

Tai Hyun Park

List of Publications by Year in descending order

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152
papers

7,245
citations

50276

46
h-index

62596

80
g-index

155
all docs

155
docs citations

155
times ranked

7948
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-throughput biomimetic bone-on-a-chip platform with artificial intelligence-assisted image analysis for osteoporosis drug testing. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	7.1	17
2	Olfactory receptor-based CNT-FET sensor for the detection of DMMP as a simulant of sarin. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131188.	7.8	16
3	In-situ food spoilage monitoring using a wireless chemical receptor-conjugated graphene electronic nose. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113908.	10.1	27
4	Ultrasensitive Bioelectronic Tongue Based on the Venus Flytrap Domain of a Human Sweet Taste Receptor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2478-2487.	8.0	17
5	Bitter taste receptors protect against skin aging by inhibiting cellular senescence and enhancing wound healing. <i>Nutrition Research and Practice</i> , 2022, 16, 1.	1.9	4
6	Development of a CHO cell line for stable production of recombinant antibodies against human MMP9. <i>BMC Biotechnology</i> , 2022, 22, 8.	3.3	5
7	Prevention of collagen hydrogel contraction using polydopamine-coating and alginate outer shell increases cell contractile force. , 2022, 136, 212780.		6
8	Cellular direct conversion by cell penetrable OCT4-30Kc19 protein and BMP4 growth factor. <i>Biomaterials Research</i> , 2022, 26, .	6.9	2
9	Photosensitive Nanodiscs Composed of Human Photoreceptors for Refractive Index Modulation at Selective Wavelengths. <i>Nano Letters</i> , 2022, 22, 6825-6832.	9.1	4
10	Wireless portable bioelectronic nose device for multiplex monitoring toward food freshness/spoilage. <i>Biosensors and Bioelectronics</i> , 2022, 215, 114551.	10.1	27
11	Identification of a Lung Cancer Biomarker Using a Cancer Cell Line and Screening of Olfactory Receptors for Biomarker Detection. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 55-62.	2.6	9
12	Enhancement of Wound Healing Efficacy by Increasing the Stability and Skin-Penetrating Property of bFGF Using 30Kc19-Based Fusion Protein. <i>Advanced Biology</i> , 2021, 5, e2000176.	2.5	5
13	Partially Digested Osteoblast Cell Line-Derived Extracellular Matrix Induces Rapid Mineralization and Osteogenesis. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1134-1146.	5.2	11
14	Correlation between in vitro binding activity of sweeteners to cloned human sweet taste receptor and sensory evaluation. <i>Food Science and Biotechnology</i> , 2021, 30, 675-682.	2.6	9
15	A dietary anthocyanin cyanidin-3-O-glucoside binds to PPARs to regulate glucose metabolism and insulin sensitivity in mice. <i>Communications Biology</i> , 2020, 3, 514.	4.4	34
16	Intracellular Delivery of Recombinant RUNX2 Facilitated by Cell-Penetrating Protein for the Osteogenic Differentiation of hMSCs. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5202-5214.	5.2	12
17	Micelle-stabilized Olfactory Receptors for a Bioelectronic Nose Detecting Butter Flavors in Real Fermented Alcoholic Beverages. <i>Scientific Reports</i> , 2020, 10, 9064.	3.3	7
18	Enhanced osteogenic differentiation of human mesenchymal stem cells by direct delivery of Cbfl ² protein. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2897-2910.	3.3	6

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19	Bioelectronic Skin Based on Nociceptive Ion Channel for Human-Like Perception of Cold Pains. <i>Small</i> , 2020, 16, e2001469.	10.0	5
20	Bioelectronic sensor mimicking the human neuroendocrine system for the detection of hypothalamic-pituitary-adrenal axis hormones in human blood. <i>Biosensors and Bioelectronics</i> , 2020, 154, 112071.	10.1	7
21	Protein-based direct reprogramming of fibroblasts to neuronal cells using 30Kc19 protein and transcription factor Ascl1. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 121, 105717.	2.8	6
22	FET-based nanobiosensors for the detection of smell and taste. <i>Science China Life Sciences</i> , 2020, 63, 1159-1167.	4.9	14
23	Peptide hormone sensors using human hormone receptor-carrying nanovesicles and graphene FETs. <i>Scientific Reports</i> , 2020, 10, 388.	3.3	13
24	Recent Advances in the Development of the Bioelectronic Sensor Using Sensory Receptors. <i>Journal of Japan Association on Odor Environment</i> , 2020, 51, 2-8.	0.0	1
25	Ultrasensitive, Selective, and Highly Stable Bioelectronic Nose That Detects the Liquid and Gaseous Cadaverine. <i>Analytical Chemistry</i> , 2019, 91, 12181-12190.	6.5	36
26	Magnetic Nanoparticle-Embedded Hydrogel Sheet with a Groove Pattern for Wound Healing Application. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3909-3921.	5.2	38
27	Visual detection of odorant geraniol enabled by integration of a human olfactory receptor into polydiacetylene/lipid nano-assembly. <i>Nanoscale</i> , 2019, 11, 7582-7587.	5.6	10
28	Enhanced single-cell viability using 30Kc6 for efficient expansion of human induced pluripotent stem cells. <i>Process Biochemistry</i> , 2019, 78, 161-168.	3.7	0
29	Comparative Evaluation of Sensitivity to Hexanal Between Human and Canine Olfactory Receptors. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 1007-1012.	2.6	6
30	Conducting Nanomaterial Sensor Using Natural Receptors. <i>Chemical Reviews</i> , 2019, 119, 36-93.	47.7	159
31	A triangle study of human, instrument and bioelectronic nose for non-destructive sensing of seafood freshness. <i>Scientific Reports</i> , 2018, 8, 547.	3.3	21
32	The bioelectronic nose and tongue using olfactory and taste receptors: Analytical tools for food quality and safety assessment. <i>Biotechnology Advances</i> , 2018, 36, 371-379.	11.7	43
33	Exploring Binding Mechanisms between Curcumin and Silkworm 30Kc19 Protein Using Spectroscopic Analyses and Computational Simulations. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 605-616.	2.6	8
34	Human-like smelling of a rose scent using an olfactory receptor nanodisc-based bioelectronic nose. <i>Scientific Reports</i> , 2018, 8, 13945.	3.3	32
35	Artificial Rod and Cone Photoreceptors with Human-Like Spectral Sensitivities. <i>Advanced Materials</i> , 2018, 30, e1706764.	21.0	12
36	Photoreceptors: Artificial Rod and Cone Photoreceptors with Human-Like Spectral Sensitivities (Adv.) <i>Tj ETQq0 0 0 ggBT /Overlock 10 Tf</i>	21.0	12

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37	Ultrasensitive terahertz molecule sensor for observation of photoinduced conformational change in rhodopsin-nanovesicles. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1371-1375.	7.8	15
38	Bioelectronic Nose Using Olfactory Receptor-Embedded Nanodiscs. <i>Methods in Molecular Biology</i> , 2018, 1820, 239-249.	0.9	4
39	High-performance bioelectronic tongue using ligand binding domain T1R1 VFT for umami taste detection. <i>Biosensors and Bioelectronics</i> , 2018, 117, 628-636.	10.1	49
40	<i>C. elegans</i> -on-a-chip for in situ and in vivo Ag nanoparticles uptake and toxicity assay. <i>Scientific Reports</i> , 2017, 7, 40225.	3.3	38
41	Bioelectronic Nose: An Emerging Tool for Odor Standardization. <i>Trends in Biotechnology</i> , 2017, 35, 301-307.	9.3	43
42	Influences of Media Compositions on Characteristics of Isolated Bacteria Exhibiting Lignocellulolytic Activities from Various Environmental Sites. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 931-942.	2.9	10
43	Multilayer Nanofilms via Inkjet Printing for Stabilizing Growth Factor and Designing Desired Cell Developments. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700216.	7.6	8
44	Dopamine Receptor D1 Agonism and Antagonism Using a Field-Effect Transistor Assay. <i>ACS Nano</i> , 2017, 11, 5950-5959.	14.6	25
45	Protective effects of silkworm hemolymph extract and its fractions on UV-induced photoaging. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 37-44.	2.6	11
46	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.	14.6	976
47	Mild pretreatment of yellow poplar biomass using sequential dilute acid and enzymatically-generated peracetic acid to enhance cellulase accessibility. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 405-412.	2.6	14
48	One-step pretreatment of yellow poplar biomass using peracetic acid to enhance enzymatic digestibility. <i>Scientific Reports</i> , 2017, 7, 12216.	3.3	25
49	Enzyme delivery using protein-stabilizing and cell-penetrating 30Kc19 protein nanoparticles. <i>Process Biochemistry</i> , 2017, 63, 76-83.	3.7	8
50	Lineage Specific Differentiation of Magnetic Nanoparticle-Based Size Controlled Human Embryoid Body. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1719-1729.	5.2	5
51	Nanodisc-Based Bioelectronic Nose Using Olfactory Receptor Produced in <i>Escherichia coli</i> for the Assessment of the Death-Associated Odor Cadaverine. <i>ACS Nano</i> , 2017, 11, 11847-11855.	14.6	59
52	Efficient Encapsulation and Sustained Release of Basic Fibroblast Growth Factor in Nanofilm: Extension of the Feeding Cycle of Human Induced Pluripotent Stem Cell Culture. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25087-25097.	8.0	23
53	Complete genome sequence of <i>Bacillus</i> sp. 275, producing extracellular cellulolytic, xylanolytic and ligninolytic enzymes. <i>Journal of Biotechnology</i> , 2017, 254, 59-62.	3.8	24
54	A portable and multiplexed bioelectronic sensor using human olfactory and taste receptors. <i>Biosensors and Bioelectronics</i> , 2017, 87, 901-907.	10.1	87

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55	Anti-cancer stemness and anti-invasive activity of bitter taste receptors, TAS2R8 and TAS2R10, in human neuroblastoma cells. PLoS ONE, 2017, 12, e0176851.	2.5	29
56	β-Galactosidase delivery using 30Kc19-human serum albumin nanoparticles for effective treatment of Fabry disease. Applied Microbiology and Biotechnology, 2016, 100, 10395-10402.	3.6	24
57	Microtechnology-based organ systems and whole-body models for drug screening. Biotechnology Journal, 2016, 11, 746-756.	3.5	22
58	Bioelectronic nose and its application to smell visualization. Journal of Biological Engineering, 2016, 10, 17.	4.7	27
59	Human Dopamine Receptor-Conjugated Multidimensional Conducting Polymer Nanofiber Membrane for Dopamine Detection. ACS Applied Materials & Interfaces, 2016, 8, 28897-28903.	8.0	76
60	Bioelectronic Nose Using Odorant Binding Protein-Derived Peptide and Carbon Nanotube Field-Effect Transistor for the Assessment of <i>Salmonella</i> Contamination in Food. Analytical Chemistry, 2016, 88, 11283-11287.	6.5	61
61	Protein-stabilizing and cell-penetrating properties of β-helix domain of 30Kc19 protein. Biotechnology Journal, 2016, 11, 1443-1451.	3.5	18
62	Duplex Bioelectronic Tongue for Sensing Umami and Sweet Tastes Based on Human Taste Receptor Nanovesicles. ACS Nano, 2016, 10, 7287-7296.	14.6	78
63	Detection of aquaporin-4 antibody using aquaporin-4 extracellular loop-based carbon nanotube biosensor for the diagnosis of neuromyelitis optica. Biosensors and Bioelectronics, 2016, 78, 87-91.	10.1	33
64	Soluble expression and stability enhancement of transcription factors using 30Kc19 cell-penetrating protein. Applied Microbiology and Biotechnology, 2016, 100, 3523-3532.	3.6	21
65	Stem Cells: Physical Stimuli-Induced Chondrogenic Differentiation of Mesenchymal Stem Cells Using Magnetic Nanoparticles (Adv. Healthcare Mater. 9/2015). Advanced Healthcare Materials, 2015, 4, 1418-1418.	7.6	0
66	Inhibition of apoptosis in HeLa cell by silkworm storage protein 1, SP1. Biotechnology and Bioprocess Engineering, 2015, 20, 807-813.	2.6	15
67	Effect of light intensity on the correlation between cell mass concentration and optical density in high density culture of a filamentous microorganism. Korean Journal of Chemical Engineering, 2015, 32, 1842-1846.	2.7	4
68	Purification and functional reconstitution of human olfactory receptor expressed in Escherichia coli. Biotechnology and Bioprocess Engineering, 2015, 20, 423-430.	2.6	18
69	Screening of target-specific olfactory receptor and development of olfactory biosensor for the assessment of fungal contamination in grain. Sensors and Actuators B: Chemical, 2015, 210, 9-16.	7.8	31
70	Ion-Channel-Coupled Receptor-Based Platform for a Real-Time Measurement of G-Protein-Coupled Receptor Activities. ACS Nano, 2015, 9, 1699-1706.	14.6	23
71	Cell-based microfluidic platform for mimicking human olfactory system. Biosensors and Bioelectronics, 2015, 74, 554-561.	10.1	48
72	Bioelectronic nose combined with a microfluidic system for the detection of gaseous trimethylamine. Biosensors and Bioelectronics, 2015, 71, 179-185.	10.1	86

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73	Enhancement of human erythropoietin production in Chinese hamster ovary cells through supplementation of 30Kc19-30Kc6 fusion protein. <i>Process Biochemistry</i> , 2015, 50, 973-980.	3.7	9
74	Coupling of olfactory receptor and ion channel for rapid and sensitive visualization of odorant response. <i>Acta Biomaterialia</i> , 2015, 22, 1-7.	8.3	14
75	Physical Stimuli-Induced Chondrogenic Differentiation of Mesenchymal Stem Cells Using Magnetic Nanoparticles. <i>Advanced Healthcare Materials</i> , 2015, 4, 1339-1347.	7.6	51
76	An Ultrasensitive, Selective, Multiplexed Superbioelectronic Nose That Mimics the Human Sense of Smell. <i>Nano Letters</i> , 2015, 15, 6559-6567.	9.1	129
77	Real-time monitoring of geosmin and 2-methylisoborneol, representative odor compounds in water pollution using bioelectronic nose with human-like performance. <i>Biosensors and Bioelectronics</i> , 2015, 74, 199-206.	10.1	80
78	Intrinsic Hydrophobic Cairnlike Multilayer Films for Antibacterial Effect with Enhanced Durability. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26117-26123.	8.0	31
79	Complete genome sequence of <i>Enterobacter cloacae</i> GGT036: A furfural tolerant soil bacterium. <i>Journal of Biotechnology</i> , 2015, 193, 43-44.	3.8	7
80	Microfluidic bead-based sensing platform for monitoring kinase activity. <i>Biosensors and Bioelectronics</i> , 2014, 57, 1-9.	10.1	18
81	Nanovesicle-Based Bioelectronic Nose for the Diagnosis of Lung Cancer from Human Blood. <i>Advanced Healthcare Materials</i> , 2014, 3, 360-366.	7.6	83
82	Odorant detection using liposome containing olfactory receptor in the SPR system. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 188-193.	7.8	13
83	Enzyme delivery using the 30Kc19 protein and human serum albumin nanoparticles. <i>Biomaterials</i> , 2014, 35, 1696-1704.	11.4	51
84	Dimerization of 30Kc19 protein in the presence of amphiphilic moiety and importance of Cys57 during cell penetration. <i>Biotechnology Journal</i> , 2014, 9, 1582-1593.	3.5	15
85	Bioelectronic Tongue Using Heterodimeric Human Taste Receptor for the Discrimination of Sweeteners with Human-like Performance. <i>ACS Nano</i> , 2014, 8, 9781-9789.	14.6	75
86	Identification and characterization of a novel cell-penetrating peptide of 30Kc19 protein derived from <i>Bombyx mori</i> . <i>Process Biochemistry</i> , 2014, 49, 1516-1526.	3.7	17
87	Human dopamine receptor nanovesicles for gate-potential modulators in high-performance field-effect transistor biosensors. <i>Scientific Reports</i> , 2014, 4, 4342.	3.3	47
88	Rule-based in vitro molecular classification and visualization. <i>Biochip Journal</i> , 2013, 7, 29-37.	4.9	2
89	Anti-inflammatory effects of silkworm hemolymph on lipopolysaccharide-stimulated macrophages. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1784-1789.	2.7	2
90	High-throughput generation of spheroids using magnetic nanoparticles for three-dimensional cell culture. <i>Biomaterials</i> , 2013, 34, 8555-8563.	11.4	75

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91	Highly selective and sensitive detection of neurotransmitters using receptor-modified single-walled carbon nanotube sensors. <i>Nanotechnology</i> , 2013, 24, 285501.	2.6	40
92	Human Taste Receptor-Functionalized Field Effect Transistor as a Human-Like Nanobioelectronic Tongue. <i>Nano Letters</i> , 2013, 13, 172-178.	9.1	104
93	A peptide receptor-based bioelectronic nose for the real-time determination of seafood quality. <i>Biosensors and Bioelectronics</i> , 2013, 39, 244-249.	10.1	100
94	Antioxidant effect of protein-free silkworm hemolymph extract in mitochondrial membrane potential. <i>Food Science and Biotechnology</i> , 2013, 22, 233-239.	2.6	2
95	Editorial: <i>Biotechnology Journal</i> in Asia – the first official AFOB special issue. <i>Biotechnology Journal</i> , 2013, 8, 1246-1248.	3.5	3
96	Large-scale Graphene Micropattern Nano-biohybrids: High-Performance Transducers for FET-Type Flexible Fluidic HIV Immunoassays. <i>Advanced Materials</i> , 2013, 25, 4177-4185.	21.0	97
97	<i>Asticcacaulis solisilvae</i> sp. nov., isolated from forest soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3829-3834.	1.7	17
98	Bioelectronic nose with high sensitivity and selectivity using chemically functionalized carbon nanotube combined with human olfactory receptor. <i>Journal of Biotechnology</i> , 2012, 157, 467-472.	3.8	96
99	A bioelectronic sensor based on canine olfactory nanovesicle-carbon nanotube hybrid structures for the fast assessment of food quality. <i>Analyst</i> , The, 2012, 137, 3249.	3.5	99
100	Ultrasensitive Flexible Graphene Based Field-Effect Transistor (FET)-Type Bioelectronic Nose. <i>Nano Letters</i> , 2012, 12, 5082-5090.	9.1	312
101	Enhancement of recombinant human EPO production and glycosylation in serum-free suspension culture of CHO cells through expression and supplementation of 30Kc19. <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 671-683.	3.6	29
102	A protein delivery system using 30Kc19 cell-penetrating protein originating from silkworm. <i>Biomaterials</i> , 2012, 33, 9127-9134.	11.4	37
103	Ultrasensitive and Selective Recognition of Peptide Hormone Using Close-Packed Arrays of hPTHr-Conjugated Polymer Nanoparticles. <i>ACS Nano</i> , 2012, 6, 5549-5558.	14.6	52
104	Mimicking the human smell sensing mechanism with an artificial nose platform. <i>Biomaterials</i> , 2012, 33, 1722-1729.	11.4	106
105	Nanovesicle-based bioelectronic nose platform mimicking human olfactory signal transduction. <i>Biosensors and Bioelectronics</i> , 2012, 35, 335-341.	10.1	149
106	Stabilization of enzymes by the recombinant 30Kc19 protein. <i>Process Biochemistry</i> , 2012, 47, 164-169.	3.7	26
107	“Bioelectronic super-taster” device based on taste receptor-carbon nanotube hybrid structures. <i>Lab on A Chip</i> , 2011, 11, 2262.	6.0	71
108	Enhancement of recombinant human EPO production and sialylation in chinese hamster ovary cells through <i>Bombyx mori</i> 30Kc19 gene expression. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1634-1642.	3.3	45

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109	Recent advances in electronic and bioelectronic noses and their biomedical applications. <i>Enzyme and Microbial Technology</i> , 2011, 48, 427-437.	3.2	125
110	Specificity of odorant-binding proteins: a factor influencing the sensitivity of olfactory receptor-based biosensors. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 55-62.	3.4	25
111	Recent advances in the development of bioelectronic nose. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 22-29.	2.6	82
112	Cellular engineering for the high-level production of recombinant proteins in mammalian cell systems. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1042-1048.	2.7	10
113	Single-Atom Resolution Detection of Odorant Molecules using a Human Olfactory Receptor-based Bioelectronic Nose. <i>Advanced Materials</i> , 2009, 21, 91-94.	21.0	171
114	Enhancement of cellular olfactory signal by electrical stimulation. <i>Electrophoresis</i> , 2009, 30, 3283-3288.	2.4	29
115	Polypyrrole Nanotubes Conjugated with Human Olfactory Receptors: High-Performance Transducers for FET-Type Bioelectronic Noses. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2755-2758.	13.8	195
116	The targeting of endothelial progenitor cells to a specific location within a microfluidic channel using magnetic nanoparticles. <i>Biomedical Microdevices</i> , 2009, 11, 287-296.	2.8	57
117	Expression of Bombyx mori 30Kc19 protein in Escherichia coli and its anti-apoptotic effect in Sf9 cell. <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 645-650.	2.6	17
118	Expression, Solubilization and Purification of a Human Olfactory Receptor from Escherichia coli. <i>Current Microbiology</i> , 2009, 59, 309-314.	2.2	46
119	Real-time monitoring of odorant-induced cellular reactions using surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2009, 25, 55-60.	10.1	83
120	Cell-based olfactory biosensor using microfabricated planar electrode. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2659-2664.	10.1	80
121	Temperature management strategy for efficient gene expression in a thermally inducible Escherichia coli/bacteriophage system. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 470-475.	2.6	5
122	Enhancement of odorant detection sensitivity by the expression of odorant-binding protein. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1017-1023.	10.1	36
123	Inhibition of Apoptosis by a Bombyx mori Gene. <i>Biotechnology Progress</i> , 2008, 20, 324-329.	2.6	48
124	Cell-based measurement of odorant molecules using surface plasmon resonance. <i>Enzyme and Microbial Technology</i> , 2006, 39, 375-380.	3.2	71
125	Piezoelectric biosensor using olfactory receptor protein expressed in Escherichia coli. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1981-1986.	10.1	98
126	Enhancement of recombinant protein production in Chinese hamster ovary cells through anti-apoptosis engineering using 30Kc6 gene. <i>Biotechnology and Bioengineering</i> , 2006, 95, 459-467.	3.3	64

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127	Piezoelectric olfactory biosensor: ligand specificity and dose-dependence of an olfactory receptor expressed in a heterologous cell system. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1327-1332.	10.1	103
128	Beneficial effect of silkworm hemolymph on a CHO cell system: Inhibition of apoptosis and increase of EPO production. <i>Biotechnology and Bioengineering</i> , 2005, 91, 793-800.	3.3	54
129	Enhanced production of recombinant protein in <i>Escherichia coli</i> using silkworm hemolymph. <i>Biotechnology and Bioprocess Engineering</i> , 2005, 10, 353-356.	2.6	16
130	Anti-apoptosis engineering. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 76-82.	2.6	45
131	Miniaturization of polymerase chain reaction. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 213-220.	2.6	15
132	Purification of recombinant 30K protein produced in <i>Escherichia coli</i> and its anti-apoptotic effect in mammalian and insect cell systems. <i>Enzyme and Microbial Technology</i> , 2003, 33, 466-471.	3.2	36
133	Integration of Cell Culture and Microfabrication Technology. <i>Biotechnology Progress</i> , 2003, 19, 243-253.	2.6	439
134	Inhibition of apoptosis by recombinant 30K protein originating from silkworm hemolymph. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 523-528.	2.1	82
135	Biological Systems Engineering: An Overview. <i>ACS Symposium Series</i> , 2002, , 1-6.	0.5	0
136	Silkworm hemolymph as a potent inhibitor of apoptosis in Sf9 cells. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 779-783.	2.1	67
137	Beneficial Effects of Silkworm Hemolymph on the Cultivation of Insect Cell-Baculovirus System. <i>ACS Symposium Series</i> , 2002, , 153-162.	0.5	1
138	Inhibition of Human Cell Apoptosis by Silkworm Hemolymph. <i>Biotechnology Progress</i> , 2002, 18, 874-878.	2.6	64
139	Swimming characteristics of magnetic bacterium, <i>Magnetospirillum</i> sp. AMB-1, and implications as toxicity measurement. <i>Biotechnology and Bioengineering</i> , 2001, 76, 11-16.	3.3	29
140	Quantitative measurement of general odorant using electroantennogram of male silkworm moth, <i>Bombyx mori</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2000, 5, 150-152.	2.6	6
141	Analysis of two-stage continuous operation of <i>Escherichia coli</i> containing bacteriophage λ vector. <i>Bioprocess and Biosystems Engineering</i> , 2000, 23, 557-563.	3.4	6
142	Silkworm Hemolymph Inhibits Baculovirus-Induced Insect Cell Apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2000, 271, 186-190.	2.1	64
143	Kinetic Effect of Silkworm Hemolymph on the Delayed Host Cell Death in an Insect Cell-Baculovirus System. <i>Biotechnology Progress</i> , 1999, 15, 1028-1032.	2.6	48
144	Substrates that limit high density cultures of <i>Spodoptera frugiperda</i> cells. <i>Biotechnology Letters</i> , 1999, 13, 425-429.	0.5	2

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145	Characterization of bacteriophage ϕ Q Δ mutant for stable and efficient production of recombinant protein in <i>Escherichia coli</i> system. <i>Biotechnology and Bioengineering</i> , 1998, 57, 529-535.	3.3	16
146	Oxidation-deficient silkworm hemolymph as a medium supplement for insect cell culture. <i>Biotechnology and Bioprocess Engineering</i> , 1998, 3, 87-90.	2.6	4
147	Effect of incorrectly estimated parameters on the control of specific growth rate in <i>E. coli</i> fed-batch fermentation. <i>Biotechnology and Bioprocess Engineering</i> , 1996, 1, 22-25.	2.6	0
148	Silkworm hemolymph as a substitute for fetal bovine serum in insect cell culture. <i>Biotechnology Letters</i> , 1996, 10, 401.	0.5	34
149	Two - phase cultivation of insect cells for production of recombinant protein. <i>Biotechnology Letters</i> , 1995, 9, 719-724.	0.5	4
150	Growth limiting factors influencing high density culture of insect cells in Grace's medium. <i>Biotechnology Letters</i> , 1994, 16, 327.	2.2	13
151	Optimization of recombinant <i>Escherichia coli</i> fed-batch fermentation for bovine somatotropin. <i>Biotechnology Letters</i> , 1994, 16, 1119-1124.	2.2	9
152	Fed-batch operation of recombinant <i>Escherichia coli</i> containing <i>trp</i> promoter with controlled specific growth rate. <i>Biotechnology and Bioengineering</i> , 1994, 43, 995-999.	3.3	68