Jian-Jiang Zhong

List of Publications by Year
in descending order

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271 papers	11,192 citations	26630 56 h-index	51608 86 g-index
295 all docs	295 docs citations	295 times ranked	8253 citing authors

#	Article	IF	Citations
1	CO2 biofixation and fatty acid composition of Scenedesmus obliquus and Chlorella pyrenoidosa in response to different CO2 levels. Bioresource Technology, 2011, 102, 3071-3076.	9.6	640
2	Ganoderic acid T from Ganoderma lucidum mycelia induces mitochondria mediated apoptosis in lung cancer cells. Life Sciences, 2006, 80, 205-211.	4.3	214
3	Production of ginseng and its bioactive components in plant cell culture: Current technological and applied aspects. Journal of Biotechnology, 1999, 68, 89-99.	3.8	191
4	Fed-batch fermentation of Ganoderma lucidum for hyperproduction of polysaccharide and ganoderic acid. Enzyme and Microbial Technology, 2002, 31, 20-28.	3.2	185
5	Effect of initial pH on production of ganoderic acid and polysaccharide by submerged fermentation of Ganoderma lucidum. Process Biochemistry, 2002, 37, 769-774.	3.7	182
6	Submerged fermentation of higher fungus Ganoderma lucidum for production of valuable bioactive metabolitesâ€”ganoderic acid and polysaccharide. Biochemical Engineering Journal, 2002, 10, 61-65.	3.6	160
7	Production of biomass and useful compounds from adventitious roots of high-value added medicinal plants using bioreactor. Biotechnology Advances, 2012, 30, 1255-1267.	11.7	160
8	Bioelectricity enhancement via overexpression of quorum sensing system in Pseudomonas aeruginosa-inoculated microbial fuel cells. Biosensors and Bioelectronics, 2011, 30, 87-92.	10.1	157
9	Optimization of carbon source and carbon/nitrogen ratio for cordycepin production by submerged cultivation of medicinal mushroom Cordyceps militaris. Process Biochemistry, 2005, 40, 1667-1672.	3.7	155
10	Effect of light irradiation on anthocyanin production by suspended culture ofPerilla frutescens. Biotechnology and Bioengineering, 1991, 38, 653-658.	3.3	151
11	Plant cell culture for production of paclitaxel and other taxanes. Journal of Bioscience and Bioengineering, 2002, 94, 591-599.	2.2	150
12	Biotechnological production and application of ganoderic acids. Applied Microbiology and Biotechnology, 2010, 87, 457-466.	3.6	138
13	Microalgal biofuels: Flexible bioenergies for sustainable development. Renewable and Sustainable Energy Reviews, 2014, 30, 1035-1046.	16.4	138
14	Role of oxygen supply in submerged fermentation of Ganoderma lucidum for production of Ganoderma polysaccharide and ganoderic acid. Enzyme and Microbial Technology, 2003, 32, 478-484.	3.2	129
15	Damage of Escherichia coli membrane by bactericidal agent polyhexamethylene guanidine hydrochloride: micrographic evidences. Journal of Applied Microbiology, 2010, 108, 898-907.	3.1	120
16	Direct biosynthesis of adipic acid from a synthetic pathway in recombinant Escherichia coli. Biotechnology and Bioengineering, 2014, 111, 2580-2586.	3.3	117
17	Hosting the plant cells in vitro: recent trends in bioreactors. Applied Microbiology and Biotechnology, 2013, 97, 3787-3800.	3.6	115
18	Enhancement of IL-2 and IFN-Î³ expression and NK cells activity involved in the anti-tumor effect of ganoderic acid Me in vivo. International Immunopharmacology, 2007, 7, 864-870.	3.8	113

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19	Secondary Metabolites from Higher Fungi: Discovery, Bioactivity, and Bioproduction. , 2009, 113, 79-150.		102
20	Two-Stage Culture Process for Improved Production of Ganoderic Acid by Liquid Fermentation of Higher Fungus Ganoderma lucidum. Biotechnology Progress, 2002, 18, 51-54.	2.6	101
21	Performance analyses of a pH-shift and DOT-shift integrated fed-batch fermentation process for the production of ganoderic acid and Ganoderma polysaccharides by medicinal mushroom Ganoderma lucidum. Bioresource Technology, 2009, 100, 1852-1859.	9.6	96
22	Ganoderic acid T inhibits tumor invasion in vitro and in vivo through inhibition of MMP expression. Pharmacological Reports, 2010, 62, 150-163.	3.3	96
23	Ganoderic Acid Me Inhibits Tumor Invasion Through Down-Regulating Matrix Metalloproteinases 2/9 Gene Expression. Journal of Pharmacological Sciences, 2008, 108, 212-216.	2.5	92
24	Enhancement of Ganoderic Acid Accumulation by Overexpression of an N-Terminally Truncated 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Gene in the Basidiomycete Ganoderma lucidum. Applied and Environmental Microbiology, 2012, 78, 7968-7976.	3.1	89
25	Towards efficient extraction of notoginseng saponins from cultured cells of Panax notoginseng. Biochemical Engineering Journal, 2004, 18, 115-120.	3.6	88
26	In SituBiodiesel Production from Fast-Growing and High Oil ContentChlorella pyrenoidosain Rice Straw Hydrolysate. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-8.	3.0	88
27	Production of individual ganoderic acids and expression of biosynthetic genes in liquid static and shaking cultures of Ganoderma lucidum. Applied Microbiology and Biotechnology, 2010, 85, 941-948.	3.6	83
28	Scale-up study on suspension cultures of Taxus chinensis cells for production of taxane diterpene. Enzyme and Microbial Technology, 2000, 27, 714-723.	3.2	82
29	Hyperproduction of Cordycepin by Two-Stage Dissolved Oxygen Control in Submerged Cultivation of Medicinal Mushroom Cordyceps militaris in Bioreactors. Biotechnology Progress, 2004, 20, 1408-1413.	2.6	82
30	CRISPR-Cas9 assisted gene disruption in the higher fungus Ganoderma species. Process Biochemistry, 2017, 56, 57-61.	3.7	82
31	Pulsed electric field stimulates plant secondary metabolism in suspension cultures ofTaxus chinensis. Biotechnology and Bioengineering, 2004, 88, 788-795.	3.3	81
32	A quantitative analysis of shear effects on cell suspension and cell culture ofperilla frutescens in bioreactors. Biotechnology and Bioengineering, 1994, 44, 649-654.	3.3	79
33	Impacts of calcium signal transduction on the fermentation production of antitumor ganoderic acids by medicinal mushroom Ganoderma lucidum. Biotechnology Advances, 2012, 30, 1301-1308.	11.7	79
34	Effects of plant growth regulators on cell growth and ginsenoside saponin production by suspension cultures of Panax quinquefolium. Journal of Biotechnology, 1996, 45, 227-234.	3.8	76
35	Biofuel production by in vitro synthetic enzymatic pathway biotransformation. Current Opinion in Biotechnology, 2010, 21, 663-669.	6.6	76
36	Phosphate effect on production of ginseng saponin and polysaccharide by cell suspension cultures of Panax ginseng and Panax quinquefolium. Process Biochemistry, 1998, 33, 69-74.	3.7	75

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37	Jasmonic acid mediates gene transcription of ginsenoside biosynthesis in cell cultures of Panax notoginseng treated with chemically synthesized 2-hydroxyethyl jasmonate. Process Biochemistry, 2008, 43, 113-118.	3.7	75
38	Enhancement of ginseng saponin production in suspension cultures of Panax notoginseng: manipulation of medium sucrose. Journal of Biotechnology, 1996, 51, 49-56.	3.8	74
39	Kinetics and key enzyme activities of phenanthrene degradation by Pseudomonas mendocina. Process Biochemistry, 2002, 37, 1431-1437.	3.7	73
40	Enhanced biosynthetic gene expressions and production of ganoderic acids in static liquid culture of Ganoderma lucidum under phenobarbital induction. Applied Microbiology and Biotechnology, 2010, 86, 1367-1374.	3.6	73
41	Manipulation of ginsenoside heterogeneity in cell cultures of Panax notoginseng by addition of jasmonates. Journal of Bioscience and Bioengineering, 2002, 93, 48-53.	2.2	72
42	Large Scale Culture of Ginseng Adventitious Roots for Production of Ginsenosides. , 2009, 113, 151-176.		72
43	Regulation of aromatics biodegradation by rhl quorum sensing system through induction of catechol meta-cleavage pathway. Bioresource Technology, 2013, 136, 761-765.	9.6	71
44	Significant improvement of taxane production in suspension cultures of Taxus chinensis by sucrose feeding strategy. Process Biochemistry, 1999, 35, 479-483.	3.7	68
45	Hyperproduction of ginseng saponin and polysaccharide by high density cultivation of Panax notoginseng cells. Enzyme and Microbial Technology, 1997, 21, 59-63.	3.2	66
46	Enhancement of anthocyanin production by Perilla frutescens cells in a stirred bioreactor with internal light irradiation. Journal of Bioscience and Bioengineering, 1993, 75, 299-303.	0.9	65
47	Significant improvement of taxane production in suspension cultures of Taxus chinensis by combining elicitation with sucrose feed. Biochemical Engineering Journal, 2001, 8, 145-150.	3.6	65
48	Novel chemically synthesized hydroxyl-containing jasmonates as powerful inducing signals for plant secondary metabolism. Biotechnology and Bioengineering, 2004, 86, 809-816.	3.3	65
49	Ganoderic acid Mf and S induce mitochondria mediated apoptosis in human cervical carcinoma HeLa cells. Phytomedicine, 2011, 18, 349-355.	5.3	65
50	Combined effects of initial sucrose concentration and inoculum size on cell growth and ginseng saponin production by suspension cultures of Panax ginseng. Process Biochemistry, 1999, 34, 639-642.	3.7	64
51	Significance of inoculation density control in production of polysaccharide and ganoderic acid by submerged culture of Ganoderma lucidum. Process Biochemistry, 2002, 37, 1375-1379.	3.7	64
52	Biochemical Engineering of the Production of Plant-Specific Secondary Metabolites by Cell Suspension Cultures. Advances in Biochemical Engineering/Biotechnology, 2001, 72, 1-26.	1.1	63
53	Significant effect of NH4+ on cordycepin production by submerged cultivation of medicinal mushroom Cordyceps militaris. Enzyme and Microbial Technology, 2006, 38, 343-350.	3.2	60
54	Polysaccharides from the Medicinal MushroomCordyceps taiiShow Antioxidant and Immunoenhancing Activities in aD-Galactose-Induced Aging Mouse Model. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-15.	1.2	60

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55	High-density cultivation of Perilla frutescens cell suspensions for anthocyanin production: Effects of sucrose concentration and inoculum size. Enzyme and Microbial Technology, 1995, 17, 1073-1079.	3.2	59
56	Effects of nitrogen source on the production of ginseng saponin and polysaccharide by cell cultures of Panax quinquefolium. Process Biochemistry, 1998, 33, 671-675.	3.7	59
57	Submerged Cultivation of Medicinal Mushrooms for Production of Valuable Bioactive Metabolites. Advances in Biochemical Engineering/Biotechnology, 2004, 87, 25-59.	1.1	59
58	Enhanced production of ganoderic acids in static liquid culture of Ganoderma lucidum under nitrogen-limiting conditions. Bioresource Technology, 2011, 102, 8185-8190.	9.6	58
59	Enhanced production of validamycin A by H2O2-induced reactive oxygen species in fermentation of Streptomyces hygroscopicus 5008. Bioresource Technology, 2011, 102, 1783-1787.	9.6	58
60	CRISPR-Cas9 assisted functional gene editing in the mushroom Ganoderma lucidum. Applied Microbiology and Biotechnology, 2020, 104, 1661-1671.	3.6	58
61	Recent advances in bioreactor engineering. Korean Journal of Chemical Engineering, 2010, 27, 1035-1041.	2.7	57
62	Extensive in vitro activity of guanidine hydrochloride polymer analogs against antibiotics-resistant clinically isolated strains. Materials Science and Engineering C, 2011, 31, 1836-1843.	7.3	57
63	Production of Useful Terpenoids by Higher-Fungus Cell Factory and Synthetic Biology Approaches. Trends in Biotechnology, 2016, 34, 242-255.	9.3	57
64	Effect of Nitrogen Source on Cell Growth and Production of Ginseng Saponin and Polysaccharide in Suspension Cultures of Panax notoginseng. Biotechnology Progress, 1996, 12, 567-571.	2.6	56
65	Title is missing!. Biotechnology Letters, 2002, 24, 1023-1026.	2.2	56
66	Enhancement of cordycepin production in submerged cultures of Cordyceps militaris by addition of ferrous sulfate. Biochemical Engineering Journal, 2012, 60, 30-35.	3.6	56
67	Enhancement of ginsenoside biosynthesis in cell cultures of Panax ginseng by N,Nâ€²-dicyclohexylcarbodiimide elicitation. Journal of Biotechnology, 2013, 165, 30-36.	3.8	55
68	Elicitation of ginsenoside biosynthesis in cell cultures of Panax ginseng by vanadate. Process Biochemistry, 2013, 48, 1227-1234.	3.7	55
69	N-Acylated homoserine lactone production and involvement in the biodegradation of aromatics by an environmental isolate of Pseudomonas aeruginosa. Process Biochemistry, 2010, 45, 1944-1948.	3.7	54
70	Engineering validamycin production by tandem deletion of Î³-butyrolactone receptor genes in Streptomyces hygroscopicus 5008. Metabolic Engineering, 2015, 28, 74-81.	7.0	54
71	Purification and characterization of UDPG:ginsenoside Rd glucosyltransferase from suspended cells of Panax notoginseng. Process Biochemistry, 2005, 40, 3742-3748.	3.7	53
72	Cytotoxic and pro-apoptotic effects of novel ganoderic acid derivatives on human cervical cancer cells in vitro. European Journal of Pharmacology, 2012, 681, 23-33.	3.5	52

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73	Separation of targeted ganoderic acids from Ganoderma lucidum by reversed phase liquid chromatography with ultraviolet and mass spectrometry detections. Biochemical Engineering Journal, 2006, 32, 205-210.	3.6	51
74	Biosynthesis of a ganoderic acid in Saccharomyces cerevisiae by expressing a cytochrome P450 gene from Ganoderma lucidum. Biotechnology and Bioengineering, 2018, 115, 1842-1854.	3.3	51
75	Effect of initial phosphate concentration on cell growth and ginsenoside saponin production by suspended cultures of panax notoginseng. Applied Biochemistry and Biotechnology, 1995, 55, 241-247.	2.9	50
76	A novel centrifugal impeller bioreactor. I. Fluid circulation, mixing, and liquid velocity profiles. Biotechnology and Bioengineering, 2000, 51, 511-519.	3.3	50
77	Enhancement of ginsenoside biosynthesis in high-density cultivation of Panax notoginseng cells by various strategies of methyl jasmonate elicitation. Applied Microbiology and Biotechnology, 2005, 67, 752-758.	3.6	50
78	Amplification of electrochemical signal by a whole-cell redox reactivation module for ultrasensitive detection of pyocyanin. Biosensors and Bioelectronics, 2017, 98, 338-344.	10.1	50
79	Responses of defense signals, biosynthetic gene transcription and taxoid biosynthesis to elicitation by a novel synthetic jasmonate in cell cultures ofTaxus chinensis. Biotechnology and Bioengineering, 2006, 94, 1064-1071.	3.3	49
80	A new ganoderic acid from Ganoderma lucidum mycelia and its stability. FÃ¬toterapÃ¬Ã¢, 2013, 84, 115-122.	2.2	48
81	Efficient induction of ginsenoside biosynthesis and alteration of ginsenoside heterogeneity in cell cultures of Panax notoginseng by using chemically synthesized 2-hydroxyethyl jasmonate. Applied Microbiology and Biotechnology, 2006, 70, 298-307.	3.6	47
82	Effect of fermentation temperature on validamycin A production by Streptomyces hygroscopicus 5008. Journal of Biotechnology, 2009, 142, 271-274.	3.8	47
83	Efficient ethanol production from corncob residues by repeated fermentation of an adapted yeast. Bioresource Technology, 2013, 136, 309-315.	9.6	46
84	Effect of mixing time on taxoid production using suspension cultures of Taxus chinensis in a centrifugal impeller bioreactor. Journal of Bioscience and Bioengineering, 2002, 94, 244-250.	2.2	45
85	Recent advances in biodegradation in China: New microorganisms and pathways, biodegradation engineering, and bioenergy from pollutant biodegradation. Process Biochemistry, 2010, 45, 1937-1943.	3.7	45
86	Exogenous 1,4â€butyrolactone stimulates Aâ€factorâ€like cascade and validamycin biosynthesis in Streptomyces hygroscopicus 5008. Biotechnology and Bioengineering, 2013, 110, 2984-2993.	3.3	45
87	Effects of temperature on cell growth and anthocyanin production in suspension cultures of Perilla frutescens. Journal of Bioscience and Bioengineering, 1993, 76, 530-531.	0.9	44
88	A novel centrifugal impeller bioreactor. II. Oxygen transfer and power consumption. Biotechnology and Bioengineering, 2000, 51, 520-527.	3.3	44
89	Improvement of Panax notoginseng Cell Culture for Production of Ginseng Saponin and Polysaccharide by High Density Cultivation in Pneumatically Agitated Bioreactors. Biotechnology Progress, 2001, 17, 838-846.	2.6	44
90	Secondary Metabolites from Cordyceps Species and Their Antitumor Activity Studies. Recent Patents on Biotechnology, 2007, 1, 123-137.	0.8	44

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91	Significance of fungal elicitors on the production of ganoderic acid and Ganoderma polysaccharides by the submerged culture of medicinal mushroom Ganoderma lucidum. Process Biochemistry, 2008, 43, 1359-1370.	3.7	44
92	Scale-up study on the fed-batch fermentation of Ganoderma lucidum for the hyperproduction of ganoderic acid and Ganoderma polysaccharides. Process Biochemistry, 2011, 46, 404-408.	3.7	44
93	Induced effect of Na⁺ on ganoderic acid biosynthesis in static liquid culture of Ganoderma lucidum via calcineurin signal transduction. Biotechnology and Bioengineering, 2013, 110, 1913-1923.	3.3	42
94	Improvement of cell growth and production of ginseng saponin and polysaccharide in suspension cultures of Panax notoginseng: Cu2+ effect. Journal of Biotechnology, 1996, 46, 69-72.	3.8	41
95	Scale-up of centrifugal impeller bioreactor for hyperproduction of ginseng saponin and polysaccharide by high-density cultivation of panax notoginseng cells. Biotechnology Progress, 2004, 20, 1076-1081.	2.6	41
96	Impact of external calcium and calcium sensors on ginsenoside Rb1 biosynthesis byPanax notoginseng cells. Biotechnology and Bioengineering, 2005, 89, 444-452.	3.3	41
97	Organotin Decomposition by Pyochelin, Secreted by Pseudomonas aeruginosa Even in an Iron-Sufficient Environment. Applied and Environmental Microbiology, 2006, 72, 6411-6413.	3.1	40
98	Role of Jasmonic Acid in Alteration of Ginsenoside Heterogeneity in Elicited Cell Cultures of Panax notoginseng. Journal of Bioscience and Bioengineering, 2007, 104, 513-516.	2.2	40
99	A genetically engineered whole-cell pigment-based bacterial biosensing system for quantification of N-butyryl homoserine lactone quorum sensing signal. Biosensors and Bioelectronics, 2009, 25, 41-47.	10.1	40
100	p53 is important for the anti-invasion of ganoderic acid T in human carcinoma cells. Phytomedicine, 2011, 18, 719-725.	5.3	39
101	Significance of agitation-induced shear stress on mycelium morphology and lavendamycin production by engineered Streptomyces flocculus. Applied Microbiology and Biotechnology, 2014, 98, 4399-4407.	3.6	39
102	Sucrose fed-batch strategy enhanced biomass, polysaccharide, and ganoderic acids production in fermentation of Ganoderma lucidum 5.26. Bioprocess and Biosystems Engineering, 2016, 39, 37-44.	3.4	39
103	Antimetastatic effect of ganoderic acid T in vitro through inhibition of cancer cell invasion. Process Biochemistry, 2010, 45, 1261-1267.	3.7	38
104	Simultaneous production of ginseng saponin and polysaccharide by suspension cultures of Panax ginseng: Nitrogen effects. Enzyme and Microbial Technology, 1997, 21, 518-524.	3.2	37
105	High density cultivation of Panax notoginseng cells in stirred bioreactors for the production of ginseng biomass and ginseng saponin. Process Biochemistry, 1999, 35, 491-496.	3.7	37
106	Enhancement of microbial transglutaminase production by Streptoverticillium mobaraense: application of a two-stage agitation speed control strategy. Process Biochemistry, 2005, 40, 963-968.	3.7	37
107	Hyaluronic acid enhances proliferation of human amniotic mesenchymal stem cells through activation of Wnt/β-catenin signaling pathway. Experimental Cell Research, 2016, 345, 218-229.	2.6	37
108	Effect of oxygen concentration in gas phase on sporulation and individual ganoderic acids accumulation in liquid static culture of Ganoderma lucidum. Journal of Bioscience and Bioengineering, 2010, 109, 37-40.	2.2	36

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109	Recent advances in plant cell cultures in bioreactors. World Journal of Microbiology and Biotechnology, 1995, 11, 461-467.	3.6	35
110	Effects of oxygen partial pressure on cell growth and ginsenoside and polysaccharide production in high density cell cultures of Panax notoginseng. Enzyme and Microbial Technology, 2003, 32, 498-503.	3.2	35
111	Ganoderic acid Me induces G1 arrest in wild-type p53 human tumor cells while G1/S transition arrest in p53-null cells. Process Biochemistry, 2009, 44, 928-933.	3.7	35
112	Fed-batch fermentation of Tuber melanosporum for the hyperproduction of mycelia and bioactive Tuber polysaccharides. Bioresource Technology, 2009, 100, 3644-3649.	9.6	35
113	Nutritional requirements for the hyperproduction of bioactive exopolysaccharides by submerged fermentation of the edible medicinal fungus Cordyceps taii. Biochemical Engineering Journal, 2010, 49, 241-249.	3.6	35
114	Induction of ganoderic acid biosynthesis by Mn²⁺ in static liquid cultivation of Ganoderma lucidum. Biotechnology and Bioengineering, 2014, 111, 2358-2365.	3.3	35
115	Hyper-production of large proteins of spider dragline silk MaSp2 by Escherichia coli via synthetic biology approach. Process Biochemistry, 2016, 51, 484-490.	3.7	35
116	Effect of osmotic pressure on cell growth and production of ginseng saponin and polysaccharide in suspension cultures of Panax notoginseng. Biotechnology Letters, 1995, 17, 1347.	2.2	34
117	Highly efficient strategy for enhancing taxoid production by repeated elicitation with a newly synthesized jasmonate in fed-batch cultivation ofTaxus chinensis cells. Biotechnology and Bioengineering, 2005, 90, 516-521.	3.3	34
118	Rheological characteristics of cell suspension and cell culture ofPerilla frutescens. Biotechnology and Bioengineering, 1992, 40, 1256-1262.	3.3	33
119	Impact of oxygen level in gaseous phase on gene transcription and ganoderic acid biosynthesis in liquid static cultures of Ganoderma lucidum. Bioprocess and Biosystems Engineering, 2010, 33, 683-690.	3.4	32
120	Enhanced production of validamycin A in Streptomyces hygroscopicus 5008 by engineering validamycin biosynthetic gene cluster. Applied Microbiology and Biotechnology, 2014, 98, 7911-7922.	3.6	32
121	Computational investigation of fluid dynamics in a recently developed centrifugal impeller bioreactor. Biochemical Engineering Journal, 2008, 38, 406-413.	3.6	31
122	Inhibition of tumor cell proliferation and induction of apoptosis in human lung carcinoma 95-D cells by a new sesquiterpene from hairy root cultures of Artemisia annua. Phytomedicine, 2010, 17, 856-861.	5.3	31
123	Novel, Unnatural Benzo-1,2,3-thiadiazole-7-carboxylate Elicitors of Taxoid Biosynthesis. Journal of Agricultural and Food Chemistry, 2006, 54, 8793-8798.	5.2	30
124	Sorbitol production using recombinant Zymomonas mobilis strain. Journal of Biotechnology, 2010, 148, 105-112.	3.8	30
125	Structurally related ganoderic acids induce apoptosis in human cervical cancer HeLa cells: Involvement of oxidative stress and antioxidant protective system. Chemico-Biological Interactions, 2015, 240, 134-144.	4.0	30
126	Enhanced taxane productivity in bioreactor cultivation of Taxus chinensis cells by combining elicitation, sucrose feeding and ethylene incorporation. Enzyme and Microbial Technology, 2002, 31, 116-121.	3.2	29

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127	Screening of Ganoderma strains with high polysaccharides and ganoderic acid contents and optimization of the fermentation medium by statistical methods. Bioprocess and Biosystems Engineering, 2014, 37, 1789-1797.	3.4	29
128	Improvement of ganoderic acid production by fermentation of Ganoderma lucidum with cellulase as an elicitor. Process Biochemistry, 2014, 49, 1580-1586.	3.7	29
129	Title is missing!. Biotechnology Letters, 2002, 24, 445-448.	2.2	28
130	Novel Chemically Synthesized Salicylate Derivative as an Effective Elicitor for Inducing the Biosynthesis of Plant Secondary Metabolites. Biotechnology Progress, 2006, 22, 331-333.	2.6	28
131	Optimization of fermentation conditions for production of anti-TMV extracellular ribonuclease by Bacillus cereus using response surface methodology. Bioprocess and Biosystems Engineering, 2010, 33, 657-663.	3.4	28
132	Enhanced production of ansamitocin P-3 by addition of isobutanol in fermentation of Actinosynnema pretiosum. Bioresource Technology, 2011, 102, 1863-1868.	9.6	28
133	Interactions of biocidal guanidine hydrochloride polymer analogs with model membranes: a comparative biophysical study. Acta Biochimica Et Biophysica Sinica, 2011, 43, 729-737.	2.0	28
134	Impacts of Quorum Sensing on Microbial Metabolism and Human Health. Advances in Biochemical Engineering/Biotechnology, 2012, 131, 25-61.	1.1	28
135	Enhancement of validamycin A production by addition of ethanol in fermentation of Streptomyces hygroscopicus 5008. Bioresource Technology, 2012, 114, 616-621.	9.6	28
136	Enhanced production of taxol in suspension cultures of Taxus chinensis by controlling inoculum size. Biotechnology Letters, 1997, 19, 353-356.	2.2	27
137	Improvement of the performance of H2O2 oxidation at low working potential by incorporating TTF-TCNQ into a platinum wire electrode for glucose determination. Biosensors and Bioelectronics, 1999, 14, 327-334.	10.1	27
138	Impact of the presence of salicylate or glucose on enzyme activity and phenanthrene degradation by Pseudomonas mendocina. Process Biochemistry, 2003, 38, 1125-1132.	3.7	27
139	Novel synthetic jasmonates as highly efficient elicitors for taxoid production by suspension cultures ofTaxus chinensis. Biotechnology and Bioengineering, 2004, 86, 595-599.	3.3	27
140	Strategies for Enhanced Production of Plant Secondary Metabolites from Cell and Organ Cultures. , 2014, , 471-508.		27
141	On-line monitoring of cell concentration ofPerilla frutescens in a bioreactor. Biotechnology and Bioengineering, 1993, 42, 542-546.	3.3	26
142	Computer-aided on-line monitoring of physiological variables in suspended cell cultures of Perilla frutescens in a bioreactor. Journal of Bioscience and Bioengineering, 1994, 77, 445-447.	0.9	26
143	Effects of potassium ion on cell growth and production of ginseng saponin and polysaccharide in suspension cultures of Panax ginseng. Journal of Biotechnology, 1996, 52, 121-126.	3.8	26
144	Protopanaxadiol 6â€hydroxylase and its role in regulating the ginsenoside heterogeneity in Panax notoginseng cells. Biotechnology and Bioengineering, 2008, 100, 933-940.	3.3	26

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145	Design and construction of improved new vectors for Zymomonas mobilis recombinants. Biotechnology and Bioengineering, 2011, 108, 1616-1627.	3.3	26
146	Ganoderic acid Me induces apoptosis through mitochondria dysfunctions in human colon carcinoma cells. Process Biochemistry, 2011, 46, 219-225.	3.7	26
147	Improvement of ethanol productivity and energy efficiency by degradation of inhibitors using recombinant Zymomonas mobilis (pHW20aâ€fdh). Biotechnology and Bioengineering, 2013, 110, 2395-2404.	3.3	26
148	Ganoderic acid Me induces the apoptosis of competent T cells and increases the proportion of Treg cells through enhancing the expression and activation of indoleamine 2,3-dioxygenase in mouse lewis lung cancer cells. International Immunopharmacology, 2014, 23, 192-204.	3.8	26
149	Scale-Up of a Liquid Static Culture Process for Hyperproduction of Ganoderic Acid by the Medicinal Mushroom Ganoderma lucidum. Biotechnology Progress, 2003, 19, 1842-1846.	2.6	25
150	Favorable effect of very low initial KLa value on xylitol production from xylose by a self-isolated strain of Pichia guilliermondii. Journal of Bioscience and Bioengineering, 2010, 109, 149-152.	2.2	25
151	A novel synthetic pathway for glutarate production in recombinant Escherichia coli. Process Biochemistry, 2017, 59, 167-171.	3.7	25
152	Modeling the kinetics of cell growth and ganoderic acid production in liquid static cultures of the medicinal mushroom Ganoderma lucidum. Biochemical Engineering Journal, 2004, 21, 259-264.	3.6	24
153	Multi-fed batch culture integrated with three-stage light irradiation and multiple additions of copper ions for the hyperproduction of ganoderic acid and Ganoderma polysaccharides by the medicinal mushroom Ganoderma lucidum. Process Biochemistry, 2010, 45, 1904-1911.	3.7	24
154	Effect of bottom clearance on performance of airlift bioreactor in high-density culture of Panax notoginseng cells. Journal of Bioscience and Bioengineering, 2001, 92, 389-392.	2.2	23
155	A new ganoderic acid from Ganoderma lucidum mycelia. Journal of Asian Natural Products Research, 2010, 12, 727-730.	1.4	23
156	Effect of oxygen supply on biomass and helvolic acid production in submerged fermentation of Cordyceps taii. Biochemical Engineering Journal, 2013, 81, 73-79.	3.6	23
157	Impact of nitrogen concentration on validamycin A production and related gene transcription in fermentation of Streptomyces hygroscopicus 5008. Bioprocess and Biosystems Engineering, 2012, 35, 1201-1208.	3.4	22
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