Accumulation of Phenolics in <i>Panax ginseng</i> Bioreactor Root Suspension Cultures. <i>Molecules</i> , 2007, 12, 607-621.	3.8	148
14	Sucrose-induced osmotic stress affects biomass, metabolite, and antioxidant levels in root suspension cultures of <i>Hypericum perforatum</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 103, 7-14.	2.3	146
15	Adventitious root growth and ginsenoside accumulation in <i>Panax ginseng</i> cultures as affected by methyl jasmonate. <i>Biotechnology Letters</i> , 2004, 26, 1619-1622.	2.2	142
16	Photon flux density and light quality induce changes in growth, stomatal development, photosynthesis and transpiration of <i>Withania Somnifera</i> (L.) Dunal. plantlets. <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 90, 141-151.	2.3	138
17	Effects of light emitting diodes (LEDs) on the in vitro induction and growth of bulblets of <i>Lilium oriental hybrid</i> "Pesaro". <i>Scientia Horticulturae</i> , 2002, 94, 365-370.	3.6	120
18	Effects of light intensities on antioxidant enzymes and malondialdehyde content during short-term acclimatization on micropropagated <i>Phalaenopsis</i> plantlet. <i>Environmental and Experimental Botany</i> , 2005, 54, 109-120.	4.2	117

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19	Application of bioreactors for large-scale micropropagation systems of plants. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2001, 37, 149-157.	2.1	109
20	Adventitious Roots and Secondary Metabolism. <i>Shengwu Gongcheng Xuebao/Chinese Journal of Biotechnology</i> , 2008, 24, 711-716.	0.2	106
21	Enhanced tolerance of transgenic sweetpotato plants that express both CuZnSOD and APX in chloroplasts to methyl viologen-mediated oxidative stress and chilling. <i>Molecular Breeding</i> , 2007, 19, 227-239.	2.1	101
22	Effects of oxygen, carbon dioxide and ethylene on growth and bioactive compound production in bioreactor culture of ginseng adventitious roots. <i>Biochemical Engineering Journal</i> , 2006, 27, 252-263.	3.6	90
23	Parameters affecting the extraction of ginsenosides from the adventitious roots of ginseng (<i>Panax</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	7.9	90
24	Large-scale cultivation of adventitious roots of <i>Echinacea purpurea</i> in airlift bioreactors for the production of chichoric acid, chlorogenic acid and caftaric acid. <i>Biotechnology Letters</i> , 2007, 29, 1179-1182.	2.2	89
25	Ginsenosides: prospective for sustainable biotechnological production. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6243-6254.	3.6	88
26	Improvement of ginsenoside production by jasmonic acid and some other elicitors in hairy root culture of ginseng (<i>Panax ginseng</i> C. A. Meyer). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2000, 36, 424-428.	2.1	83
27	Medium salt strength induced changes in growth, physiology and secondary metabolite content in adventitious roots of <i>Morinda citrifolia</i> : the role of antioxidant enzymes and phenylalanine ammonia lyase. <i>Plant Cell Reports</i> , 2010, 29, 685-694.	5.6	82
28	Function of nitric oxide and superoxide anion in the adventitious root development and antioxidant defence in <i>Panax ginseng</i> . <i>Plant Cell Reports</i> , 2008, 27, 563-573.	5.6	80
29	Modulation of copper toxicity-induced oxidative damage by nitric oxide supply in the adventitious roots of <i>Panax ginseng</i> . <i>Plant Cell Reports</i> , 2007, 27, 171-181.	5.6	77
30	Application of an airlift bioreactor system for the production of adventitious root biomass and caffeic acid derivatives of <i>Echinacea purpurea</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 91-98.	2.6	76
31	Sucrose regulated enhanced induction of anthraquinone, phenolics, flavonoids biosynthesis and activities of antioxidant enzymes in adventitious root suspension cultures of <i>Morinda citrifolia</i> (L.). <i>Acta Physiologiae Plantarum</i> , 2012, 34, 405-415.	2.1	75
32	Differential responses of anti-oxidants enzymes, lipoxygenase activity, ascorbate content and the production of saponins in tissue cultured root of mountain <i>Panax ginseng</i> C.A. Mayer and <i>Panax quinquefolium</i> L. in bioreactor subjected to methyl jasmonate stress. <i>Plant Science</i> , 2005, 169, 83-92.	3.6	72
33	Photosynthetic pigments, morphology and leaf gas exchange during ex vitro acclimatization of micropropagated <i>Camelina sativa</i> plantlets under relative humidity and air temperature. <i>Environmental and Experimental Botany</i> , 2006, 55, 183-194.	4.2	70
34	Induction mechanism of adventitious root from leaf explants of <i>Morinda citrifolia</i> as affected by auxin and light quality. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2010, 46, 71-80.	2.1	69
35	Rapid propagation of <i>Phalaenopsis</i> from floral stalk-derived leaves. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2002, 38, 168-172.	2.1	68
36	In vitro sucrose concentration affects growth and acclimatization of <i>Alocasia amazonica</i> plantlets. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 96, 307-315.	2.3	65

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37	Tools for biotechnological production of useful phytochemicals from adventitious root cultures. <i>Phytochemistry Reviews</i> , 2016, 15, 129-145.	6.5	65
38	Production of adventitious root biomass and secondary metabolites of <i>Hypericum perforatum</i> L. in a balloon type airlift reactor. <i>Bioresource Technology</i> , 2011, 102, 10072-10079.	9.6	63
39	Scale-up of adventitious root cultures of <i>Echinacea angustifolia</i> in a pilot-scale bioreactor for the production of biomass and caffeic acid derivatives. <i>Plant Biotechnology Reports</i> , 2013, 7, 297-308.	1.5	63
40	Combined effects of phytohormone, indole-3-butyric acid, and methyl jasmonate on root growth and ginsenoside production in adventitious root cultures of <i>Panax ginseng</i> C.A. Meyer. <i>Biotechnology Letters</i> , 2007, 29, 1789-1792.	2.2	62
41	Improvement of biosynthesis and accumulation of bioactive compounds by elicitation in adventitious root cultures of <i>Polygonum multiflorum</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 199-209.	3.6	62
42	Copper-induced changes in the growth, oxidative metabolism, and saponin production in suspension culture roots of <i>Panax ginseng</i> in bioreactors. <i>Plant Cell Reports</i> , 2006, 25, 1122-1132.	5.6	61
43	Growth, secondary metabolite production and antioxidant enzyme response of <i>Morinda citrifolia</i> adventitious root as affected by auxin and cytokinin. <i>Plant Biotechnology Reports</i> , 2010, 4, 109-116.	1.5	60
44	Enhancement strategies of bioactive compound production in adventitious root cultures of <i>Eleutherococcus koreanum</i> Nakai subjected to methyl jasmonate and salicylic acid elicitation through airlift bioreactors. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 1-10.	2.3	60
45	Effect of temperature on secondary metabolites production and antioxidant enzyme activities in <i>Eleutherococcus senticosus</i> somatic embryos. <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 85, 219-228.	2.3	56
46	Effects of tissue-cultured mountain ginseng (<i>Panax ginseng</i> CA Meyer) extract on male patients with erectile dysfunction. <i>Asian Journal of Andrology</i> , 2009, 11, 356-361.	1.6	56
47	Improved production of caffeic acid derivatives in suspension cultures of <i>Echinacea purpurea</i> by medium replenishment strategy. <i>Archives of Pharmacal Research</i> , 2007, 30, 945-949.	6.3	54
48	Lateral root development and saponin accumulation as affected by IBA or NAA in adventitious root cultures of <i>Panax ginseng</i> C.A. Meyer. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2003, 39, 245-249.	2.1	53
49	Nitric Oxide Elicitation Induces the Accumulation of Secondary Metabolites and Antioxidant Defense in Adventitious Roots of <i>Echinacea purpurea</i> . <i>Journal of Plant Biology</i> , 2007, 50, 636-643.	2.1	53
50	Transgenic peppers that are highly tolerant to a new CMV pathotype. <i>Plant Cell Reports</i> , 2009, 28, 223-232.	5.6	53
51	Effect of polyploidy induction on biomass and ginsenoside accumulations in adventitious roots of ginseng. <i>Journal of Plant Biology</i> , 2004, 47, 356-360.	2.1	50
52	Effect of oxygen supply on cell growth and saponin production in bioreactor cultures of <i>Panax ginseng</i> . <i>Journal of Plant Physiology</i> , 2006, 163, 1337-1341.	3.5	48
53	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2000, 62, 219-226.	2.3	47
54	Enhanced production of caffeic acid, chlorogenic acid and cichoric acid in suspension cultures of <i>Echinacea purpurea</i> by the manipulation of incubation temperature and photoperiod. <i>Biochemical Engineering Journal</i> , 2007, 36, 301-303.	3.6	47

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55	Involvement of nitric oxide-induced NADPH oxidase in adventitious root growth and antioxidant defense in <i>Panax ginseng</i> . <i>Plant Biotechnology Reports</i> , 2008, 2, 113-122.	1.5	47
56	Salicylic Acid-induced Nitric Oxide and ROS Generation Stimulate Ginsenoside Accumulation in <i>Panax ginseng</i> Roots. <i>Journal of Plant Growth Regulation</i> , 2011, 30, 396-404.	5.1	47
57	Hypericins: biotechnological production from cell and organ cultures. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9187-9198.	3.6	47
58	Physiological effects of Na ₂ SO ₄ and NaCl on callus cultures of <i>Brassica campestris</i> (Chinese) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	5.2	46
59	Biotechnological production of caffeic acid derivatives from cell and organ cultures of <i>Echinacea</i> species. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7707-7717.	3.6	46
60	The effects of 1-naphthaleneacetic acid and N ⁶ -benzyladenine on the growth of <i>Cymbidium forrestii</i> rhizomes in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 1991, 24, 65-71.	2.3	45
61	CO ₂ -induced total phenolics in suspension cultures of <i>Panax ginseng</i> C. A. Mayer roots: role of antioxidants and enzymes. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 449-457.	5.8	45
62	Adventitious root suspension cultures of <i>Hypericum perforatum</i> : effect of nitrogen source on production of biomass and secondary metabolites. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2010, 46, 437-444.	2.1	45
63	Title is missing!. <i>Plant Growth Regulation</i> , 2003, 40, 7-10.	3.4	44
64	Mass production of <i>Eleutherococcus koreanum</i> plantlets via somatic embryogenesis from root cultures and accumulation of eleutherosides in regenerants. <i>Plant Science</i> , 2005, 168, 1221-1225.	3.6	43
65	The safety assessment of food ingredients derived from plant cell, tissue and organ cultures: A review. <i>Food Chemistry</i> , 2015, 176, 426-432.	8.2	42
66	Enhancement of phenylpropanoid enzymes and lignin in <i>Phalaenopsis</i> orchid and their influence on plant acclimatisation at different levels of photosynthetic photon flux. <i>Plant Growth Regulation</i> , 2006, 49, 137-146.	3.4	41
67	Improved production of ginsenosides in suspension cultures of ginseng by medium replenishment strategy. <i>Journal of Bioscience and Bioengineering</i> , 2008, 105, 288-291.	2.2	41
68	Hepatoprotective activity of ginsenosides from <i>Panax ginseng</i> adventitious roots against carbon tetrachloride treated hepatic injury in rats. <i>Journal of Ethnopharmacology</i> , 2014, 158, 442-446.	4.1	41
69	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2000, 61, 135-142.	2.3	40
70	Production of biomass and bioactive compounds from adventitious roots by optimization of culturing conditions of <i>Eurycoma longifolia</i> in balloon-type bubble bioreactor system. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 712-717.	2.2	40
71	Aeration volume and photosynthetic photon flux affect cell growth and secondary metabolite contents in bioreactor cultures of <i>Morinda citrifolia</i> . <i>Journal of Plant Biology</i> , 2008, 51, 209-212.	2.1	39
72	Adventitious root culture of <i>Polygonum multiflorum</i> for phenolic compounds and its pilot-scale production in 500ÅL-tank. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 130, 167-181.	2.3	39

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73	Production of biomass and bioactive compounds in protocorm cultures of <i>Dendrobium candidum</i> Wall ex Lindl. using balloon type bubble bioreactors. <i>Industrial Crops and Products</i> , 2014, 53, 28-33.	5.2	38
74	Establishment of adventitious root co-culture of Ginseng and Echinacea for the production of secondary metabolites. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 891-896.	2.1	35
75	Efficacy of ginseng adventitious root extract on hyperglycemia in streptozotocin-induced diabetic rats. <i>Journal of Ethnopharmacology</i> , 2014, 153, 917-921.	4.1	35
76	Nitric oxide retards xanthine oxidase-mediated superoxide anion generation in <i>Phalaenopsis</i> flower: an implication of NO in the senescence and oxidative stress regulation. <i>Plant Cell Reports</i> , 2009, 28, 267-279.	5.6	34
77	Quality, safety and efficacy profiling of ginseng adventitious roots produced in vitro. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 7309-7317.	3.6	34
78	Growth of <i>Lilium Oriental Hybrid "Casablanca"</i> ™ bulblet using bioreactor culture. <i>Scientia Horticulturae</i> , 2003, 97, 41-48.	3.6	33
79	Production of biomass and bioactive compounds by adventitious root suspension cultures of <i>Morinda citrifolia</i> (L.) in a liquid-phase airlift balloon-type bioreactor. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 737-749.	2.1	33
80	Pilot-Scale Culture of <i>Hypericum Perforatum</i> L. Adventitious Roots in Airlift Bioreactors for the Production of Bioactive Compounds. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 784-792.	2.9	33
81	Endoreduplication in <i>Phalaenopsis</i> is affected by light quality from light-emitting diodes during somatic embryogenesis. <i>Plant Biotechnology Reports</i> , 2010, 4, 303-309.	1.5	32
82	Optimization of ginseng cell culture in airlift bioreactors and developing the large-scale production system. <i>Industrial Crops and Products</i> , 2014, 60, 343-348.	5.2	32
83	Title is missing!. <i>Plant Growth Regulation</i> , 2003, 39, 187-193.	3.4	31
84	Effects of photon flux density on the morphology, photosynthesis and growth of a CAM orchid, <i>Doritaenopsis</i> during post-micropropagation acclimatization. <i>Plant Growth Regulation</i> , 2005, 45, 139-147.	3.4	31
85	Linoleic and \pm -linolenic fatty acids affect biomass and secondary metabolite production and nutritive properties of <i>Panax ginseng</i> adventitious roots cultured in bioreactors. <i>Biochemical Engineering Journal</i> , 2009, 47, 109-115.	3.6	31
86	Enhanced productivity of biomass and bioactive compounds through bioreactor cultures of <i>Eleutherococcus koreanum</i> Nakai adventitious roots affected by medium salt strength. <i>Industrial Crops and Products</i> , 2012, 36, 460-465.	5.2	31
87	Influence of inoculum density and aeration volume on biomass and bioactive compound production in bulb-type bubble bioreactor cultures of <i>Eleutherococcus koreanum</i> Nakai. <i>Bioresource Technology</i> , 2011, 102, 7165-7170.	9.6	30
88	An efficient strategy for enhancement of bioactive compounds by protocorm-like body culture of <i>Dendrobium candidum</i> . <i>Industrial Crops and Products</i> , 2016, 84, 121-130.	5.2	30
89	Cytokinins, auxins and activated charcoal affect organogenesis and anatomical characteristics of shoot-tip cultures of lisianthus [<i>Eustoma grandiflorum</i> (RAF.) Shinn]. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2000, 36, 128-132.	2.1	29
90	Effect of drought on physiological aspects of Crassulacean acid metabolism in <i>Doritaenopsis</i> . <i>Plant Science</i> , 2004, 167, 1219-1226.	3.6	29

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91	Sugar metabolism, photosynthesis, and growth of in vitro plantlets of <i>Doritaenopsis</i> under controlled microenvironmental conditions. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 445-454.	2.1	29
92	Increased eleutheroside production in <i>Eleutherococcus sessiliflorus</i> embryogenic suspension cultures with methyl jasmonate treatment. <i>Biochemical Engineering Journal</i> , 2008, 38, 270-273.	3.6	28
93	Micropropagation of <i>Phalaenopsis</i> Orchids via Protocorms and Protocorm-Like Bodies. <i>Methods in Molecular Biology</i> , 2011, 710, 293-306.	0.9	28
94	A simple method for cryopreservation of <i>Ginkgo biloba</i> callus. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 97, 337-343.	2.3	27
95	Ginsenoside accumulation profiles in long- and short-term cell suspension and adventitious root cultures in <i>Panax ginseng</i> . <i>Horticulture Environment and Biotechnology</i> , 2019, 60, 125-134.	2.1	27
96	Strategies for Enhanced Production of Plant Secondary Metabolites from Cell and Organ Cultures. , 2014, , 471-508.		27
97	Studies on the glyphosate-induced amino acid starvation and addition of precursors on caffeic acid accumulation and profiles in adventitious roots of <i>Echinacea purpurea</i> (L.) Moench. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 291-301.	2.3	26
98	Biotic elicitation of ginsenoside metabolism of mutant adventitious root culture in <i>Panax ginseng</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1687-1697.	3.6	26
99	Multiplication of <i>Chrysanthemum</i> shoots in bioreactors as affected by culture method and inoculation density of single node stems. <i>Plant Cell, Tissue and Organ Culture</i> , 2005, 81, 301-306.	2.3	25
100	Effect of photoperiod and light intensity on in vitro propagation of <i>Alocasia amazonica</i> . <i>Plant Biotechnology Reports</i> , 2008, 2, 207-212.	1.5	25
101	Effect of nitrogen source on biomass and bioactive compound production in submerged cultures of <i>Eleutherococcus koreanum</i> nakai adventitious roots. <i>Biotechnology Progress</i> , 2012, 28, 508-514.	2.6	25
102	Culture method and photosynthetic photon flux affect photosynthesis, growth and survival of <i>Limonium</i> "Misty Blue"™ in vitro. <i>Scientia Horticulturae</i> , 2002, 95, 239-249.	3.6	24
103	Genotypic variation and aging effects on the embryogenic capability of <i>Kalopanax septemlobus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 105, 265-270.	2.3	24
104	Anti-inflammatory potential of saponins derived from cultured wild ginseng roots in lipopolysaccharide-stimulated RAW 264.7 macrophages. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1690-1698.	4.0	22
105	Induction in the antioxidative systems and lipid peroxidation in suspension culture roots of <i>Panax ginseng</i> induced by oxygen in bioreactors. <i>Plant Science</i> , 2005, 169, 833-841.	3.6	21
106	Effect of processing methods on the concentrations of bioactive components of ginseng (<i>Panax</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	3.2	21
107	Isolation and characterization of the FVE gene of a <i>Doritaenopsis</i> hybrid involved in the regulation of flowering. <i>Plant Growth Regulation</i> , 2012, 68, 77-86.	3.4	21
108	The Cold Awakening of <i>Doritaenopsis</i> "Tinny Tender"™ Orchid Flowers: The Role of Leaves in Cold-induced Bud Dormancy Release. <i>Journal of Plant Growth Regulation</i> , 2012, 31, 139-155.	5.1	21

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109	Physiological and biochemical changes during acclimatization in a <i>Doritaenopsis</i> hybrid cultivated in different microenvironments in vitro. <i>Environmental and Experimental Botany</i> , 2014, 100, 26-33.	4.2	21
110	Production of biomass and bioactive compounds from shoot cultures of <i>Rosa rugosa</i> using a bioreactor culture system. <i>Horticulture Environment and Biotechnology</i> , 2016, 57, 79-87.	2.1	21
111	Methyl jasmonate induced overproduction of eleutherosides in somatic embryos of <i>Eleutherococcus senticosus</i> cultured in bioreactors. <i>Electronic Journal of Biotechnology</i> , 2007, 10, 0-0.	2.2	21
112	Effects of altering medium strength and sucrose concentration on <i>in vitro</i> germination and seedling growth of <i>Cypripedium macranthos</i> Sw.. <i>Journal of Plant Biotechnology</i> , 2016, 43, 132-137.	0.4	21
113	High photosynthetic photon flux and high CO ₂ concentration under increased number of air exchanges promote growth and photosynthesis of four kinds of orchid plantlets in vitro. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2001, 37, 678-682.	2.1	20
114	Impact of in vitro CO ₂ enrichment and sugar deprivation on acclimatory responses of <i>Phalaenopsis</i> plantlets to ex vitro conditions. <i>Environmental and Experimental Botany</i> , 2009, 65, 183-188.	4.2	20
115	Pilot-scale culture of somatic embryos of <i>Eleutherococcus senticosus</i> in airlift bioreactors for the production of eleutherosides. <i>Biotechnology Letters</i> , 2014, 36, 1727-1733.	2.2	20
116	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2003, 75, 57-62.	2.3	19
117	Cryopreservation of <i>Panax ginseng</i> Adventitious Roots. <i>Journal of Plant Biology</i> , 2009, 52, 348-354.	2.1	19
118	Biotechnological production of eleutherosides: current state and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7319-7329.	3.6	19
119	Micropropagation of <i>Cattleya</i> : Improved in vitro rooting and acclimatization. <i>Horticulture Environment and Biotechnology</i> , 2015, 56, 89-93.	2.1	17
120	Establishment of protocorm suspension cultures of <i>Dendrobium candidum</i> for the production of bioactive compounds. <i>Horticulture Environment and Biotechnology</i> , 2015, 56, 114-122.	2.1	17
121	In vitro rooting of leguminous plants: Difficulties, alternatives, and strategies for improvement. <i>Horticulture Environment and Biotechnology</i> , 2016, 57, 311-322.	2.1	17
122	Improvement of asymbiotic seed germination and seedling development of <i>Cypripedium macranthos</i> Sw. with organic additives. <i>Journal of Plant Biotechnology</i> , 2016, 43, 138-145.	0.4	17
123	Influence of GA ₃ , sucrose and solid medium/bioreactor culture on in vitro flowering of <i>Spathiphyllum</i> and association of glutathione metabolism. <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 90, 225-235.	2.3	16
124	Cryopreservation of coriander (<i>Coriandrum sativum</i> L.) somatic embryos using sucrose preculture and air desiccation. <i>Scientia Horticulturae</i> , 2010, 124, 522-528.	3.6	16
125	Isolation of xanthenes from adventitious roots of St. John's Wort (<i>Hypericum perforatum</i> L.) and their antioxidant and cytotoxic activities. <i>Food Science and Biotechnology</i> , 2013, 22, 945-949.	2.6	15
126	Comparison of conventional and ultrasound-assisted methods for extraction of nutraceutical compounds from <i>Dendrobium candidum</i> . <i>CYTA - Journal of Food</i> , 2014, 12, 355-359.	1.9	15

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127	Protocorm culture of <i>Dendrobium candidum</i> in balloon type bubble bioreactors. <i>Biochemical Engineering Journal</i> , 2014, 88, 26-29.	3.6	15
128	Bioreactor Culture of Shoots and Somatic Embryos of Medicinal Plants for Production of Bioactive Compounds. , 2014, , 337-368.		15
129	Effect of carbon dioxide on antioxidant enzymes and ginsenoside production in root suspension cultures of <i>Panax ginseng</i> . <i>Environmental and Experimental Botany</i> , 2008, 63, 297-304.	4.2	14
130	FISH and GISH analysis of the genomic relationships among <i>Panax</i> species. <i>Genes and Genomics</i> , 2009, 31, 99-105.	1.4	14
131	Protective role of <i>Panax ginseng</i> extract on lipid peroxidation and antioxidant status in polyethylene glycol induced <i>Spathiphyllum</i> leaves. <i>Biochemical Engineering Journal</i> , 2006, 32, 143-148.	3.6	13
132	Detection of transgene in early developmental stage by GFP monitoring enhances the efficiency of genetic transformation of pepper. <i>Plant Biotechnology Reports</i> , 2011, 5, 157-167.	1.5	13
133	Attributes of <i>Polygonum multiflorum</i> to transfigure red biotechnology. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 3317-3326.	3.6	13
134	Low dose gamma radiation increases the biomass and ginsenoside content of callus and adventitious root cultures of wild ginseng (<i>Panax ginseng</i> Mayer). <i>Industrial Crops and Products</i> , 2019, 130, 16-24.	5.2	13
135	Drought effect on electrophoretic protein pattern of <i>Anoectochilus formosanus</i> . <i>Scientia Horticulturae</i> , 2006, 107, 205-209.	3.6	12
136	Osmotic stress and strong 2,4-D shock stimulate somatic-to-embryogenic transition in <i>Kalopanax septemlobus</i> (Thunb.) Koidz. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	12
137	Production of Ginsenosides from Adventitious Root Cultures of <i>Panax ginseng</i> . , 2014, , 625-651.		12
138	Production of biomass and bioactive compounds from adventitious root cultures of <i>Polygonum multiflorum</i> using air-lift bioreactors. <i>Journal of Plant Biotechnology</i> , 2015, 42, 34-42.	0.4	12
139	NF- κ B Inhibition and PPAR Activation by Phenolic Compounds from <i>Hypericum perforatum</i> L. Adventitious Root. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1407-1413.	1.9	11
140	Antioxidative responses of <i>Echinacea angustifolia</i> cultured roots to different levels of CO ₂ in bioreactor liquid cultures. <i>Enzyme and Microbial Technology</i> , 2006, 39, 982-990.	3.2	10
141	Establishment of Adventitious Root Cultures of <i>Echinacea purpurea</i> for the Production of Caffeic Acid Derivatives. <i>Methods in Molecular Biology</i> , 2009, 547, 3-16.	0.9	10
142	Biochemical and Physiological Aspects of Hyperhydricity in Liquid Culture System. , 2014, , 693-709.		10
143	Establishment of embryogenic cultures and determination of their bioactive properties in <i>Rosa rugosa</i> . <i>Horticulture Environment and Biotechnology</i> , 2016, 57, 291-298.	2.1	9
144	Highly endoreduplicated floral organs of somaclonal variants in clonally propagated <i>Phalaenopsis</i> "Spring Dancer". <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 126, 67-77.	2.3	9

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146	Airlift bioreactor system and nitrogen sources for biomass and antioxidant compound production from in vitro culture of <i>Vitis flexuosa</i> plantlets. <i>Horticulture Environment and Biotechnology</i> , 2015, 56, 358-365.	2.1	8
147	Breeding of <i>Garcinia</i> spp.. , 2018, , 773-809.		8
148	Ginseng Cell Culture for Production of Ginsenosides. , 2014, , 121-142.		8
149	<i>Panax ginseng</i> Adventitious Root Suspension Culture: Protocol for Biomass Production and Analysis of Ginsenosides by High Pressure Liquid Chromatography. <i>Methods in Molecular Biology</i> , 2016, 1391, 125-139.	0.9	7
150	Longevity and quality of cut "Master"™ carnation and "Red Sandra"™ rose flowers as affected by red light. <i>Plant Growth Regulation</i> , 2004, 42, 169-174.	3.4	6
151	Micropropagation of <i>Raphanus sativus</i> L. var. <i>longipinnatus</i> (Japanese radish) cv. Gungjung. <i>Plant Cell, Tissue and Organ Culture</i> , 1987, 9, 159-165.	2.3	5
152	A strategy for enrichment of the bioactive sphingoid base-1-phosphates produced by <i>Hypericum perforatum</i> L. in a balloon type airlift reactor. <i>Bioresource Technology</i> , 2012, 123, 284-289.	9.6	5
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158	Production of Adventitious Root Biomass and Bioactive Compounds from <i>Hypericum perforatum</i> L. Through Large Scale Bioreactor Cultures. , 2014, , 251-283.		4
159	Analysis of genetic diversity among Indian niger [<i>Guizotia abyssinica</i> (L. f.) Cass.] cultivars based on randomly amplified polymorphic DNA markers. <i>Electronic Journal of Biotechnology</i> , 2008, 11, 0-0.	2.2	4
160	Production of Bioactive Compounds from Somatic Embryo Suspension Cultures of Siberian Ginseng in Bioreactors. , 2014, , 317-335.		3
161	Endoreduplication and gene expression in somaclonal variants of clonally propagated <i>Phalaenopsis</i> "Wedding Promenade"™. <i>Horticulture Environment and Biotechnology</i> , 2017, 58, 85-92.	2.1	3
162	Production of Caffeic Acid Derivatives from Adventitious Root Cultures of <i>Echinacea purpurea</i> (L.) Moench. , 2014, , 167-184.		3

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164	Plant Cell and Organ Culture as an Alternative for the Production of Anticancer Compounds. , 2018, , 429-464.		2
165	Optimization of shoot cultures and bioactive compound accumulation in <i>Rosa rugosa</i> during acclimatization. <i>Journal of Plant Biotechnology</i> , 2016, 43, 104-109.	0.4	2
166	Role of Nitric Oxide in Adventitious Root Development. , 2014, , 429-443.		1
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