

Jian-Jiang Zhong

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269
papers

9,245
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78
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295
ext. papers

10,145
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
269	CO ₂ biofixation and fatty acid composition of <i>Scenedesmus obliquus</i> and <i>Chlorella pyrenoidosa</i> in response to different CO ₂ levels. <i>Bioresource Technology</i> , 2011 , 102, 3071-6	11	534
268	Ganoderic acid T from <i>Ganoderma lucidum</i> mycelia induces mitochondria mediated apoptosis in lung cancer cells. <i>Life Sciences</i> , 2006 , 80, 205-11	6.8	174
267	Production of ginseng and its bioactive components in plant cell culture: current technological and applied aspects. <i>Journal of Biotechnology</i> , 1999 , 68, 89-99	3.7	174
266	Effect of initial pH on production of ganoderic acid and polysaccharide by submerged fermentation of <i>Ganoderma lucidum</i> . <i>Process Biochemistry</i> , 2002 , 37, 769-774	4.8	160
265	Fed-batch fermentation of <i>Ganoderma lucidum</i> for hyperproduction of polysaccharide and ganoderic acid. <i>Enzyme and Microbial Technology</i> , 2002 , 31, 20-28	3.8	150
264	Production of biomass and useful compounds from adventitious roots of high-value added medicinal plants using bioreactor. <i>Biotechnology Advances</i> , 2012 , 30, 1255-67	17.8	136
263	Effect of light irradiation on anthocyanin production by suspended culture of <i>Perilla frutescens</i> . <i>Biotechnology and Bioengineering</i> , 1991 , 38, 653-8	4.9	136
262	Plant cell culture for production of paclitaxel and other taxanes. <i>Journal of Bioscience and Bioengineering</i> , 2002 , 94, 591-9	3.3	135
261	Bioelectricity enhancement via overexpression of quorum sensing system in <i>Pseudomonas aeruginosa</i> -inoculated microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011 , 30, 87-92	11.8	127
260	Submerged fermentation of higher fungus <i>Ganoderma lucidum</i> for production of valuable bioactive metabolites ganoderic acid and polysaccharide. <i>Biochemical Engineering Journal</i> , 2002 , 10, 61-65	4.2	127
259	Optimization of carbon source and carbon/nitrogen ratio for cordycepin production by submerged cultivation of medicinal mushroom <i>Cordyceps militaris</i> . <i>Process Biochemistry</i> , 2005 , 40, 1667-1672	4.8	126
258	Microalgal biofuels: Flexible bioenergies for sustainable development. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 30, 1035-1046	16.2	123
257	Biotechnological production and application of ganoderic acids. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 457-66	5.7	112
256	Role of oxygen supply in submerged fermentation of <i>Ganoderma lucidum</i> for production of <i>Ganoderma</i> polysaccharide and ganoderic acid. <i>Enzyme and Microbial Technology</i> , 2003 , 32, 478-484	3.8	110
255	Hosting the plant cells in vitro: recent trends in bioreactors. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 3787-800	5.7	97
254	Enhancement of IL-2 and IFN-gamma expression and NK cells activity involved in the anti-tumor effect of ganoderic acid Me in vivo. <i>International Immunopharmacology</i> , 2007 , 7, 864-70	5.8	97
253	Direct biosynthesis of adipic acid from a synthetic pathway in recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2014 , 111, 2580-6	4.9	95

252	Damage of Escherichia coli membrane by bactericidal agent polyhexamethylene guanidine hydrochloride: micrographic evidences. <i>Journal of Applied Microbiology</i> , 2010 , 108, 898-907	4.7	95
251	Two-stage culture process for improved production of ganoderic acid by liquid fermentation of higher fungus Ganoderma lucidum. <i>Biotechnology Progress</i> , 2002 , 18, 51-4	2.8	83
250	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. <i>Bioresource Technology</i> , 2009 , 100, 1852-9	11	80
249	Towards efficient extraction of notoginseng saponins from cultured cells of Panax notoginseng. <i>Biochemical Engineering Journal</i> , 2004 , 18, 115-120	4.2	80
248	Ganoderic acid T inhibits tumor invasion in vitro and in vivo through inhibition of MMP expression. <i>Pharmacological Reports</i> , 2010 , 62, 150-63	3.9	77
247	Scale-up study on suspension cultures of Taxus chinensis cells for production of taxane diterpene. <i>Enzyme and Microbial Technology</i> , 2000 , 27, 714-723	3.8	75
246	Ganoderic acid Me inhibits tumor invasion through down-regulating matrix metalloproteinases 2/9 gene expression. <i>Journal of Pharmacological Sciences</i> , 2008 , 108, 212-6	3.7	73
245	A quantitative analysis of shear effects on cell suspension and cell culture of perilla frutescens in bioreactors. <i>Biotechnology and Bioengineering</i> , 1994 , 44, 649-54	4.9	72
244	Phosphate effect on production of ginseng saponin and polysaccharide by cell suspension cultures of Panax ginseng and Panax quinquefolium. <i>Process Biochemistry</i> , 1998 , 33, 69-74	4.8	70
243	Enhancement of ginseng saponin production in suspension cultures of Panax notoginseng: manipulation of medium sucrose. <i>Journal of Biotechnology</i> , 1996 , 51, 49-56	3.7	70
242	In situ biodiesel production from fast-growing and high oil content Chlorella pyrenoidosa in rice straw hydrolysate. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 141207		69
241	Enhanced biosynthetic gene expressions and production of ganoderic acids in static liquid culture of Ganoderma lucidum under phenobarbital induction. <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 1367-74	5.7	69
240	Production of individual ganoderic acids and expression of biosynthetic genes in liquid static and shaking cultures of Ganoderma lucidum. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 941-8	5.7	68
239	Jasmonic acid mediates gene transcription of ginsenoside biosynthesis in cell cultures of Panax notoginseng treated with chemically synthesized 2-hydroxyethyl jasmonate. <i>Process Biochemistry</i> , 2008 , 43, 113-118	4.8	68
238	Secondary metabolites from higher fungi: discovery, bioactivity, and bioproduction. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2009 , 113, 79-150	1.7	67
237	Pulsed electric field stimulates plant secondary metabolism in suspension cultures of Taxus chinensis. <i>Biotechnology and Bioengineering</i> , 2004 , 88, 788-95	4.9	67
236	Kinetics and key enzyme activities of phenanthrene degradation by Pseudomonas mendocina. <i>Process Biochemistry</i> , 2002 , 37, 1431-1437	4.8	67
235	Biofuel production by in vitro synthetic enzymatic pathway biotransformation. <i>Current Opinion in Biotechnology</i> , 2010 , 21, 663-9	11.4	66

234	Hyperproduction of cordycepin by two-stage dissolved oxygen control in submerged cultivation of medicinal mushroom <i>Cordyceps militaris</i> in bioreactors. <i>Biotechnology Progress</i> , 2004 , 20, 1408-13	2.8	65
233	Manipulation of ginsenoside heterogeneity in cell cultures of <i>Panax notoginseng</i> by addition of jasmonates. <i>Journal of Bioscience and Bioengineering</i> , 2002 , 93, 48-53	3.3	65
232	Impacts of calcium signal transduction on the fermentation production of antitumor ganoderic acids by medicinal mushroom <i>Ganoderma lucidum</i> . <i>Biotechnology Advances</i> , 2012 , 30, 1301-8	17.8	64
231	Effects of plant growth regulators on cell growth and ginsenoside saponin production by suspension cultures of <i>Panax quinquefolium</i> . <i>Journal of Biotechnology</i> , 1996 , 45, 227-234	3.7	63
230	Enhancement of ganoderic acid accumulation by overexpression of an N-terminally truncated 3-hydroxy-3-methylglutaryl coenzyme A reductase gene in the basidiomycete <i>Ganoderma lucidum</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 7968-76	4.8	60
229	Significant improvement of taxane production in suspension cultures of <i>Taxus chinensis</i> by combining elicitation with sucrose feed. <i>Biochemical Engineering Journal</i> , 2001 , 8, 145-150	4.2	60
228	Regulation of aromatics biodegradation by rhl quorum sensing system through induction of catechol meta-cleavage pathway. <i>Bioresource Technology</i> , 2013 , 136, 761-5	11	59
227	Significant improvement of taxane production in suspension cultures of <i>Taxus chinensis</i> by sucrose feeding strategy. <i>Process Biochemistry</i> , 1999 , 35, 479-483	4.8	59
226	Novel chemically synthesized hydroxyl-containing jasmonates as powerful inducing signals for plant secondary metabolism. <i>Biotechnology and Bioengineering</i> , 2004 , 86, 809-16	4.9	58
225	Combined effects of initial sucrose concentration and inoculum size on cell growth and ginseng saponin production by suspension cultures of <i>Panax ginseng</i> . <i>Process Biochemistry</i> , 1999 , 34, 639-642	4.8	58
224	Enhancement of anthocyanin production by <i>Perilla frutescens</i> cells in a stirred bioreactor with internal light irradiation. <i>Journal of Bioscience and Bioengineering</i> , 1993 , 75, 299-303		58
223	CRISPR-Cas9 assisted gene disruption in the higher fungus <i>Ganoderma</i> species. <i>Process Biochemistry</i> , 2017 , 56, 57-61	4.8	57
222	Large scale culture of ginseng adventitious roots for production of ginsenosides. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2009 , 113, 151-76	1.7	57
221	Hyperproduction of ginseng saponin and polysaccharide by high density cultivation of <i>Panax notoginseng</i> cells. <i>Enzyme and Microbial Technology</i> , 1997 , 21, 59-63	3.8	57
220	Effects of nitrogen source on the production of ginseng saponin and polysaccharide by cell cultures of <i>Panax quinquefolium</i> . <i>Process Biochemistry</i> , 1998 , 33, 671-675	4.8	55
219	Significance of inoculation density control in production of polysaccharide and ganoderic acid by submerged culture of <i>Ganoderma lucidum</i> . <i>Process Biochemistry</i> , 2002 , 37, 1375-1379	4.8	53
218	Effect of Nitrogen Source on Cell Growth and Production of Ginseng Saponin and Polysaccharide in Suspension Cultures of <i>Panax notoginseng</i> . <i>Biotechnology Progress</i> , 1996 , 12, 567-571	2.8	53
217	Enhanced production of validamycin A by H ₂ O ₂ -induced reactive oxygen species in fermentation of <i>Streptomyces hygroscopicus</i> 5008. <i>Bioresource Technology</i> , 2011 , 102, 1783-7	11	51

216	Ganoderic acid Mf and S induce mitochondria mediated apoptosis in human cervical carcinoma HeLa cells. <i>Phytomedicine</i> , 2011 , 18, 349-55	6.5	50
215	Polysaccharides from the Medicinal Mushroom Cordyceps taii Show Antioxidant and Immunoenhancing Activities in a D-Galactose-Induced Aging Mouse Model. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 273435	2.3	50
214	Enhancement of ginsenoside biosynthesis in cell cultures of Panax ginseng by N,N'-dicyclohexylcarbodiimide elicitation. <i>Journal of Biotechnology</i> , 2013 , 165, 30-6	3.7	49
213	Significant effect of NH ₄ ⁺ on cordycepin production by submerged cultivation of medicinal mushroom Cordyceps militaris. <i>Enzyme and Microbial Technology</i> , 2006 , 38, 343-350	3.8	49
212	Purification and characterization of UDPG:ginsenoside Rd glucosyltransferase from suspended cells of Panax notoginseng. <i>Process Biochemistry</i> , 2005 , 40, 3742-3748	4.8	49
211	High-density cultivation of Perilla frutescens cell suspensions for anthocyanin production: Effects of sucrose concentration and inoculum size. <i>Enzyme and Microbial Technology</i> , 1995 , 17, 1073-1079	3.8	49
210	Elicitation of ginsenoside biosynthesis in cell cultures of Panax ginseng by vanadate. <i>Process Biochemistry</i> , 2013 , 48, 1227-1234	4.8	48
209	Extensive in vitro activity of guanidine hydrochloride polymer analogs against antibiotics-resistant clinically isolated strains. <i>Materials Science and Engineering C</i> , 2011 , 31, 1836-1843	8.3	46
208	Responses of defense signals, biosynthetic gene transcription and taxoid biosynthesis to elicitation by a novel synthetic jasmonate in cell cultures of Taxus chinensis. <i>Biotechnology and Bioengineering</i> , 2006 , 94, 1064-71	4.9	46
207	Enhancement of ginsenoside biosynthesis in high-density cultivation of Panax notoginseng cells by various strategies of methyl jasmonate elicitation. <i>Applied Microbiology and Biotechnology</i> , 2005 , 67, 752-8	5.7	46
206	Engineering validamycin production by tandem deletion of β -butyrolactone receptor genes in Streptomyces hygrosopicus 5008. <i>Metabolic Engineering</i> , 2015 , 28, 74-81	9.7	45
205	Enhanced production of ganoderic acids in static liquid culture of Ganoderma lucidum under nitrogen-limiting conditions. <i>Bioresource Technology</i> , 2011 , 102, 8185-90	11	45
204	Effect of fermentation temperature on validamycin A production by Streptomyces hygrosopicus 5008. <i>Journal of Biotechnology</i> , 2009 , 142, 271-4	3.7	44
203	N-Acylated homoserine lactone production and involvement in the biodegradation of aromatics by an environmental isolate of Pseudomonas aeruginosa. <i>Process Biochemistry</i> , 2010 , 45, 1944-1948	4.8	44
202	Separation of targeted ganoderic acids from Ganoderma lucidum by reversed phase liquid chromatography with ultraviolet and mass spectrometry detections. <i>Biochemical Engineering Journal</i> , 2006 , 32, 205-210	4.2	43
201	Effect of mixing time on taxoid production using suspension cultures of Taxus chinensis in a centrifugal impeller bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2002 , 94, 244-250	3.3	43
200	A novel centrifugal impeller bioreactor. I. Fluid circulation, mixing, and liquid velocity profiles. <i>Biotechnology and Bioengineering</i> , 1996 , 51, 511-9	4.9	43
199	Enhancement of cordycepin production in submerged cultures of Cordyceps militaris by addition of ferrous sulfate. <i>Biochemical Engineering Journal</i> , 2012 , 60, 30-35	4.2	42

198	Efficient induction of ginsenoside biosynthesis and alteration of ginsenoside heterogeneity in cell cultures of <i>Panax notoginseng</i> by using chemically synthesized 2-hydroxyethyl jasmonate. <i>Applied Microbiology and Biotechnology</i> , 2006 , 70, 298-307	5.7	42
197	Recent advances in bioreactor engineering. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 1035-1041	2.8	41
196	Submerged cultivation of medicinal mushrooms for production of valuable bioactive metabolites. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2004 , 87, 25-59	1.7	41
195	Exopolysaccharide biosynthesis and related enzyme activities of the medicinal fungus, <i>Ganoderma lucidum</i> , grown on lactose in a bioreactor. <i>Biotechnology Letters</i> , 2002 , 24, 1023-1026	3	41
194	Biochemical engineering of the production of plant-specific secondary metabolites by cell suspension cultures. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2001 , 72, 1-26	1.7	41
193	Production of Useful Terpenoids by Higher-Fungus Cell Factory and Synthetic Biology Approaches. <i>Trends in Biotechnology</i> , 2016 , 34, 242-255	15.1	40
192	Efficient ethanol production from corncob residues by repeated fermentation of an adapted yeast. <i>Bioresource Technology</i> , 2013 , 136, 309-15	11	40
191	Scale-up of centrifugal impeller bioreactor for hyperproduction of ginseng saponin and polysaccharide by high-density cultivation of <i>panax notoginseng</i> cells. <i>Biotechnology Progress</i> , 2004 , 20, 1076-81	2.8	40
190	Effects of temperature on cell growth and anthocyanin production in suspension cultures of <i>Perilla frutescens</i> . <i>Journal of Bioscience and Bioengineering</i> , 1993 , 76, 530-531		40
189	Cytotoxic and pro-apoptotic effects of novel ganoderic acid derivatives on human cervical cancer cells in vitro. <i>European Journal of Pharmacology</i> , 2012 , 681, 23-33	5.3	39
188	Significance of fungal elicitors on the production of ganoderic acid and <i>Ganoderma</i> polysaccharides by the submerged culture of medicinal mushroom <i>Ganoderma lucidum</i> . <i>Process Biochemistry</i> , 2008 , 43, 1359-1370	4.8	39
187	A novel centrifugal impeller bioreactor. II. Oxygen transfer and power consumption. <i>Biotechnology and Bioengineering</i> , 1996 , 51, 520-7	4.9	39
186	Effect of initial phosphate concentration on cell growth and ginsenoside saponin production by suspended cultures of <i>panax notoginseng</i> . <i>Applied Biochemistry and Biotechnology</i> , 1995 , 55, 241-247	3.2	39
185	A new ganoderic acid from <i>Ganoderma lucidum</i> mycelia and its stability. <i>Fitoterapia</i> , 2013 , 84, 115-22	3.2	38
184	Scale-up study on the fed-batch fermentation of <i>Ganoderma lucidum</i> for the hyperproduction of ganoderic acid and <i>Ganoderma</i> polysaccharides. <i>Process Biochemistry</i> , 2011 , 46, 404-408	4.8	36
183	Recent advances in biodegradation in China: New microorganisms and pathways, biodegradation engineering, and bioenergy from pollutant biodegradation. <i>Process Biochemistry</i> , 2010 , 45, 1937-1943	4.8	36
182	Role of jasmonic acid in alteration of ginsenoside heterogeneity in elicited cell cultures of <i>Panax notoginseng</i> . <i>Journal of Bioscience and Bioengineering</i> , 2007 , 104, 513-6	3.3	36
181	Impact of external calcium and calcium sensors on ginsenoside Rb1 biosynthesis by <i>Panax notoginseng</i> cells. <i>Biotechnology and Bioengineering</i> , 2005 , 89, 444-52	4.9	36

180	Enhancement of microbial transglutaminase production by <i>Streptovercillium mobaraense</i> : application of a two-stage agitation speed control strategy. <i>Process Biochemistry</i> , 2005 , 40, 963-968	4.8	36
179	Improvement of cell growth and production of ginseng saponin and polysaccharide in suspension cultures of <i>Panax notoginseng</i> : Cu ²⁺ effect. <i>Journal of Biotechnology</i> , 1996 , 46, 69-72	3.7	36
178	A genetically engineered whole-cell pigment-based bacterial biosensing system for quantification of N-butylryl homoserine lactone quorum sensing signal. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 41-7	11.8	35
177	Effects of oxygen partial pressure on cell growth and ginsenoside and polysaccharide production in high density cell cultures of <i>Panax notoginseng</i> . <i>Enzyme and Microbial Technology</i> , 2003 , 32, 498-503	3.8	35
176	Improvement of <i>Panax notoginseng</i> cell culture for production of ginseng saponin and polysaccharide by high density cultivation in pneumatically agitated bioreactors. <i>Biotechnology Progress</i> , 2001 , 17, 838-46	2.8	35
175	Biosynthesis of a ganoderic acid in <i>Saccharomyces cerevisiae</i> by expressing a cytochrome P450 gene from <i>Ganoderma lucidum</i> . <i>Biotechnology and Bioengineering</i> , 2018 , 115, 1842-1854	4.9	34
174	Induced effect of Na(+) on ganoderic acid biosynthesis in static liquid culture of <i>Ganoderma lucidum</i> via calcineurin signal transduction. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 1913-23	4.9	34
173	Ganoderic acid Me induces G1 arrest in wild-type p53 human tumor cells while G1/S transition arrest in p53-null cells. <i>Process Biochemistry</i> , 2009 , 44, 928-933	4.8	34
172	High density cultivation of <i>Panax notoginseng</i> cells in stirred bioreactors for the production of ginseng biomass and ginseng saponin. <i>Process Biochemistry</i> , 1999 , 35, 491-496	4.8	34
171	Fed-batch fermentation of <i>Tuber melanosporum</i> for the hyperproduction of mycelia and bioactive Tuber polysaccharides. <i>Bioresource Technology</i> , 2009 , 100, 3644-9	11	33
170	Nutritional requirements for the hyperproduction of bioactive exopolysaccharides by submerged fermentation of the edible medicinal fungus <i>Cordyceps taii</i> . <i>Biochemical Engineering Journal</i> , 2010 , 49, 241-249	4.2	33
169	Simultaneous production of ginseng saponin and polysaccharide by suspension cultures of <i>Panax ginseng</i> : Nitrogen effects. <i>Enzyme and Microbial Technology</i> , 1997 , 21, 518-524	3.8	33
168	Highly efficient strategy for enhancing taxoid production by repeated elicitation with a newly synthesized jasmonate in fed-batch cultivation of <i>Taxus chinensis</i> cells. <i>Biotechnology and Bioengineering</i> , 2005 , 90, 516-21	4.9	33
167	Amplification of electrochemical signal by a whole-cell redox reactivation module for ultrasensitive detection of pyocyanin. <i>Biosensors and Bioelectronics</i> , 2017 , 98, 338-344	11.8	32
166	Effect of oxygen concentration in gas phase on sporulation and individual ganoderic acids accumulation in liquid static culture of <i>Ganoderma lucidum</i> . <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 37-40	3.3	32
165	Antimetastatic effect of ganoderic acid T in vitro through inhibition of cancer cell invasion. <i>Process Biochemistry</i> , 2010 , 45, 1261-1267	4.8	32
164	Organotin decomposition by pyochelin, secreted by <i>Pseudomonas aeruginosa</i> even in an iron-sufficient environment. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 6411-3	4.8	32
163	Rheological characteristics of cell suspension and cell culture of <i>Perilla frutescens</i> . <i>Biotechnology and Bioengineering</i> , 1992 , 40, 1256-62	4.9	32

162	Exogenous 1,4-butyrolactone stimulates A-factor-like cascade and validamycin biosynthesis in <i>Streptomyces hygroscopicus</i> 5008. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 2984-93	4.9	31
161	Recent advances in plant cell cultures in bioreactors. <i>World Journal of Microbiology and Biotechnology</i> , 1995 , 11, 461-7	4.4	31
160	p53 is important for the anti-invasion of ganoderic acid T in human carcinoma cells. <i>Phytomedicine</i> , 2011 , 18, 719-25	6.5	29
159	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 <i>Artemisia annua</i> . <i>Phytomedicine</i> , 2010 , 17, 856-61	6.5	29
158	Secondary metabolites from <i>Cordyceps</i> species and their antitumor activity studies. <i>Recent Patents on Biotechnology</i> , 2007 , 1, 123-37	2.2	29
157	Hyaluronic acid enhances proliferation of human amniotic mesenchymal stem cells through activation of Wnt/ β -catenin signaling pathway. <i>Experimental Cell Research</i> , 2016 , 345, 218-29	4.2	29
156	Impact of oxygen level in gaseous phase on gene transcription and ganoderic acid biosynthesis in liquid static cultures of <i>Ganoderma lucidum</i> . <i>Bioprocess and Biosystems Engineering</i> , 2010 , 33, 683-90	3.7	28
155	Enhanced taxane productivity in bioreactor cultivation of <i>Taxus chinensis</i> cells by combining elicitation, sucrose feeding and ethylene incorporation. <i>Enzyme and Microbial Technology</i> , 2002 , 31, 116-121	3.8	28
154	Effect of osmotic pressure on cell growth and production of ginseng saponin and polysaccharide in suspension cultures of <i>Panax notoginseng</i> . <i>Biotechnology Letters</i> , 1995 , 17, 1347	3	27
153	Significance of agitation-induced shear stress on mycelium morphology and lavendamycin production by engineered <i>Streptomyces flocculus</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 4399-407	5.7	26
152	Enhanced production of validamycin A in <i>Streptomyces hygroscopicus</i> 5008 by engineering validamycin biosynthetic gene cluster. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7911-22	5.7	26
151	Repeated elicitation enhances taxane production in suspension cultures of <i>Taxus chinensis</i> in bioreactors. <i>Biotechnology Letters</i> , 2002 , 24, 445-448	3	26
150	Impact of the presence of salicylate or glucose on enzyme activity and phenanthrene degradation by <i>Pseudomonas mendocina</i> . <i>Process Biochemistry</i> , 2003 , 38, 1125-1132	4.8	26
149	Improvement of the performance of H ₂ O ₂ oxidation at low working potential by incorporating TTF-TCNQ into a platinum wire electrode for glucose determination. <i>Biosensors and Bioelectronics</i> , 1999 , 14, 327-34	11.8	26
148	Induction of ganoderic acid biosynthesis by Mn ²⁺ in static liquid cultivation of <i>Ganoderma lucidum</i> . <i>Biotechnology and Bioengineering</i> , 2014 , 111, 2358-65	4.9	25
147	Enhancement of validamycin A production by addition of ethanol in fermentation of <i>Streptomyces hygroscopicus</i> 5008. <i>Bioresource Technology</i> , 2012 , 114, 616-21	11	25
146	Enhanced production of ansamitocin P-3 by addition of isobutanol in fermentation of <i>Actinosynnema pretiosum</i> . <i>Bioresource Technology</i> , 2011 , 102, 1863-8	11	25
145	Computational investigation of fluid dynamics in a recently developed centrifugal impeller bioreactor. <i>Biochemical Engineering Journal</i> , 2008 , 38, 406-413	4.2	25

144	Novel, unnatural benzo-1,2,3-thiadiazole-7-carboxylate elicitors of taxoid biosynthesis. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 8793-8	5.7	25
143	Novel synthetic jasmonates as highly efficient elicitors for taxoid production by suspension cultures of <i>Taxus chinensis</i> . <i>Biotechnology and Bioengineering</i> , 2004 , 86, 595-9	4.9	25
142	CRISPR-Cas9 assisted functional gene editing in the mushroom <i>Ganoderma lucidum</i> . <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 1661-1671	5.7	25
141	Interactions of biocidal guanidine hydrochloride polymer analogs with model membranes: a comparative biophysical study. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011 , 43, 729-37	2.8	24
140	Sorbitol production using recombinant <i>Zymomonas mobilis</i> strain. <i>Journal of Biotechnology</i> , 2010 , 148, 105-12	3.7	24
139	Hyper-production of large proteins of spider dragline silk MaSp2 by <i>Escherichia coli</i> via synthetic biology approach. <i>Process Biochemistry</i> , 2016 , 51, 484-490	4.8	23
138	Screening of <i>Ganoderma</i> strains with high polysaccharides and ganoderic acid contents and optimization of the fermentation medium by statistical methods. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 1789-97	3.7	23
137	Improvement of ganoderic acid production by fermentation of <i>Ganoderma lucidum</i> with cellulase as an elicitor. <i>Process Biochemistry</i> , 2014 , 49, 1580-1586	4.8	23
136	Ganoderic acid Me induces apoptosis through mitochondria dysfunctions in human colon carcinoma cells. <i>Process Biochemistry</i> , 2011 , 46, 219-225	4.8	23
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134	Protopanaxadiol 6-hydroxylase and its role in regulating the ginsenoside heterogeneity in <i>Panax notoginseng</i> cells. <i>Biotechnology and Bioengineering</i> , 2008 , 100, 933-40	4.9	23
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