

Teruyuki Nagamune

List of Publications by Year in descending order

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327
papers

7,440
citations

61857

43
h-index

91712

69
g-index

339
all docs

339
docs citations

339
times ranked

7187
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of the linkers which effectively separate domains of a bifunctional fusion protein. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 529-532.	1.0	535
2	Sortase-Mediated Ligation: A Gift from Gram-Positive Bacteria to Protein Engineering. <i>ChemBioChem</i> , 2009, 10, 787-798.	1.3	186
3	Open sandwich ELISA: A novel immunoassay based on the interchain interaction of antibody variable region. <i>Nature Biotechnology</i> , 1996, 14, 1714-1718.	9.4	159
4	Icariin induces osteogenic differentiation in vitro in a BMP- and Runx2-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 444-448.	1.0	158
5	Post-translational modification is essential for catalytic activity of nitrile hydratase. <i>Protein Science</i> , 2000, 9, 1024-1030.	3.1	156
6	Site-Specific Protein Modification on Living Cells Catalyzed by Sortase. <i>ChemBioChem</i> , 2008, 9, 802-807.	1.3	151
7	Protein refolding using chemical refolding additives. <i>Biotechnology Journal</i> , 2013, 8, 17-31.	1.8	121
8	Activity Regulation of Photoreactive Nitrile Hydratase by Nitric Oxide. <i>Journal of the American Chemical Society</i> , 1997, 119, 3785-3791.	6.6	116
9	High-efficiency DNA injection into a single human mesenchymal stem cell using a nanoneedle and atomic force microscopy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 215-225.	1.7	115
10	Rapid Protein Anchoring into the Membranes of Mammalian Cells Using Oleyl Chain and Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10	1.3	109
11	Conformations of variably linked chimeric proteins evaluated by synchrotron X-ray small-angle scattering. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 829-838.	1.5	109
12	Icariin: A Potential Osteoinductive Compound for Bone Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2010, 16, 233-243.	1.6	94
13	Photosensitive nitrile hydratase intrinsically possesses nitric oxide bound to the non-heme iron center: evidence by Fourier transform infrared spectroscopy. <i>FEBS Letters</i> , 1995, 358, 9-12.	1.3	88
14	Biomolecular engineering for nanobio/bionanotechnology. <i>Nano Convergence</i> , 2017, 4, 9.	6.3	86
15	Demonstration of a Homogeneous Noncompetitive Immunoassay Based on Bioluminescence Resonance Energy Transfer. <i>Analytical Biochemistry</i> , 2001, 289, 77-81.	1.1	76
16	Immobilized culture of nonadherent cells on an oleyl poly(ethylene glycol) ether-modified surface. <i>BioTechniques</i> , 2003, 35, 1014-1021.	0.8	75
17	Molecular Assembly of P450 with Ferredoxin and Ferredoxin Reductase by Fusion to PCNA. <i>ChemBioChem</i> , 2010, 11, 1517-1520.	1.3	74
18	N-terminal glycine-specific protein conjugation catalyzed by microbial transglutaminase. <i>FEBS Letters</i> , 2005, 579, 2092-2096.	1.3	72

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19	High Speed Polymerase Chain Reaction in Constant Flow. <i>Bioscience, Biotechnology and Biochemistry</i> , 1994, 58, 349-352.	0.6	71
20	Design of Ca ²⁺ -independent <i>Staphylococcus aureus</i> sortase A mutants. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2955-2961.	1.7	71
21	Ca ²⁺ -independent sortase ^A exhibits high selective protein ligation activity in the cytoplasm of <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2015, 10, 1487-1492.	1.8	67
22	Expansion of the sortase-mediated labeling method for site-specific N-terminal labeling of cell surface proteins on living cells. <i>Chemical Communications</i> , 2009, , 1022.	2.2	66
23	Photocontrollable Dynamic Micropatterning of Non-adherent Mammalian Cells Using a Photocleavable Poly(ethylene glycol) Lipid. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 128-131.	7.2	63
24	Purification of inactivated photoresponsive nitrile hydratase. <i>Biochemical and Biophysical Research Communications</i> , 1990, 168, 437-442.	1.0	61
25	Bone-Like Tissue Formation by Three-Dimensional Culture of MG63 Osteosarcoma Cells in Gelatin Hydrogels Using Calcium-Enriched Medium. <i>Tissue Engineering</i> , 2006, 12, 927-937.	4.9	60
26	Protein Refolding by N-Alkylpyridinium and N-Alkyl-N-methylpyrrolidinium Ionic Liquids. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 957-967.	1.4	57
27	Engineering of Functional Chimeric Protein G ⁺ VargulaLuciferase. <i>Analytical Biochemistry</i> , 1997, 249, 147-152.	1.1	56
28	Enhancement of sortase A-mediated protein ligation by inducing a β^2 -hairpin structure around the ligation site. <i>Chemical Communications</i> , 2011, 47, 4742.	2.2	55
29	Open Sandwich Enzyme-Linked Immunosorbent Assay for the Quantitation of Small Haptens. <i>Analytical Biochemistry</i> , 2000, 286, 238-246.	1.1	54
30	Cell-Based Odorant Sensor Array for Odor Discrimination Based on Insect Odorant Receptors. <i>Journal of Chemical Ecology</i> , 2016, 42, 716-724.	0.9	54
31	Detection of protein-protein interaction by bioluminescence resonance energy transfer from firefly luciferase to red fluorescent protein. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 362-364.	1.1	52
32	Peptidyl Linkers for Protein Heterodimerization Catalyzed by Microbial Transglutaminase. <i>Bioconjugate Chemistry</i> , 2004, 15, 491-497.	1.8	52
33	Bone regeneration using collagen type I vitrigel with bone morphogenetic protein-2. <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 318-323.	1.1	51
34	PHOTOSENSITIVE PHENOMENA OF NITRILE HYDRATASE OF <i>Rhodococcus</i> sp. N-771. <i>Photochemistry and Photobiology</i> , 1990, 51, 87-90.	1.3	50
35	Microbial ecology of nitrifying bacteria in wastewater treatment process examined by fluorescence in situ hybridization. <i>Journal of Bioscience and Bioengineering</i> , 2000, 90, 234-240.	1.1	50
36	S-Peptide as a Potent Peptidyl Linker for Protein Cross-Linking by Microbial Transglutaminase from <i>Streptomyces mobaraensis</i> . <i>Bioconjugate Chemistry</i> , 2003, 14, 351-357.	1.8	50

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37	Cell adhesion ability of artificial extracellular matrix proteins containing a long repetitive Arg-Gly-Asp sequence. <i>Journal of Bioscience and Bioengineering</i> , 2005, 100, 82-87.	1.1	50
38	Open sandwich ELISA with VH-/VL-alkaline phosphatase fusion proteins. <i>Journal of Immunological Methods</i> , 1999, 224, 171-184.	0.6	49
39	Fluorolabeling of antibody variable domains with green fluorescent protein variants: application to an energy transfer-based homogeneous immunoassay. <i>Protein Engineering, Design and Selection</i> , 2000, 13, 369-376.	1.0	49
40	Enzymatic labeling of a single chain variable fragment of an antibody with alkaline phosphatase by microbial transglutaminase. <i>Biotechnology and Bioengineering</i> , 2004, 86, 399-404.	1.7	47
41	Induction of oligodendrocyte differentiation from adult human fibroblast-derived induced pluripotent stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2011, 47, 464-469.	0.7	47
42	Site-specific conjugation of oligonucleotides to the C-terminus of recombinant protein by expressed protein ligation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 2407-2410.	1.0	46
43	Creation of a Thermostable Firefly Luciferase with pH-insensitive Luminescent Color. <i>Photochemistry and Photobiology</i> , 2003, 77, 333.	1.3	45
44	Screening of FGF target genes in <i>Xenopus</i> by microarray: temporal dissection of the signalling pathway using a chemical inhibitor. <i>Genes To Cells</i> , 2004, 9, 749-761.	0.5	43
45	Intramolecular electron transfer in a cytochrome P450cam system with a site-specific branched structure. <i>Protein Engineering, Design and Selection</i> , 2007, 20, 453-459.	1.0	43
46	Flow injection microbial trichloroethylene sensor. <i>Talanta</i> , 2002, 57, 271-276.	2.9	42
47	Properties of an alcohol dehydrogenase from the hyperthermophilic archaeon <i>Aeropyrum pernix</i> K1. <i>Journal of Bioscience and Bioengineering</i> , 2004, 97, 202-206.	1.1	42
48	Gene organization and low regioselectivity in aromatic-ring hydroxylation of a benzene monooxygenase of <i>Pseudomonas aeruginosa</i> J1104. <i>Journal of Bioscience and Bioengineering</i> , 1996, 82, 421-425.	0.9	41
49	Observation of Charge State and Conformational Change in Immobilized Protein Using Surface Plasmon Resonance Sensor. <i>Analytical Biochemistry</i> , 2001, 293, 185-193.	1.1	41
50	Rapid homogeneous immunoassay of peptides based on bioluminescence resonance energy transfer from firefly luciferase. <i>Journal of Bioscience and Bioengineering</i> , 2002, 93, 537-542.	1.1	41
51	Light-activated gene expression from site-specific caged DNA with a biotinylated photolabile protection group. <i>Chemical Communications</i> , 2010, 46, 2244.	2.2	41
52	Hydrodynamic and mass transfer study of a gas-liquid-solid draft tube spouted bed bioreactor. <i>Chemical Engineering Science</i> , 1992, 47, 3581-3588.	1.9	40
53	Comparison of efficiency of terminal differentiation of oligodendrocytes from induced pluripotent stem cells versus embryonic stem cells in vitro. <i>Journal of Bioscience and Bioengineering</i> , 2010, 109, 622-628.	1.1	40
54	Construction of a small-molecule-integrated semisynthetic split intein for in vivo protein ligation. <i>Chemical Communications</i> , 2007, , 4995.	2.2	39

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55	Homogeneous Noncompetitive Immunoassay Based on the Energy Transfer Between Fluorolabeled Antibody Variable Domains (Open Sandwich Fluoroimmunoassay). <i>BioTechniques</i> , 1999, 27, 738-742.	0.8	38
56	A Homogeneous Noncompetitive Immunoassay for the Detection of Small Haptens. <i>Analytical Chemistry</i> , 2002, 74, 2500-2504.	3.2	38
57	Expanded-Bed Protein Refolding Using a Solid-Phase Artificial Chaperone.. <i>Journal of Bioscience and Bioengineering</i> , 2001, 91, 403-408.	1.1	38
58	Direct Comparison of Electron Transfer Properties of Two Distinct Semisynthetic Triads with Non-Protein Based Triad: Unambiguous Experimental Evidences on Protein Matrix Effects. <i>Chemistry - A European Journal</i> , 2000, 6, 1907-1916.	1.7	37
59	Expanded-bed protein refolding using a solid-phase artificial chaperone. <i>Journal of Bioscience and Bioengineering</i> , 2001, 91, 403-408.	1.1	37
60	Transfection microarray of nonadherent cells on an oleyl poly(ethylene glycol) ether-modified glass slide. <i>BioTechniques</i> , 2004, 37, 444-452.	0.8	37
61	Microbial sensor for trichloroethylene determination. <i>Analytica Chimica Acta</i> , 2001, 431, 225-230.	2.6	36
62	The lifetime evaluation of vapourised phase-change nano-droplets. <i>Ultrasonics</i> , 2016, 69, 97-105.	2.1	36
63	Luminescent and substrate binding activities of firefly luciferase N-terminal domain. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1649, 183-189.	1.1	35
64	Crystallization of a photosensitive nitrile hydratase from <i>Rhodococcus</i> sp. N-771. <i>Journal of Molecular Biology</i> , 1991, 220, 221-222.	2.0	34
65	Construction, Bacterial Expression, and Characterization of Hapten-Specific Single-Chain Fv and Alkaline Phosphatase Fusion Protein. <i>Journal of Biochemistry</i> , 1997, 122, 322-329.	0.9	34
66	Site-specific cross-linking of functional proteins by transglutamination. <i>Enzyme and Microbial Technology</i> , 2003, 33, 492-496.	1.6	34
67	A General Method To Select Antibody Fragments Suitable for Noncompetitive Detection of Monovalent Antigens. <i>Analytical Chemistry</i> , 2003, 75, 4057-4064.	3.2	34
68	The Influence of Domain Structures on the Signal Transduction of Chimeric Receptors Derived from the Erythropoietin Receptor. <i>Journal of Biochemistry</i> , 2009, 145, 575-584.	0.9	34
69	Selection of genetically modified cell population using hapten-specific antibody/receptor chimera. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 132-138.	1.0	33
70	Successful Control of Aggregation and Folding Rates during Refolding of Denatured Lysozyme by Adding N -Methylimidazolium Cations with Various Substituents. <i>Biotechnology Progress</i> , 2008, 24, 402-408.	1.3	33
71	Fine Tuning of Spatial Arrangement of Enzymes in a PCNA-Mediated Multienzyme Complex Using a Rigid Poly-L-Proline Linker. <i>PLoS ONE</i> , 2013, 8, e75114.	1.1	33
72	High density culture of <i>Lactobacillus casei</i> by a Cross-Flow culture method based on kinetic properties of the microorganism. <i>Journal of Bioscience and Bioengineering</i> , 1990, 70, 404-408.	0.9	32

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73	Secondary structure analyses of protein films on gold surfaces by circular dichroism. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 606-611.	1.0	32
74	T cell growth control using hapten-specific antibody/interleukin-2 receptor chimera. <i>Cytokine</i> , 2009, 46, 127-136.	1.4	32
75	Spectroscopic Observation of the Intramolecular Electron Transfer in the Photoactivation Processes of Nitrile Hydratase. <i>Biochemistry</i> , 1994, 33, 3577-3583.	1.2	31
76	Cell-growth control by monomeric antigen: the cell surface expression of lysozyme-specific Ig V-domains fused to truncated Epo receptor. <i>Journal of Immunological Methods</i> , 2000, 241, 159-170.	0.6	31
77	FGF signal regulates gastrulation cell movements and morphology through its target NRH. <i>Developmental Biology</i> , 2005, 282, 95-110.	0.9	31
78	Detection of protein-protein interaction by bioluminescence resonance energy transfer from firefly luciferase to red fluorescent protein. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 362-4.	1.1	31
79	Casual cell surface remodeling using biocompatible lipid-poly(ethylene glycol)(n): Development of stealth cells and monitoring of cell membrane behavior in serum-supplemented conditions. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 70A, 179-185.	3.0	30
80	Protein cell surface display through in situ enzymatic modification of proteins with a poly(Ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	30
81	Object-oriented fuzzy expert system for on-line diagnosing and control of bioprocesses. <i>Applied Microbiology and Biotechnology</i> , 1992, 37, 756-61.	1.7	29
82	Fabrication of Protein Microarrays for Immunoassay Using the Electrospray Deposition (ESD) Method.. <i>Journal of Chemical Engineering of Japan</i> , 2003, 36, 1370-1375.	0.3	29
83	Protein microarrays and their applications. <i>Biotechnology and Bioprocess Engineering</i> , 2004, 9, 69-75.	1.4	29
84	Cloning and characterization of extradiol aromatic ring-cleavage dioxygenases of <i>Pseudomonas aeruginosa</i> J1104. <i>Journal of Bioscience and Bioengineering</i> , 1996, 82, 217-223.	0.9	28
85	Rectified photocurrent in a protein based molecular photo-diode consisting of a cytochrome b562-green fluorescent protein chimera self-assembled monolayer. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1169-1174.	5.3	28
86	Monitoring of the Refolding Process for Immobilized Firefly Luciferase with a Biosensor Based on Surface Plasmon Resonance. <i>Journal of Biochemistry</i> , 2001, 129, 1-4.	0.9	27
87	Bypassing antibiotic selection: positive screening of genetically modified cells with an antigen-dependent proliferation switch. <i>Nucleic Acids Research</i> , 2003, 31, 32e-32.	6.5	27
88	Glycosylation of Recombinant Proforms of Major House Dust Mite Allergens Der p 1 and Der f 1 Decelerates the Speed of Maturation. <i>International Archives of Allergy and Immunology</i> , 2006, 139, 181-187.	0.9	27
89	Selection and growth regulation of genetically modified cells with hapten-specific antibody/receptor tyrosine kinase chimera. <i>Biotechnology Progress</i> , 2009, 25, 1138-1145.	1.3	27
90	Amino Acid Residues Critical for Endoplasmic Reticulum Export and Trafficking of Platelet-activating Factor Receptor. <i>Journal of Biological Chemistry</i> , 2010, 285, 5931-5940.	1.6	27

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91	A Homogeneous and Noncompetitive Immunoassay Based on the Enhanced Fluorescence Resonance Energy Transfer by Leucine Zipper Interaction. <i>Analytical Chemistry</i> , 2002, 74, 5786-5792.	3.2	26
92	An optimized homogeneous noncompetitive immunoassay based on the antigen-driven enzymatic complementation. <i>Journal of Immunological Methods</i> , 2003, 279, 209-218.	0.6	26
93	Immunopanning selection of A2B5-positive cells increased the differentiation efficiency of induced pluripotent stem cells into oligodendrocytes. <i>Neuroscience Letters</i> , 2011, 489, 79-83.	1.0	26
94	Supramolecular protein assembly supports immobilization of a cytochrome P450 monooxygenase system as water-insoluble gel. <i>Scientific Reports</i> , 2015, 5, 8648.	1.6	26
95	Novel selection method for engineered antibodies using the mechanism of Fv fragment stabilization in the presence of antigen. <i>Protein Engineering, Design and Selection</i> , 1997, 10, 1311-1318.	1.0	25
96	A Caged Phosphopeptide-Based Approach for Photochemical Activation of Kinases in Living Cells. <i>ChemBioChem</i> , 2008, 9, 1583-1586.	1.3	25
97	A bromocoumarin-based linker for synthesis of photocleavable peptidoconjugates with high photosensitivity. <i>Chemical Communications</i> , 2008, , 5399.	2.2	25
98	Selective intracellular vaporisation of antibody-conjugated phase-change nano-droplets in vitro. <i>Scientific Reports</i> , 2017, 7, 44077.	1.6	25
99	Growth promotion of genetically modified hematopoietic progenitors using an antibody/c-Mpl chimera. <i>Cytokine</i> , 2011, 55, 402-408.	1.4	24
100	Photosensitive Nitrile Hydratase from <i>Rhodococcus</i> sp. N-771.. <i>Annals of the New York Academy of Sciences</i> , 1992, 672, 29-36.	1.8	23
101	Construction of a fluorescein-responsive chimeric receptor with strict ligand dependency. <i>Biotechnology and Bioengineering</i> , 2008, 101, 975-984.	1.7	23
102	Light-induced oxidation of iron atoms in a photosensitive nitrile hydratase. <i>FEBS Letters</i> , 1992, 301, 177-180.	1.3	22
103	Conformational change of protein cytochrome b-562 adsorbed on colloidal gold particles; absorption band shift. <i>Chemical Communications</i> , 1997, , 605-606.	2.2	22
104	Design of an Artificial Light-Harvesting Unit by Protein Engineering: Cytochrome b562 "Green Fluorescent Protein Chimera. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 299-304.	1.0	22
105	Importance of a CDR H3 Basal Residue in VH/VL Interaction of Human Antibodies. <i>Journal of Biochemistry</i> , 2002, 132, 775-782.	0.9	22
106	Log P effect of organic solvents on a thermophilic alcohol dehydrogenase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1748, 94-99.	1.1	22
107	Covalent split protein fragment "DNA hybrids generated through N-terminus-specific modification of proteins by oligonucleotides. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2187.	1.5	22
108	Engineering cytokine receptors to control cellular functions. <i>Biochemical Engineering Journal</i> , 2010, 48, 283-294.	1.8	22

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109	Engineering of mammalian cell membrane proteins. <i>Current Opinion in Chemical Engineering</i> , 2012, 1, 411-417.	3.8	22
110	Detecting protein-protein interactions based on kinase-mediated growth induction of mammalian cells. <i>Scientific Reports</i> , 2014, 4, 6127.	1.6	22
111	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15002-15006.	7.2	22
112	Exogenous gene expression and growth regulation of hematopoietic cells via a novel human artificial chromosome. <i>Journal of Human Genetics</i> , 2006, 51, 147-150.	1.1	21
113	Sterically bulky caging for light-inducible protein activation. <i>Chemical Communications</i> , 2013, 49, 3013.	2.2	21
114	Introduction of selective intersubunit disulfide bonds into self-assembly protein scaffold to enhance an artificial multienzyme complex's activity. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1858-1864.	1.7	21
115	Growth control of genetically modified cells using an antibody/c-Kit chimera. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 641-646.	1.1	20
116	Effect of culture temperature shift on the cellular sugar accumulation of <i>Chlorella vulgaris</i> SO-26. <i>Journal of Bioscience and Bioengineering</i> , 1994, 78, 235-240.	0.9	19
117	Selection of highly productive mammalian cells based on an inducible growth advantage using an antibody/receptor chimera. <i>Journal of Bioscience and Bioengineering</i> , 2002, 93, 399-404.	1.1	19
118	Measuring Adsorption of a Hydrophobic Probe with a Surface Plasmon Resonance Sensor to Monitor Conformational Changes in Immobilized Proteins. <i>Biotechnology Progress</i> , 2008, 19, 1348-1354.	1.3	19
119	Mössbauer, electron paramagnetic resonance and magnetic susceptibility studies of photosensitive nitrile hydratase from <i>Rhodococcus</i> sp. N ^o 771. <i>Hyperfine Interactions</i> , 1992, 71, 1271-1274.	0.2	18
120	A novel protein-based heme sensor consisting of green fluorescent protein and apocytochrome b562. <i>Analytical Biochemistry</i> , 2003, 317, 116-119.	1.1	18
121	A cysteine-appended deoxyuridine for the postsynthetic DNA modification using native chemical ligation. <i>Tetrahedron Letters</i> , 2005, 46, 2235-2238.	0.7	18
122	Multiple-mutation at a potential ligand-binding region decreased allergenicity of a mite allergen Der f 2 without disrupting global structure. <i>FEBS Letters</i> , 2005, 579, 1988-1994.	1.3	18
123	Recombinant hBMP4 incorporated with non-canonical amino acid for binding to hydroxyapatite. <i>Biotechnology Letters</i> , 2011, 33, 1885-1890.	1.1	18
124	Sortase A-mediated synthesis of ligand-grafted cyclized peptides for modulating a model protein-protein interaction. <i>Biotechnology Journal</i> , 2015, 10, 1499-1505.	1.8	18
125	A database system for fermentation processes. <i>Bioprocess and Biosystems Engineering</i> , 1987, 2, 111-114.	0.5	17
126	A new cultivation method of fungi or mycelia. <i>Bioprocess and Biosystems Engineering</i> , 1988, 3, 63-68.	0.5	17

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127	Construction of chimeric proteins between protein G and fluorescence-enhanced green fluorescent protein, and their application to immunoassays. <i>Journal of Bioscience and Bioengineering</i> , 1998, 86, 440-445.	0.9	17
128	How does heme axial ligand deletion affect the structure and the function of cytochrome b562?. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 415-419.	1.0	17
129	Recombinant extracellular matrix-like proteins with repetitive elastin or collagen-like functional motifs. <i>Biotechnology Letters</i> , 2005, 27, 665-670.	1.1	17
130	Selective expansion of genetically modified T cells using an antibody/interleukin-2 receptor chimera. <i>Journal of Immunological Methods</i> , 2008, 337, 16-23.	0.6	17
131	Collagen Surfaces Modified with Photo-Cleavable Polyethylene Glycol-Lipid Support Versatile Single-Cell Arrays of Both Non-adherent and Adherent Cells. <i>Macromolecular Bioscience</i> , 2014, 14, 1670-1676.	2.1	17
132	Tyrosine Coupling Creates a Hyperbranched Multivalent Protein Polymer Using Horseradish Peroxidase via Bipolar Conjugation Points. <i>Bioconjugate Chemistry</i> , 2016, 27, 1348-1359.	1.8	17
133	Production of penicillin in a fluidized-bed bioreactor using urethane foams as carriers.. <i>Journal of Chemical Engineering of Japan</i> , 1990, 23, 408-413.	0.3	16
134	Enhanced fluorescence resonance energy transfer immunoassay with improved sensitivity based on the Fab ϵ -based immunoconjugates. <i>Analytical Biochemistry</i> , 2007, 360, 266-272.	1.1	16
135	Artificial Protein Complexes for Biocatalysis. <i>Topics in Catalysis</i> , 2012, 55, 1124-1137.	1.3	16
136	Electron donation to an archaeal cytochrome P450 is enhanced by PCNA ϵ -mediated selective complex formation with foreign redox proteins. <i>Biotechnology Journal</i> , 2014, 9, 1573-1581.	1.8	16
137	Quantitative image cytometry for analyzing intracellular trafficking of G protein-coupled receptors on a chemical-trapping single cell array. <i>Lab on A Chip</i> , 2017, 17, 1933-1938.	3.1	16
138	Replacing factor-dependency with that for lysozyme: Affordable culture of IL-6-dependent hybridoma by transfecting artificial cell surface receptor. <i>Biotechnology and Bioengineering</i> , 2001, 74, 416-423.	1.7	15
139	Regioselective reduction of a steroid in a reversed micellar system with enzymatic NADH-regeneration. <i>Biochemical Engineering Journal</i> , 2003, 16, 35-40.	1.8	15
140	Food Restriction in Pregnant Mice Can Induce Changes in Histone Modifications and Suppress Gene Expression in Fetus. <i>Nucleic Acids Symposium Series</i> , 2007, 51, 125-126.	0.3	15
141	Activation of target signal transducers utilizing chimeric receptors with signaling ϵ -molecule binding motifs. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1528-1537.	1.7	15
142	Stepwise phosphorylation of leukotriene B ₄ receptor 1 defines cellular responses to leukotriene B ₄ . <i>Science Signaling</i> , 2018, 11, .	1.6	15
143	A Growth Signal with an Artificially Induced Erythropoietin Receptor-gp130 Cytoplasmic Domain Heterodimer. <i>Journal of Biochemistry</i> , 2001, 130, 305-312.	0.9	14
144	Construction of green fluorescent protein reporter genes for genotoxicity test (SOS/umu-test) and improvement of mutagen-sensitivity. <i>Journal of Bioscience and Bioengineering</i> , 2001, 92, 301-304.	1.1	14

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145	Improved growth response of antibody/receptor chimera attained by the engineering of transmembrane domain. <i>Protein Engineering, Design and Selection</i> , 2004, 17, 715-719.	1.0	14
146	Expression of amoA mRNA in wastewater treatment processes examined by competitive RT-PCR. <i>Journal of Biotechnology</i> , 2004, 111, 111-120.	1.9	14
147	Antigen-mediated migration of murine pro-B Ba/F3 cells via an antibody/receptor chimera. <i>Journal of Biotechnology</i> , 2008, 133, 154-161.	1.9	14
148	Photosensitizer and polycationic peptide-labeled streptavidin as a nano-carrier for light-controlled protein transduction. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 630-636.	1.1	14
149	Co-expression of bcl-2 and bag-1, apoptosis suppressing genes, prolonged viable culture period of hybridoma and enhanced antibody production. <i>Cytotechnology</i> , 1999, 31, 143-151.	0.7	13
150	Modulating the Actions of NK Cell-Mediated Cytotoxicity Using Lipid-PEG (n) and Inhibitory Receptor-Specific Antagonistic Peptide Conjugates. <i>Biotechnology Progress</i> , 2008, 21, 1226-1230.	1.3	13
151	Death Signalobody: Inducing Conditional Cell Death in Response to a Specific Antigen. <i>Human Gene Therapy Methods</i> , 2013, 24, 141-150.	2.1	13
152	Real-time monitoring of pH-dependent intracellular trafficking of ovarian cancer G protein-coupled receptor 1 in living leukocytes. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 363-370.	1.1	13
153	An Expert System for Cultivating Operations. <i>Annals of the New York Academy of Sciences</i> , 1990, 589, 569-579.	1.8	12
154	Production of Glucoamylase by Solid-State Fermentation Using Urethane Foam Carrier as a Semi-Solid Medium.. <i>Kagaku Kogaku Ronbunshu</i> , 1991, 17, 491-496.	0.1	12
155	Monolayer Formation of Cytochrome b562 on Gold Surfaces and Its Reconstitution Reaction, Studied by Surface Plasmon Resonance Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 1707-1713.	2.0	12
156	Solid-Phase Artificial Chaperone-Assisted Refolding using Insoluble β -Cyclodextrin/Acrylamide Copolymer Beads. <i>Biotechnology Letters</i> , 2004, 26, 1787-1791.	1.1	12
157	Synergistic effects of detergents and organic solvents on protein refolding: Control of aggregation and folding rates. <i>Journal of Bioscience and Bioengineering</i> , 2011, 111, 10-15.	1.1	12
158	Poly(ethylene glycol)-Lipid-Conjugated Antibodies Enhance Dendritic Cell Phagocytosis of Apoptotic Cancer Cells. <i>Pharmaceuticals</i> , 2012, 5, 405-416.	1.7	12
159	Reconstitution of a cytokine receptor scaffold utilizing multiple different tyrosine motifs. <i>Biotechnology and Bioengineering</i> , 2013, 110, 3197-3204.	1.7	12
160	Fabrication of a protein film by electrospray deposition method and investigation of photochemical properties by persistent spectral hole burning. <i>Biomaterials</i> , 2003, 24, 2045-2051.	5.7	11
161	Antigen-mediated growth control of hybridoma cells via a human artificial chromosome. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 206-212.	1.1	11
162	Effect of β -cyclodextrin on the renaturation of enzymes after sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , 2008, 381, 273-275.	1.1	11

#	ARTICLE	IF	CITATIONS
163	Phosphite-driven Self-sufficient Cytochrome P450. <i>ChemCatChem</i> , 2013, 5, 3835-3840.	1.8	11
164	Visualization of the pH-dependent dynamic distribution of G2A in living cells. <i>FASEB Journal</i> , 2014, 28, 3965-3974.	0.2	11
165	Peptide Tag-Induced Horseradish Peroxidase-Mediated Preparation of a Streptavidin-Immobilized Redox-Sensitive Hydrogel. <i>Biomacromolecules</i> , 2016, 17, 1978-1984.	2.6	11
166	Chimeric G-CSF Receptor-Mediated STAT3 Activation Contributes to Efficient Induction of Cardiomyocytes from Mouse Induced Pluripotent Stem Cells. <i>Biotechnology Journal</i> , 2020, 15, e1900052.	1.8	11
167	A Functional Representation of Yeast Batch Culture Systems. <i>Kagaku Kogaku Ronbunshu</i> , 1977, 3, 543-550.	0.1	10
168	Utilizing the tubular bioreactor for continuous recovery of secreted fusion protein from recombinant <i>Escherichia coli</i> . <i>Bioprocess and Biosystems Engineering</i> , 1991, 7, 145-150.	0.5	10
169	Photocontrol of the redox state of ruthenium-tris(bipyridine)-appended cytochrome b562. <i>Chemical Communications</i> , 1997, , 1735-1736.	2.2	10
170	Apocytochrome b562 as a Novel Chiral Host Molecule: The First Enantioselective Reconstitution. <i>Chemistry - A European Journal</i> , 1998, 4, 1148-1153.	1.7	10
171	Single-stage autotrophic nitrogen-removal process using a composite matrix immobilizing nitrifying and sulfur-denitrifying bacteria. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 124-130.	1.7	10
172	Artificial chaperone-assisted refolding in a microchannel. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 171-177.	1.7	10
173	Intracellular protein cyclization catalyzed by exogenously transduced <i>Streptococcus pyogenes</i> sortase A. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 298-301.	1.1	10
174	Construction of antibody/insulin receptor chimera for growth induction of mammalian cells. <i>Cytotechnology</i> , 2013, 65, 945-953.	0.7	10
175	Construction of green fluorescent protein reporter genes for genotoxicity test (SOS/umu-test) and improvement of mutagen-sensitivity. <i>Journal of Bioscience and Bioengineering</i> , 2001, 92, 301-4.	1.1	10
176	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1629-1632.	1.1	9
177	An antigen-mediated selection system for mammalian cells that produce glycosylated single-chain Fv. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 1165-1172.	1.0	9
178	Rapid and Efficient Induction of an Endogenous Cell Signaling Event by Subcellular Targeting of a Synthetic Ligand. <i>Journal of the American Chemical Society</i> , 2009, 131, 13568-13569.	6.6	9
179	Cell transfer printing from patterned poly(ethylene glycol)-oleyl surfaces to biological hydrogels for rapid and efficient cell micropatterning. <i>Biotechnology and Bioengineering</i> , 2012, 109, 244-251.	1.7	9
180	Cell-Surface Expression Levels Are Important for Fine-Tuning the Performance of Receptor Tyrosine Kinase-Based Signalobodies. <i>Biotechnology Journal</i> , 2017, 12, 1700441.	1.8	9

#	ARTICLE	IF	CITATIONS
181	Designing Motif-Engineered Receptors To Elucidate Signaling Molecules Important for Proliferation of Hematopoietic Stem Cells. <i>ACS Synthetic Biology</i> , 2018, 7, 1709-1714.	1.9	9
182	Application of the random amplified polymorphic DNA (RAPD) technique to distinguishing species of the red tide phytoplankton <i>Chattonella</i> (Raphidophyceae). <i>Journal of Bioscience and Bioengineering</i> , 1998, 85, 343-345.	0.9	8
183	Development of a Reactor Type Bio-sensor for Trichloroethylene. <i>Analytical Letters</i> , 2003, 36, 539-547.	1.0	8
184	Microbial expression of proteins containing long repetitive Arg-Gly-Asp cell adhesive motifs created by overlap elongation PCR. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 988-993.	1.0	8
185	Fabrication of protein microarrays using the electrospray deposition (ESD) method: Application of microfluidic chips in immunoassay. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 145-151.	1.4	8
186	ScFv signalobody enhances myeloid cell growth and migration. <i>Biotechnology Journal</i> , 2014, 9, 954-961.	1.8	8
187	AAG8 promotes carcinogenesis by activating STAT3. <i>Cellular Signalling</i> , 2014, 26, 1863-1869.	1.7	8
188	Growth signalobody selects functional intrabodies in the mammalian cytoplasm. <i>Biotechnology Journal</i> , 2016, 11, 565-573.	1.8	8
189	Photo-Cleavable Peptide-Poly(Ethylene Glycol) Conjugate Surfaces for Light-Guided Control of Cell Adhesion. <i>Micromachines</i> , 2020, 11, 762.	1.4	8
190	A Database System and an Expert System for Realizing Factory Automation in the Bioindustries. , 1989, , 337-346.		8
191	Application of Kalman Filter to Automatic Monitoring System of Microbial Physiological Activities. <i>Annals of the New York Academy of Sciences</i> , 1983, 413, 228-230.	1.8	7
192	The effect of cultivation conditions on the penicillin production using a urethane foam-supported <i>Penicillium chrysogenum</i> . <i>Bioprocess and Biosystems Engineering</i> , 1988, 3, 173-176.	0.5	7
193	Two-dimensional molecular packing of proteins. <i>Thin Solid Films</i> , 1992, 216, 99-104.	0.8	7
194	Protein productivity of cell-free translation was improved by removing phosphatase from wheat germ extract with immunoprecipitation. <i>Biochemical Engineering Journal</i> , 1998, 2, 23-28.	1.8	7
195	Poly[C] improved protein productivity of cell-free translation by inhibiting mRNAse in wheat germ extract. <i>Journal of Biotechnology</i> , 1999, 75, 221-228.	1.9	7
196	Electron Transfer from Zn- Protoporphyrin IX to Ruthenium Ammine Attached at His63 of Reconstituted Cytochrome b562. <i>Chemistry Letters</i> , 1999, 28, 551-552.	0.7	7
197	Refolding of Firefly Luciferase Immobilized on Agarose Beads. <i>Journal of Biochemistry</i> , 2000, 127, 351-354.	0.9	7
198	Rational design of a protein-based molecular device consisting of blue fluorescent protein and zinc protoporphyrin IX incorporated into a cytochrome b562 scaffold. <i>Biotechnology Letters</i> , 2004, 26, 121-125.	1.1	7

#	ARTICLE	IF	CITATIONS
199	Charge trap in self-assembled monolayer of cytochrome b562-green fluorescent protein chimera. <i>Current Applied Physics</i> , 2006, 6, 760-765.	1.1	7
200	Development of a homogeneous competitive immunoassay for phosphorylated protein antigen based on the enhanced fluorescence resonance energy transfer technology. <i>Journal of Bioscience and Bioengineering</i> , 2010, 109, 15-19.	1.1	7
201	Antigen-responsive regulation of Cell motility and migration via the signalobodies based on cFms and cMpl. <i>Biotechnology Progress</i> , 2014, 30, 411-417.	1.3	7
202	A novel platform for antibody library selection in mammalian cells based on a growth signalobody. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1170-1179.	1.7	7
203	Selective intracellular delivery of perfluorocarbon nanodroplets for cytotoxicity threshold reduction on ultrasound-induced vaporization. <i>Cancer Reports</i> , 2019, 2, e1165.	0.6	7
204	A Novel Cell-Based Intracellular Protein-Protein Interaction Detection Platform (SOLIS) for Multimodality Screening. <i>ACS Synthetic Biology</i> , 2021, 10, 990-999.	1.9	7
205	Photoactivatable Materials for Versatile Single-Cell Patterning Based on the Photocaging of Cell-Anchoring Moieties through Lipid Self-Assembly. <i>Journal of the American Chemical Society</i> , 2022, 144, 13154-13162.	6.6	7
206	Continuous production of penicillin in a fluidized-bed bioreactor.. <i>Journal of Chemical Engineering of Japan</i> , 1990, 23, 505-507.	0.3	6
207	Development of an Expert System for Diagnosing Fermentation Processes.. <i>Kagaku Kogaku Ronbunshu</i> , 1991, 17, 579-585.	0.1	6
208	Knowledge based diagnosis of inoculum properties and sterilization time in lactic acid fermentation. <i>Biotechnology Letters</i> , 1992, 6, 385-390.	0.5	6
209	Template Catalysis: Catalytic Metalation of Porphyrins by Apocytochrome b562. <i>Journal of the American Chemical Society</i> , 1999, 121, 7947-7948.	6.6	6
210	Monomolecular Layer of the Alkylated Cytochrome b562 Formed at the Air/Water Interface. <i>Bulletin of the Chemical Society of Japan</i> , 1999, 72, 691-696.	2.0	6
211	Mimicry of Erythropoietin and Interleukin-6 Signalling by an Antibody/Cytokine Receptor Chimera in Murine Myeloid 32D Cells. <i>Journal of Biochemistry</i> , 2007, 141, 563-571.	0.9	6
212	Growth control of hybridoma cells with an artificially induced EpoR-gp130 heterodimer. <i>Cytotechnology</i> , 2007, 52, 171-179.	0.7	6
213	Photolytic Protein Aggregates: Versatile Materials for Controlled Release of Active Proteins. <i>Advanced Healthcare Materials</i> , 2016, 5, 1002-1007.	3.9	6
214	A Chemically Inducible Helper Module for Detecting Protein-Protein Interactions with Tunable Sensitivity Based on KIPPIS. <i>Analytical Chemistry</i> , 2017, 89, 4824-4830.	3.2	6
215	An epitope-directed antibody affinity maturation system utilizing mammalian cell survival as readout. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1742-1751.	1.7	6
216	Reprogramming signal transduction through a designer receptor tyrosine kinase. <i>Communications Biology</i> , 2021, 4, 752.	2.0	6

#	ARTICLE	IF	CITATIONS
217	An Effective Production Method of Glucoamylase in a Novel Solid-State Culture System. <i>Annals of the New York Academy of Sciences</i> , 1990, 613, 846-855.	1.8	5
218	Self-assembly of electron transport protein using oligonucleotide hybridization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 25, 69-79.	2.5	5
219	Evaluation of surface hydrophobicity of immobilized protein with a surface plasmon resonance sensor. <i>Biotechnology Letters</i> , 2004, 26, 1081-1086.	1.1	5
220	Artificial Self-Sufficient P450 in Reversed Micelles. <i>Molecules</i> , 2010, 15, 2935-2948.	1.7	5
221	Construction of unnatural heterodimeric receptors based on IL-2 and IL-6 receptor subunits. <i>Biotechnology Progress</i> , 2013, 29, 1512-1518.	1.3	5
222	Transfer printing of transfected cell microarrays from poly(ethylene glycol) monolayer surfaces onto biological hydrogels. <i>Biotechnology and Bioengineering</i> , 2013, 110, 3269-3274.	1.7	5
223	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. <i>Angewandte Chemie</i> , 2016, 128, 15226-15230.	1.6	5
224	Ligand-inducible dimeric antibody for selecting antibodies against a membrane protein based on mammalian cell proliferation. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1113-1123.	1.7	5
225	Differentiation signalobody: Demonstration of antigen-dependent osteoclast differentiation from a progenitor cell line. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 357-363.	1.1	5
226	Protein refolding is improved by adding nonionic polyethylene glycol monooleyl ethers with various polyethylene glycol lengths. <i>Biotechnology Journal</i> , 2017, 12, 1600689.	1.8	5
227	Dissection of Signaling Events Downstream of the c-Mpl Receptor in Murine Hematopoietic Stem Cells Via Motif-Engineered Chimeric Receptors. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 101-109.	5.6	5
228	Artificial Self-Sufficient Cytochrome P450 Containing Multiple Auxiliary Proteins Demonstrates Improved Monooxygenase Activity. <i>Biotechnology Journal</i> , 2018, 13, 1800088.	1.8	5
229	A Suicide Switch Directly Eliminates Intracellular scFv Oligomers in the Cytoplasm of Mammalian Cells. <i>Biotechnology Journal</i> , 2019, 14, e1800350.	1.8	5
230	Photodegradable avidin-biotinylated polymer conjugate hydrogels for cell manipulation. <i>Biomaterials Science</i> , 2021, 9, 6416-6424.	2.6	5
231	Effects of a Substrate Addition on Yeast Physiological Activities in a Batch Culture System. <i>Kagaku Kogaku Ronbunshu</i> , 1983, 9, 455-461.	0.1	4
232	Molecular Cloning and Nucleotide Sequence of the Gene Coding Photosensitive Nitrile Hydratase. <i>Annals of the New York Academy of Sciences</i> , 1994, 721, 158-159.	1.8	4
233	Enhancement of mutation frequency with nucleotide triphosphate analogs in PCR random mutagenesis. <i>Journal of Bioscience and Bioengineering</i> , 1995, 79, 303-305.	0.9	4
234	Truncation of Vargula Luciferase Still Results in Retention of Luminescence. <i>Journal of Biochemistry</i> , 1996, 119, 601-603.	0.9	4

#	ARTICLE	IF	CITATIONS
235	Biomedical Engineering. Construction of Catechol 2,3-Dioxygenase-Protein G Chimeric Proteins and its Application to Immunoassay.. Kagaku Kogaku Ronbunshu, 1998, 24, 169-173.	0.1	4
236	Novel Light-Illumination Scanning Tunneling Microscopy Equipped with Optical Fiber Probe. Japanese Journal of Applied Physics, 2003, 42, 4861-4865.	0.8	4
237	AMEGA: antigen-mediated genetically modified cell amplification. Journal of Immunological Methods, 2004, 284, 187-194.	0.6	4
238	Reversal of antigen-dependent signaling by two mutations in antibody/receptor chimera: implication of inverse agonism in cytokine receptor superfamily. Biochemical Pharmacology, 2004, 68, 539-548.	2.0	4
239	Homogeneous sandwich immunoassay based on the enzymatic complementation induced by single-chain Fv fragments. Analytical Biochemistry, 2004, 327, 241-246.	1.1	4
240	Avidinâ€“biotin-based approach to forming heterotypic cell clusters and cell sheets on a gas-permeable membrane. Biofabrication, 2011, 3, 034111.	3.7	4
241	Quantitative control of intracellular signaling activity through chimeric receptors incorporating multiple identical tyrosine motifs. Biotechnology and Bioengineering, 2014, 111, 948-955.	1.7	4
242	Engineering a growth sensor to select intracellular antibodies in the cytosol of mammalian cells. Journal of Bioscience and Bioengineering, 2017, 124, 125-132.	1.1	4
243	Microfluidic preparation of anchored cell membrane sheets for in vitro analyses and manipulation of the cytoplasmic face. Scientific Reports, 2017, 7, 14962.	1.6	4
244	Photo-responsive materials with strong cell trapping ability for light-guided manipulation of nonadherent cells. Biomaterials Science, 2019, 7, 4514-4518.	2.6	4
245	Sterically Bulky Caging of Transferrin for Photoactivatable Intracellular Delivery. Bioconjugate Chemistry, 2021, 32, 1535-1540.	1.8	4
246	START-UP OF THE CHEMOSTAT CULTURE. Annals of the New York Academy of Sciences, 1981, 369, 245-255.	1.8	3
247	Optimal operation for the seed culture process.. Journal of Chemical Engineering of Japan, 1982, 15, 481-486.	0.3	3
248	Operation Charts for a Successive Fed-batch Fermentation of Alcohol. Kagaku Kogaku Ronbunshu, 1984, 10, 506-512.	0.1	3
249	Recognition and Counting Method of Biological Cells on Microcarrier Using Image Processing Based on Expert System. 3rd Report. Recognition of Overlapping Nonuniform Cells by Neural Network.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1991, 57, 3847-3854.	0.2	3
250	OBSERVATION OF CYTOCHROME b-562 ADSORPTION ON GOLD-PARTICLE SURFACE BY OPTICAL ABSORPTION MEASUREMENT. Surface Review and Letters, 1996, 03, 1137-1141.	0.5	3
251	A new method of ATP regeneration rate measurement using a pH meter. Journal of Bioscience and Bioengineering, 1999, 87, 238-240.	1.1	3
252	Effect of water activity control on the catalytic performance of surfactantâ€“Arthromyces ramosus peroxidase complex in toluene. Biochemical Engineering Journal, 2002, 10, 55-59.	1.8	3

#	ARTICLE	IF	CITATIONS
253	DNA Polymerase-Catalyzed Elongation of Repetitive Hexanucleotide Sequences: Application to Creation of Repetitive DNA Libraries. <i>Biotechnology Progress</i> , 2004, 20, 1855-1860.	1.3	3
254	Creation of a Thermostable Firefly Luciferase with pH-insensitive Luminescent Color. <i>Photochemistry and Photobiology</i> , 2007, 77, 333-338.	1.3	3
255	Editorial: Asia Pacific Biochemical engineering. <i>Biotechnology Journal</i> , 2010, 5, 436-437.	1.8	3
256	Nanoscale-Engineered Cytochrome P450 System with a Branch Structure. <i>Methods in Molecular Biology</i> , 2011, 743, 1-16.	0.4	3
257	Molecular recognition moiety and its target biomolecule interact in switching enzyme activity. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 639-644.	1.1	3
258	Amino Acid Residues of G-Protein-Coupled Receptors Critical for Endoplasmic Reticulum Export and Trafficking. <i>Methods in Enzymology</i> , 2013, 521, 203-216.	0.4	3
259	Analysis of cellular phenotype during in vitro immunization of murine splenocytes for generating antigen-specific immunoglobulin. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 339-345.	1.1	3
260	Effect of length of molecular recognition moiety on enzymatic activity switching. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 433-437.	1.1	3
261	Top-down motif engineering of a cytokine receptor for directing ex vivo expansion of hematopoietic stem cells. <i>Journal of Biotechnology</i> , 2013, 168, 659-665.	1.9	3
262	Use of <i>Sulfolobus solfataricus</i> PCNA Subunit Proteins to Direct the Assembly of Multimeric Enzyme Complexes. <i>Methods in Molecular Biology</i> , 2013, 978, 149-163.	0.4	3
263	Cell fate conversion by conditionally switching the signal-transducing domain of signalobodies. <i>Biotechnology and Bioengineering</i> , 2013, 110, 3219-3226.	1.7	3
264	Split focal adhesion kinase for probing protein-protein interactions. <i>Biochemical Engineering Journal</i> , 2014, 90, 272-278.	1.8	3
265	Modeling tandem AAG8-MEK inhibition in melanoma cells. <i>Cancer Medicine</i> , 2014, 3, 710-718.	1.3	3
266	Fusion protein bilayer fabrication composed of recombinant azurin/cytochrome P450 by the sortase-mediated ligation method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 215-221.	2.5	3
267	Domain structure of growth signalobodies critically affects the outcome of antibody library selection. <i>Journal of Biochemistry</i> , 2015, 157, 497-506.	0.9	3
268	Three proliferating cell nuclear antigen homologues from <i>Metallosphaera sedula</i> form a head-to-tail heterotrimer. <i>Scientific Reports</i> , 2016, 6, 26588.	1.6	3
269	Enzyme Logic Gate with Summation Function Based on Putidaredoxin Reductase/Cytochrome c Enzyme Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5189-5192.	0.9	3
270	Antigen-Mediated Genetically Modified Cell Amplification (AMEGA) with Single Vector Transduction. <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 1259-1264.	0.3	3

#	ARTICLE	IF	CITATIONS
271	Selection of Highly Productive Mammalian Cells Based on an Inducible Growth Advantage Using and Antibody/Receptor Chimera.. Journal of Bioscience and Bioengineering, 2002, 93, 399-404.	1.1	3
272	A planning map for the optimal ethanol fermentation.. Journal of Chemical Engineering of Japan, 1980, 13, 231-236.	0.3	2
273	An Optimization Method for a Successive Fed-batch Operation. Kagaku Kogaku Ronbunshu, 1984, 10, 489-498.	0.1	2
274	Effects of culture temperature shift and light-dark time cycle on the cellular sugar accumulation of <i>Chlorella pyrenoidosa</i> . Bioprocess and Biosystems Engineering, 1997, 16, 193.	0.5	2
275	In-place condensation of reaction mixture using hollow fiber membrane reactors improved productivity of cell-free protein synthesis. Biochemical Engineering Journal, 1999, 3, 151-155.	1.8	2
276	Imidazolium-based polymer hydrogels with microdomains as carriers of hydrophobic molecules. Polymer Journal, 2014, 46, 880-886.	1.3	2
277	A Stable Artificial Multienzymatic Complex Using a Heterotrimeric Protein From <i>Metallosphaera sedula</i> . Biotechnology Journal, 2018, 13, e1700662.	1.8	2
278	Single cell reporter assay using cell surface displayed <i>Vargula</i> luciferase. Journal of Bioscience and Bioengineering, 2001, 92, 575-9.	1.1	2
279	Simulation of Sucrose Hydrolysis by Yeast.. Kagaku Kogaku Ronbunshu, 1991, 17, 462-469.	0.1	1
280	Cytochrome b562: Electroactive Protein for Bioelectronics. Molecular Crystals and Liquid Crystals, 1994, 255, 271-278.	0.3	1
281	Monitoring Structural Changes of Proteins on Solid Phase Using Surface Plasmon Resonance Sensor. Progress in Biotechnology, 2000, , 125-130.	0.2	1
282	Structural relaxation of protoporphyrin-IX-substituted cytochrome b562 and its mutants at low temperatures studied with persistent spectral hole burning. Journal of Luminescence, 2002, 98, 141-147.	1.5	1
283	Development of Small Molecular Artificial Chaperone for Protein Refolding and Artificial Chaperone-Assisted Proteomics Technology. Journal of Biotechnology, 2010, 150, 401-402.	1.9	1
284	Label-free adhesion-based cell sorter using optimized oblique grooves for early cancer detection. , 2011, , .		1
285	Dynamic PhotoChemical Lipid Micropatterning for Manipulation of Nonadherent Mammalian Cells. Methods in Cell Biology, 2014, 120, 131-144.	0.5	1
286	Immobilized Culture and Transfection Microarray of Non-adherent Cells. Methods in Molecular Biology, 2011, 706, 151-157.	0.4	1
287	Photoâ€Degradable Proteinâ€Polymer Hybrid Shells for Caging Living Cells. Chemistry - A European Journal, 2022, 28, .	1.7	1
288	Identification of a Successive Fed-Batch Culture System of a Brewer's Yeast. Kagaku Kogaku Ronbunshu, 1983, 9, 679-685.	0.1	0

#	ARTICLE	IF	CITATIONS
289	A New Automatic System to Evaluate the Density of Viable Microorganisms in Liquids. Systematic and Applied Microbiology, 1985, 6, 227-235.	1.2	0
290	Recognition and counting method of biological cells on microcarrier using image processing based on expert system.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1990, 56, 700-708.	0.2	0
291	Recognition and counting method of animal cells on microcarrier using image processing based on		

#	ARTICLE	IF	CITATIONS
307	Notice of Removal: Antibody-conjugated phase-change nano-droplet for ultrasound therapeutic agent. , 2017, , .		0
308	Cover Image, Volume 2, Issue 4. Cancer Reports, 2019, 2, e1214.	0.6	0
309	Immunogenic Cell Death Induced by Selective Intracellular Vaporization in vitro. IFMBE Proceedings, 2021, , 278-283.	0.2	0
310	Bioseparation Engineering. Evaluation of Surface Hydrophobicity of Proteins on Solid Phase Using Surface Plasmon Resonance Sensor.. Kagaku Kogaku Ronbunshu, 2001, 27, 191-196.	0.1	0
311	Lysozyme-dependent Proliferation Switch: Hematopoietic and Hybridoma Cell Growth Control with the Use of Antibody/GP130 Chimera. , 2002, , 337-341.		0
312	Rapid Homogeneous Immunoassay of Peptides Based on Bioluminescence Resonance Energy Transfer from Firefly Luciferase.. Journal of Bioscience and Bioengineering, 2002, 93, 537-542.	1.1	0
313	Genetically Engineered Active Q.BETA. Replicase in Rabbit Reticulocyte Cell-Free System: A Fusion Protein of EF-Tu and EF-Ts Is Functional as the Subunit of Q.BETA. Replicase.. Journal of Bioscience and Bioengineering, 2002, 93, 20-24.	1.1	0
314	Cell Proliferation Switch Responsive to Fluorescein Dimer. , 2003, , 335-339.		0
315	Application of Light-Illumination STM-Investigation of Photocurrent Generation from Self-Assembled Monolayer of Chimera Protein-. Hyomen Kagaku, 2004, 25, 34-41.	0.0	0
316	2P564 A low invasive and high efficient gene delivery method into a single cell using nanoneedle and AFM(53. Bioengineering,Poster Session,Abstract,Meeting Program of EABS & BSJ 2006). Seibutsu Butsurei, 2006, 46, S436.	0.0	0
317	Selective Expansion of Genetically Modified T Cells Using a Chimeric IL-2 Receptor for Cancer Therapy. , 2008, , 11-18.		0
318	Promoting Non-Hematopoietic Cell Proliferation by Chimeric Receptors. , 2008, , 87-93.		0
319	Construction of a Fluorescein-Responsive Chimeric Receptor with Strict Ligand Dependency and Analysis of the Role of Erythropoietin Receptor Domains in Signal Transduction. , 2008, , 187-193.		0
320	Growth Control of Mammalian Cells via a Human Artificial Chromosome Harboring a Chimeric Receptor. , 2010, , 253-258.		0
321	The Characteristic of Chimeric Receptors Based on Erythropoietin Receptor. , 2010, , 265-270.		0
322	Requirement of conserved amino acid residues for ERâ€œexport and recycling of plateletâ€œactivating factor receptor. FASEB Journal, 2010, 24, lb83.	0.2	0
323	Special issue on point of contact between bio-technology and precision engineering. Sensing technology for bioprocess.. Journal of the Japan Society for Precision Engineering, 1990, 56, 247-250.	0.0	0
324	Nitrile Hydratase: Investigation of Its Light-Induced Activation. , 1992, , 76-79.		0

#	ARTICLE	IF	CITATIONS
325	Construction and Expression of Chimeric Protein A - Marine Firefly Luciferase in Mammalian Cells. , 1995, , 521-526.		0
326	Monovalent Antigen Activates Antibody/Cytokine Receptor Chimera and Controls Hematopoietic Cell Growth. , 2002, , 255-259.		0
327	Miniaturization of computer elements. Preface. Advances in Biochemical Engineering/Biotechnology, 2010, 119, xi-xiii.	0.6	0