

Takeshi Omasa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166
papers

2,505
citations

26
h-index

41
g-index

176
ext. papers

2,771
ext. citations

3.3
avg, IF

4.76
L-index

#	Paper	IF	Citations
166	Violacein improves recombinant IgG production by controlling the cell cycle of Chinese hamster ovary cells. <i>Cytotechnology</i> , 2021 , 73, 319-332	2.2	2
165	Single-cell transcriptome analyses reveal heterogeneity in suspension cultures and clonal markers of CHO-K1 cells. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 944-951	4.9	3
164	Secretion of a low-molecular-weight species of endogenous GRP94 devoid of the KDEL motif during endoplasmic reticulum stress in Chinese hamster ovary cells. <i>Traffic</i> , 2021 , 22, 425-438	5.7	1
163	Production of monoclonal shark-derived immunoglobulin new antigen receptor antibodies using Chinese hamster ovary cell expression system. <i>Journal of Bioscience and Bioengineering</i> , 2021 , 132, 302-309	3.3	0
162	Build-up functionalization of anti-EGFR Anti-CD3 bispecific diabodies by integrating high-affinity mutants and functional molecular formats. <i>Scientific Reports</i> , 2020 , 10, 4913	4.9	3
161	Improvement of Intracellular Traffic System by Overexpression of KDEL Receptor 1 in Antibody-Producing CHO Cells. <i>Biotechnology Journal</i> , 2020 , 15, e1900352	5.6	4
160	Screening of new cell cycle suppressive compounds from marine-derived microorganisms in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 130, 106-113	3.3	2
159	Effect of the disulfide isomerase PD1a4 on the antibody production of Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 130, 637-643	3.3	2
158	Low-concentration staurosporine improves recombinant antibody productivity in Chinese hamster ovary cells without inducing cell death. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 130, 525-532	3.3	3
157	Establishment of fast-growing serum-free immortalised cells from Chinese hamster lung tissues for biopharmaceutical production. <i>Scientific Reports</i> , 2020 , 10, 17612	4.9	1
156	Characterization of Chinese hamster ovary cells with disparate chromosome numbers: Reduction of the amount of mRNA relative to total protein. <i>Journal of Bioscience and Bioengineering</i> , 2020 , 129, 121-128	3.3	1
155	Development of a scale-up strategy for Chinese hamster ovary cell culture processes using the k a ratio as a direct indicator of gas stripping conditions. <i>Biotechnology Progress</i> , 2020 , 36, e3000	2.8	3
154	Analysis of intracellular IgG secretion in Chinese hamster ovary cells to improve IgG production. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 127, 107-113	3.3	8
153	The Fab portion of immunoglobulin G contributes to its binding to Fcγreceptor III. <i>Scientific Reports</i> , 2019 , 9, 11957	4.9	23
152	Secretory leakage of IgG1 aggregates from recombinant Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 127, 752-757	3.3	1
151	Analysis of the immunoglobulin G (IgG) secretion efficiency in recombinant Chinese hamster ovary (CHO) cells by using Citrine-fusion IgG. <i>Cytotechnology</i> , 2019 , 71, 193-207	2.2	4
150	Secretion analysis of intracellular "difficult-to-express" immunoglobulin G (IgG) in Chinese hamster ovary (CHO) cells. <i>Cytotechnology</i> , 2019 , 71, 305-316	2.2	11

149	Atorvastatin Inhibits the HIF1 β PPAR Axis, Which Is Essential for Maintaining the Function of Human Induced Pluripotent Stem Cells. <i>Molecular Therapy</i> , 2018 , 26, 1715-1734	11.7	5
148	EGCG improves recombinant protein productivity in Chinese hamster ovary cell cultures via cell proliferation control. <i>Cytotechnology</i> , 2018 , 70, 1697-1706	2.2	6
147	Genome sequence comparison between Chinese hamster ovary (CHO) DG44 cells and mouse using end sequences of CHO BAC clones based on BAC-FISH results. <i>Cytotechnology</i> , 2018 , 70, 1399-1407	2.2	3
146	Enhanced IgG1 production by overexpression of nuclear factor kappa B inhibitor zeta (NFKBIZ) in Chinese hamster ovary cells. <i>Cytotechnology</i> , 2018 , 70, 675-685	2.2	6
145	Development of hyper osmotic resistant CHO host cells for enhanced antibody production. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 470-478	3.3	4
144	The Healing Effect of Human Milk Fat Globule-EGF Factor 8 Protein (MFG-E8) in A Rat Model of Parkinson's Disease. <i>Brain Sciences</i> , 2018 , 8,	3.4	3
143	The enhancement of antibody concentration and achievement of high cell density CHO cell cultivation by adding nucleoside. <i>Cytotechnology</i> , 2017 , 69, 511-521	2.2	24
142	Improved recombinant antibody production by CHO cells using a production enhancer DNA element with repeated transgene integration at a predetermined chromosomal site. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 123, 390-397	3.3	15
141	Lengthening of high-yield production levels of monoclonal antibody-producing Chinese hamster ovary cells by downregulation of breast cancer 1. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 123, 382-389	3.3	4
140	Identification of regulatory motifs in the CHO genome for stable monoclonal antibody production. <i>Cytotechnology</i> , 2017 , 69, 451-460	2.2	8
139	Rapid Colorimetric Antibody Detection Using a Dual-function Peptide Probe for Silver Nanoparticle Aggregation and Antibody Recognition. <i>Analytical Sciences</i> , 2016 , 32, 93-7	1.7	9
138	Metabolic analysis of antibody producing Chinese hamster ovary cell culture under different stresses conditions. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 117-24	3.3	4
137	Increased recombinant protein production owing to expanded opportunities for vector integration in high chromosome number Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 226-31	3.3	11
136	What Kind of Signaling Maintains Pluripotency and Viability in Human-Induced Pluripotent Stem Cells Cultured on Laminin-511 with Serum-Free Medium?. <i>BioResearch Open Access</i> , 2016 , 5, 84-93	2.4	14
135	Rapid evaluation of N-glycosylation status of antibodies with chemiluminescent lectin-binding assay. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 107-10	3.3	15
134	Improved gene amplification by cell-cycle engineering combined with the Cre-loxP system in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 701-8	3.3	4
133	Optimization of cell line development in the GS-CHO expression system using a high-throughput, single cell-based clone selection system. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 323-9	3.3	25
132	Approaches to Quality Risk Management When Using Single-Use Systems in the Manufacture of Biologics. <i>AAPS PharmSciTech</i> , 2015 , 16, 993-1001	3.9	6

131	Effect of polyphenols on reactive oxygen species production and cell growth of human dermal fibroblasts after irradiation with ultraviolet-A light. <i>Biocontrol Science</i> , 2015 , 20, 27-33	1.5	9
130	Improved Photobactericidal Activity of Ultraviolet-A Light in Combination with Isomerizable p-Coumaric Acid Derivatives. <i>Biocontrol Science</i> , 2015 , 20, 231-8	1.5	1
129	Stability difference of each chromosome in Chinese Hamster Ovary cell line. <i>BMC Proceedings</i> , 2015 , 9, P1	2.3	2
128	Construction of a gene knockout CHO cell line using a simple gene targeting method. <i>BMC Proceedings</i> , 2015 , 9, P2	2.3	3
127	Synergistic Photobactericidal Activity Based on Ultraviolet-A Irradiation and Ferulic Acid Derivatives. <i>Photochemistry and Photobiology</i> , 2015 , 91, 1422-8	3.6	9
126	Efficient enrichment of high-producing recombinant Chinese hamster ovary cells for monoclonal antibody by flow cytometry. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 340-6	3.3	11
125	Glycosylation analysis of an aggregated antibody produced by Chinese hamster ovary cells in bioreactor culture. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 639-44	3.3	21
124	Neuraminidase gene homology contributes to the protective activity of influenza vaccines prepared from the influenza virus library. <i>Journal of General Virology</i> , 2014 , 95, 2365-2371	4.9	1
123	Synergistic antimicrobial activity based on the combined use of a gemini-quaternary ammonium compound and ultraviolet-A light. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 130, 226-33	6.7	13
122	3.2 Chromosome Rearrangements and Gene Amplification 2014 , 127-143		1
121	Rearranging the domain order of a diabody-based IgG-like bispecific antibody enhances its antitumor activity and improves its degradation resistance and pharmacokinetics. <i>MAbs</i> , 2014 , 6, 1243-54	6.6	15
120	The osteoblastic differentiation ability of human dedifferentiated fat cells is higher than that of adipose stem cells from the buccal fat pad. <i>Clinical Oral Investigations</i> , 2014 , 18, 1893-901	4.2	28
119	Trehalose suppresses antibody aggregation during the culture of Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 632-8	3.3	14
118	Generation of high-producing cell lines by overexpression of cell division cycle 25 homolog A in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 754-60	3.3	15
117	Rapid construction of transgene-amplified CHO cell lines by cell cycle checkpoint engineering. <i>BMC Proceedings</i> , 2013 , 7, O7	2.3	2
116	Dynamical analysis of antibody aggregation in the CHO cell culture with Thermo Responsive Protein A (TRPA) column. <i>BMC Proceedings</i> , 2013 , 7, P69	2.3	78
115	Chemical chaperone suppresses the antibody aggregation in CHO cell culture. <i>BMC Proceedings</i> , 2013 , 7, P68	2.3	1
114	Rapid construction of transgene-amplified CHO cell lines by cell cycle checkpoint engineering. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 5731-41	5.7	14

113	Dedifferentiated fat cells differentiate into osteoblasts in titanium fiber mesh. <i>Cytotechnology</i> , 2013 , 65, 15-22	2.2	25
112	Improved antibody production in Chinese hamster ovary cells by ATF4 overexpression. <i>Cytotechnology</i> , 2013 , 65, 993-1002	2.2	23
111	Overexpression of mutant cell division cycle 25 homolog B (CDC25B) enhances the efficiency of selection in Chinese hamster ovary cells. <i>Cytotechnology</i> , 2013 , 65, 1017-26	2.2	4
110	Development of a continuous bioconversion system using a thermophilic whole-cell biocatalyst. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 1996-2001	4.8	21
109	An MDCK cell culture-derived formalin-inactivated influenza virus whole-virion vaccine from an influenza virus library confers cross-protective immunity by intranasal administration in mice. <i>Vaccine Journal</i> , 2013 , 20, 998-1007		11
108	Two routes of MexS-MexT-mediated regulation of MexEF-OprN and MexAB-OprM efflux pump expression in <i>Pseudomonas aeruginosa</i> . <i>Microbiology and Immunology</i> , 2013 , 57, 263-72	2.7	29
107	Synthesis and biological activity of thiazolyl-acetic acid derivatives as possible antimicrobial agents. <i>Biocontrol Science</i> , 2013 , 18, 59-73	1.5	7
106	Synthesis of thiazole derivatives and evaluation of their antiamebic activity and cytotoxicity. <i>Biocontrol Science</i> , 2013 , 18, 183-91	1.5	3
105	Construction of membrane-anchoring fusion protein of <i>Thermococcus kodakaraensis</i> glycerol kinase and its application to repetitive batchwise reactions. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 521-5	3.3	2
104	Identification of the replication region of a 111-kb circular plasmid from <i>Rhodococcus opacus</i> B-4 by λ Red recombination-based deletion analysis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 1758-64	2.1	2
103	Fluorescence in situ hybridization using bacterial artificial chromosome (BAC) clones for the analysis of chromosome rearrangement in Chinese hamster ovary cells. <i>Methods</i> , 2012 , 56, 418-23	4.6	11
102	Synthetic metabolic engineering-a novel, simple technology for designing a chimeric metabolic pathway. <i>Microbial Cell Factories</i> , 2012 , 11, 120	6.4	69
101	Inhibition of CYP3A4 by 6',7'-dihydroxybergamottin in human CYP3A4 over-expressed hepG2 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2012 , 64, 1715-21	4.8	4
100	Consideration of a Safe Protocol for Hepatocyte Transplantation Using Infantile Pigs. <i>Cell Medicine</i> , 2012 , 3, 13-18	4.9	13
99	Construction of BAC-based physical map and analysis of chromosome rearrangement in Chinese hamster ovary cell lines. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1357-67	4.9	53
98	Preface. <i>Cytotechnology</i> , 2012 , 64, 217-8	2.2	
97	Enhancement of sialylation on humanized IgG-like bispecific antibody by overexpression of α 6-sialyltransferase derived from Chinese hamster ovary cells. <i>Applied Microbiology and Biotechnology</i> , 2012 , 94, 69-80	5.7	36
96	Action of reactive oxygen species in the antifungal mechanism of gemini-pyridinium salts against yeast. <i>Biocontrol Science</i> , 2012 , 17, 77-82	1.5	16

95	Feasibility of thermophilic adenosine triphosphate-regeneration system using <i>Thermus thermophilus</i> polyphosphate kinase. <i>Process Biochemistry</i> , 2011 , 46, 1747-1752	4.8	24
94	Hyaluronic acid production by recombinant <i>Streptococcus thermophilus</i> . <i>Journal of Bioscience and Bioengineering</i> , 2011 , 111, 665-70	3.3	49
93	N-terminal vacuolar sorting signal at the mouse antibody alters the N-linked glycosylation pattern in suspension-cultured tobacco BY2 cells. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 476-84	3.3	7
92	Thermal analysis for differentiating between oleaginous and non-oleaginous microorganisms. <i>Biochemical Engineering Journal</i> , 2011 , 57, 23-29	4.2	8
91	ATF4 over-expression increased IgG1 productivity in Chinese hamster ovary cells. <i>BMC Proceedings</i> , 2011 , 5 Suppl 8, O11	2.3	1
90	Chromosome identification and its application in Chinese hamster ovary cells. <i>BMC Proceedings</i> , 2011 , 5 Suppl 8, O8	2.3	2
89	Simultaneous thermogravimetry and differential thermal analysis for comparing burning characteristics between oleaginous and non-oleaginous microorganisms. <i>Thermochimica Acta</i> , 2011 , 517, 115-120	2.9	4
88	Mutation in the <i>sdeS</i> gene promotes expression of the <i>sdeAB</i> efflux pump genes and multidrug resistance in <i>Serratia marcescens</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 2922-6	5.9	13
87	Cell engineering and cultivation of chinese hamster ovary (CHO) cells. <i>Current Pharmaceutical Biotechnology</i> , 2010 , 11, 233-40	2.6	106
86	Electron microscopic analysis of heat-induced leakage of polyphosphate from a <i>phoU</i> mutant of <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 865-8	2.1	6
85	?????????????????????. <i>Kagaku To Seibutsu</i> , 2010 , 48, 255-262	0	0
84	Glycosylation pattern of humanized IgG-like bispecific antibody produced by recombinant CHO cells. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 535-42	5.7	23
83	Systematic screening of <i>Escherichia coli</i> single-gene knockout mutants for improving recombinant whole-cell biocatalysts. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 647-55	5.7	8
82	Enhanced antibody production following intermediate addition based on flux analysis in mammalian cell continuous culture. <i>Bioprocess and Biosystems Engineering</i> , 2010 , 33, 117-25	3.7	23
81	Identification and analysis of specific chromosomal region adjacent to exogenous <i>Dhfr</i> -amplified region in Chinese hamster ovary cell genome. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 504-11	3.3	13
80	Enhancement of recombinant enzyme activity in <i>cpxA</i> -deficient mutant of <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2010 , 110, 403-7	3.3	2
79	Effects of palindrome structure on <i>Dhfr</i> amplification in Chinese hamster ovary cells. <i>Process Biochemistry</i> , 2010 , 45, 1845-1851	4.8	7
78	Production of 2-deoxyribose 5-phosphate from fructose to demonstrate a potential of artificial bio-synthetic pathway using thermophilic enzymes. <i>Journal of Biotechnology</i> , 2010 , 148, 204-7	3.7	23

77	Biochemical Engineering Science dedicated to Professor Dr. T. Yoshida. <i>Process Biochemistry</i> , 2010 , 45, 1843-1844	4.8	
76	Change in glycosylation pattern with extension of endoplasmic reticulum retention signal sequence of mouse antibody produced by suspension-cultured tobacco BY2 cells. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 107, 165-72	3.3	14
75	Effect of cell-surface hydrophobicity on bacterial conversion of water-immiscible chemicals in two-liquid-phase culture systems. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 108, 116-20	3.3	14
74	Bacterial artificial chromosome library for genome-wide analysis of Chinese hamster ovary cells. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 986-94	4.9	29
73	Extractive lactic acid fermentation with tri-n-decylamine as the extractant. <i>Enzyme and Microbial Technology</i> , 2009 , 44, 350-354	3.8	33
72	A comparison of various methods to predict bacterial predilection for organic solvents used as reaction media. <i>Journal of Bioscience and Bioengineering</i> , 2008 , 106, 357-62	3.3	29
71	Decrease in antithrombin III fucosylation by expressing GDP-fucose transporter siRNA in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2008 , 106, 168-73	3.3	21
70	Expression of <i>Rhodococcus opacus</i> alkB genes in anhydrous organic solvents. <i>Journal of Bioscience and Bioengineering</i> , 2008 , 106, 199-203	3.3	28
69	Overexpression of GADD34 enhances production of recombinant human antithrombin III in Chinese hamster ovary cells. <i>Journal of Bioscience and Bioengineering</i> , 2008 , 106, 568-73	3.3	49
68	Human CYP3A4-introduced HepG2 cells: in vitro screening system of new chemicals for the evaluation of CYP3A4-inhibiting activity. <i>Xenobiotica</i> , 2008 , 38, 1355-64	2	4
67	Stabilization of water-in-oil emulsion by <i>Rhodococcus opacus</i> B-4 and its application to biotransformation. <i>Applied Microbiology and Biotechnology</i> , 2008 , 78, 767-73	5.7	22
66	Improved production of recombinant human antithrombin III in Chinese hamster ovary cells by ATF4 overexpression. <i>Biotechnology and Bioengineering</i> , 2008 , 100, 317-24	4.9	82
65	Utilization of hydrophobic bacterium <i>Rhodococcus opacus</i> B-4 as whole-cell catalyst in anhydrous organic solvents. <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 761-7	5.7	34
64	Integrated biooxidation and acid dehydration process for monohydroxylation of aromatics. <i>Process Biochemistry</i> , 2007 , 42, 46-51	4.8	5
63	Production of mouse monoclonal antibody with galactose-extended sugar chain by suspension cultured tobacco BY2 cells expressing human beta(1,4)-galactosyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 358, 85-91	3.4	31
62	N-linked glycan structures of a mouse monoclonal antibody produced from tobacco BY2 suspension-cultured cells. <i>Journal of Bioscience and Bioengineering</i> , 2006 , 101, 212-8	3.3	22
61	Double-compartment cell culture apparatus: construction and biochemical evaluation for bioartificial liver support. <i>Cell Transplantation</i> , 2006 , 15, 945-52	4	6
60	The significant improvement of survival times and pathological parameters by bioartificial liver with recombinant HepG2 in porcine liver failure model. <i>Cell Transplantation</i> , 2006 , 15, 873-80	4	22

59	Recognition of culture state using two-dimensional gel electrophoresis with an artificial neural network. <i>Proteomics</i> , 2006 , 6, 3730-8	4.8	9
58	Construction and evaluation of drug-metabolizing cell line for bioartificial liver support system. <i>Biotechnology Progress</i> , 2005 , 21, 161-7	2.8	9
57	The bioreactor with CYP3A4- and glutamine synthetase-introduced HepG2 cells: treatment of hepatic failure dog with diazepam overdosage. <i>Artificial Organs</i> , 2005 , 29, 681-4	2.6	17
56	Effect of sulfur sources on specific desulfurization activity of <i>Rhodococcus erythropolis</i> KA2-5-1 in exponential fed-batch culture. <i>Journal of Bioscience and Bioengineering</i> , 2005 , 99, 259-63	3.3	24
55	The separation of oil from an oil/water/Bacteria mixture using a hydrophobic tubular membrane. <i>Biochemical Engineering Journal</i> , 2005 , 24, 49-54	4.2	25
54	A practical kinetic model for efficient isolation of useful antibodies from phage display libraries. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004 , 28, 191-200		8
53	Real time monitoring of drug metabolic enzyme response inside human hepatoma GS-3A4-HepG2 cells by means of electrochemical impedance measurement. <i>Polymers for Advanced Technologies</i> , 2004 , 15, 232-243	3.2	3
52	Expression and amplification of glutamine synthetase gene endows HepG2 cells with ammonia-metabolizing activity for bioartificial liver support system. <i>Enzyme and Microbial Technology</i> , 2004 , 35, 519-524	3.8	6
51	An attempt at decision making in tissue engineering: reactor evaluation using the analytic hierarchy process (AHP). <i>Biochemical Engineering Journal</i> , 2004 , 20, 173-179	4.2	15
50	Changes in Microflora During Composting of an Aquatic Plant, Brazilian Elodea. <i>Journal of Chemical Engineering of Japan</i> , 2003 , 36, 1201-1205	0.8	5
49	Construction of Liver Model with Genetically Engineered Human HepG2 Cells 2003 , 25-29		
48	Construction of a fuzzy control system for a bioreactor using biomass support particles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002 , 17, 207-213		2
47	Gene amplification and its application in cell and tissue engineering. <i>Journal of Bioscience and Bioengineering</i> , 2002 , 94, 600-5	3.3	51
46	Artificial mimicking of physiological active transport by a membrane co-cultured with two different cells: hepatic origin HepG2 and renal origin PCTL-MDR. <i>Artificial Organs</i> , 2002 , 26, 806-11	2.6	5
45	Analysis and Optimization of Biopanning Process of Phage Display Libraries. <i>ACS Symposium Series</i> , 2002 , 271-284	0.4	1
44	Molecular cloning and sequencing of the human heme-regulated eukaryotic initiation factor 2 alpha (eIF-2 alpha) kinase from bone marrow culture. <i>DNA Sequence</i> , 2002 , 13, 133-7		3
43	Effect of Sugar Composition on the Heterogeneity of Antibod in Hybridoma Cultivation 2002 , 139-143		
42	Energy Metabolism and Antibody Production Based on Flux Analysis in Hybridoma 2002 , 11-15		

41	Expression and Amplification of Glutamine Synthetase Gene for Constructing Ammonia-Metabolizing Cell Lines in Hybrid Bioartificial Liver Support System 2002 , 263-267		
40	Coculture of hepatic and renal origin cell lines provides biohemofiltration with an active transport system of xenobiotics metabolites. <i>Journal of Artificial Organs</i> , 2001 , 4, 336-341	1.8	2
39	A bioreactor with glutamine synthetase-transfected recombinant HepG2 cells exhibits ammonia removal activity without the need for added cofactors and substrates: Advantage of a cellular bioreactor over enzyme-immobilized beads. <i>Journal of Artificial Organs</i> , 2001 , 4, 348-352	1.8	3
38	Application of circulatory flow bioreactor for long-term and large-scale culture of glutamine synthetase transduced CHO cells and its ammonia removal activity with an aim of development for a bioartificial liver assist system. <i>Journal of Artificial Organs</i> , 2001 , 4, 61-66	1.8	2
37	Flow cytometry: an improved method for the selection of highly productive gene-amplified CHO cells using flow cytometry. <i>Biotechnology and Bioengineering</i> , 2001 , 74, 435-42	4.9	42
36	A cDNA from human bone marrow encoding a protein exhibiting homology to the ATP1gamma1/PLM/MAT8 family of transmembrane proteins. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001 , 1517, 307-10		4
35	Constrained optimization of l-lysine production based on metabolic flux using a mathematical programming method. <i>Journal of Bioscience and Bioengineering</i> , 2001 , 91, 344-351	3.3	4
34	Measurement of association rate constant of antibody-antigen interaction in solution based on enzyme-linked immunosorbent assay. <i>Journal of Bioscience and Bioengineering</i> , 2001 , 92, 330-336	3.3	22
33	A kinetic model for a biopanning process considering antigen desorption and effective antigen concentration on a solid phase. <i>Journal of Bioscience and Bioengineering</i> , 2001 , 91, 474-481	3.3	16
32	In Vivo Estimation of Bioartificial Liver with Recombinant HepG2 Cells Using Pigs with Ischemic Liver Failure. <i>Cell Transplantation</i> , 2001 , 10, 429-433	4	36
31	Long-term culture of glutamine synthetase-transfected HepG2 cells in circulatory flow bioreactor for development of a bioartificial liver. <i>Cell Transplantation</i> , 2000 , 9, 711-5	4	30
30	Efficient production of desulfurizing cells with the aid of expert system. <i>Biochemical Engineering Journal</i> , 2000 , 5, 143-147	4.2	19
29	Amplified gene location in chromosomal DNA affected recombinant protein production and stability of amplified genes. <i>Biotechnology Progress</i> , 2000 , 16, 710-5	2.8	78
28	Increase in desulfurization activity of <i>Rhodococcus erythropolis</i> KA2-5-1 using ethanol feeding. <i>Journal of Bioscience and Bioengineering</i> , 2000 , 89, 361-6	3.3	50
27	l-Lysine production by exponential feeding of l-threonine. <i>Journal of Bioscience and Bioengineering</i> , 2000 , 90, 669-674	3.3	9
26	Evaluation of stable and highly productive gene amplified CHO cell line based on the location of amplified genes. <i>Cytotechnology</i> , 2000 , 33, 37-46	2.2	40
25	Control of antibody-antigen interaction using anion-induced conformational change in antigen peptide. <i>Protein Engineering, Design and Selection</i> , 2000 , 13, 719-24	1.9	4
24	Development of a bioartificial liver with glutamine synthetase-transduced recombinant human hepatoblastoma cell line, HepG2. <i>Transplantation Proceedings</i> , 2000 , 32, 2355-8	1.1	21

23	L-Lysine production by exponential feeding of L-threonine. <i>Journal of Bioscience and Bioengineering</i> , 2000 , 90, 669-74	3.3	12
22	The importance of ionic strength as a parameter in screening peptide ligands from a phage display library. <i>Journal of Bioscience and Bioengineering</i> , 1998 , 85, 447-450		2
21	Effect of methanol concentration on the production of human α -glycoprotein I domain V by a recombinant <i>Pichia pastoris</i> : A simple system for the control of methanol concentration using a semiconductor gas sensor. <i>Journal of Bioscience and Bioengineering</i> , 1998 , 86, 482-487		100
20	Energy Metabolism and Antibody Production Based on Flux Analysis in Hybridoma Cultivation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1998 , 31, 451-454		
19	Biomedical Engineering. Construction of Ammonia Metabolizing Cell Line for Artificial Hybrid Liver Support System Using Recombinant DNA Techniques.. <i>Kagaku Kogaku Ronbunshu</i> , 1998 , 24, 184-189	0.4	3
18	Selection and Stability for a Recombinant CHO Cell Line Expressing Human GM-CSF in Gene Amplification 1998 , 29-33		
17	Effect of Culture Conditions on Glycosylation in Hybridoma Antibody Production 1998 , 35-39		
16	An attempt to add biological functions by genetic engineering in order to produce high-performance bioreactor cells for hybrid artificial liver: transfection of glutamine synthetase into Chinese hamster ovary (CHO) cell. <i>Cell Transplantation</i> , 1997 , 6, 537-40	4	6
15	Fluorescence polarization study of a salt bridge between a single-chain Fv and its antigen ribonuclease A. <i>Molecular Immunology</i> , 1997 , 34, 731-4	4.3	7
14	Fluorescence polarization study of a salt bridge between a single chain Fv and its antigen ribonuclease A. <i>Molecular Immunology</i> , 1997 , 34, 887-90	4.3	3
13	An Attempt to Add Biological Functions by Genetic Engineering in Order to Produce High-Performance Bioreactor Cells for Hybrid Artificial Liver: Transfection of Glutamine Synthetase into Chinese Hamster Ovary (CHO) Cell. <i>Cell Transplantation</i> , 1997 , 6, 537-540	4	10
12	Analysis of Antibody Production Based on Energy Metabolism in Hybridoma 1997 , 261-265		1
11	Cloning of cDNA and characterization of anti-RNase A monoclonal antibody 3A21. <i>Journal of Bioscience and Bioengineering</i> , 1996 , 82, 312-314		22
10	Enhancement of antibody production by growth factor addition in perfusion and hollow-fiber culture systems. <i>Biotechnology and Bioengineering</i> , 1995 , 48, 673-80	4.9	6
9	Enhancement effects of BSA and linoleic acid on hybridoma cell growth and antibody production. <i>Cytotechnology</i> , 1994 , 15, 51-6	2.2	10
8	Enhancement effects of BSA and linoleic acid on hybridoma cell growth and antibody production. <i>Current Applications of Cell Culture Engineering</i> , 1994 , 51-56		
7	The Analysis of Antigen-Antibody Binding Using Anti-RNase A Single Chain Fv-3A21 1994 , 243-247		
6	Effect of the Cell-Cycle Phase on Hybridoma Culture 1993 , 543-549		

5	The enhancement of specific antibody production rate in glucose- and glutamine-controlled fed-batch culture. <i>Cytotechnology</i> , 1992 , 8, 75-84	2.2	45
4	Effects of lactate concentration on hybridoma culture in lactate-controlled fed-batch operation. <i>Biotechnology and Bioengineering</i> , 1992 , 39, 556-64	4.9	140
3	The Effects of Glutamine and Glucose Concentration on Hybridoma Cell Growth and Antibody Productivity 1992 , 323-326		2
2	The Effects of Glutamine Concentration on Growth and Monoclonal Antibody Production in Fed-Batch Operation 1992 , 265-270		
1	Hybridoma Culture in the Hollow-Fiber System -The Effects of Growth Factors- 1991 , 229-236		2