

Teruyuki Nagamune

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.

317
papers

6,436
citations

42
h-index

65
g-index

339
ext. papers

6,953
ext. citations

4.2
avg, IF

5.71
L-index

#	Paper	IF	Citations
3 ¹⁷	A Novel Cell-Based Intracellular Protein-Protein Interaction Detection Platform (SOLIS) for Multimodality Screening. <i>ACS Synthetic Biology</i> , 2021 , 10, 990-999	5.7	2
3 ¹⁶	Reprogramming signal transduction through a designer receptor tyrosine kinase. <i>Communications Biology</i> , 2021 , 4, 752	6.7	2
3 ¹⁵	Sterically Bulky Caging of Transferrin for Photoactivatable Intracellular Delivery. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1535-1540	6.3	1
3 ¹⁴	Photodegradable avidin-biotinylated polymer conjugate hydrogels for cell manipulation. <i>Biomaterials Science</i> , 2021 , 9, 6416-6424	7.4	0
3 ¹³	Immunogenic Cell Death Induced by Selective Intracellular Vaporization in vitro. <i>IFMBE Proceedings</i> , 2021 , 278-283	0.2	
3 ¹²	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	5.6	7
3 ¹¹	Photo-Cleavable Peptide-Poly(Ethylene Glycol) Conjugate Surfaces for Light-Guided Control of Cell Adhesion. <i>Micromachines</i> , 2020 , 11,	3.3	2
3 ¹⁰	Selective intracellular delivery of perfluorocarbon nanodroplets for cytotoxicity threshold reduction on ultrasound-induced vaporization. <i>Cancer Reports</i> , 2019 , 2, e1165	1.5	3
3 ⁰⁹	An epitope-directed antibody affinity maturation system utilizing mammalian cell survival as readout. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 1742-1751	4.9	5
3 ⁰⁸	Cover Image, Volume 2, Issue 4. <i>Cancer Reports</i> , 2019 , 2, e1214	1.5	78
3 ⁰⁷	Photo-responsive materials with strong cell trapping ability for light-guided manipulation of nonadherent cells. <i>Biomaterials Science</i> , 2019 , 7, 4514-4518	7.4	2
3 ⁰⁶	A Suicide Switch Directly Eliminates Intracellular scFv Oligomers in the Cytoplasm of Mammalian Cells. <i>Biotechnology Journal</i> , 2019 , 14, e1800350	5.6	2
3 ⁰⁵	A Stable Artificial Multienzymatic Complex Using a Heterotrimeric Protein From <i>Metallosphaera sedula</i> . <i>Biotechnology Journal</i> , 2018 , 13, e1700662	5.6	2
3 ⁰⁴	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	3.3	11
3 ⁰³	Artificial Self-Sufficient Cytochrome P450 Containing Multiple Auxiliary Proteins Demonstrates Improved Monooxygenase Activity. <i>Biotechnology Journal</i> , 2018 , 13, e1800088	5.6	4
3 ⁰²	Stepwise phosphorylation of leukotriene B receptor 1 defines cellular responses to leukotriene B. <i>Science Signaling</i> , 2018 , 11,	8.8	9
3 ⁰¹	Designing Motif-Engineered Receptors To Elucidate Signaling Molecules Important for Proliferation of Hematopoietic Stem Cells. <i>ACS Synthetic Biology</i> , 2018 , 7, 1709-1714	5.7	7

300	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	6.4	4
299	Protein refolding is improved by adding nonionic polyethylene glycol monooleyl ethers with various polyethylene glycol lengths. <i>Biotechnology Journal</i> , 2017 , 12, 1600689	5.6	4
298	A Chemically Inducible Helper Module for Detecting Protein-Protein Interactions with Tunable Sensitivity Based on KIPPIS. <i>Analytical Chemistry</i> , 2017 , 89, 4824-4830	7.8	5
297	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	7.2	13
296	Selective intracellular vaporisation of antibody-conjugated phase-change nano-droplets in vitro. <i>Scientific Reports</i> , 2017 , 7, 44077	4.9	15
295	Engineering a growth sensor to select intracellular antibodies in the cytosol of mammalian cells. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 124, 125-132	3.3	3
294	Cell-Surface Expression Levels Are Important for Fine-Tuning the Performance of Receptor Tyrosine Kinase-Based Signalobodies. <i>Biotechnology Journal</i> , 2017 , 12, 1700441	5.6	4
293	Microfluidic preparation of anchored cell membrane sheets for in vitro analyses and manipulation of the cytoplasmic face. <i>Scientific Reports</i> , 2017 , 7, 14962	4.9	4
292	Biomolecular engineering for nanobio/bionanotechnology. <i>Nano Convergence</i> , 2017 , 4, 9	9.2	58
291	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	1.3	2
290	Correlation between Activity and Molecular Structure around the Active Center of Cytochrome P450cam Conjugates. <i>Journal of Chemical Engineering of Japan</i> , 2016 , 49, 475-480	0.8	
289	Three proliferating cell nuclear antigen homologues from <i>Metallosphaera sedula</i> form a head-to-tail heterotrimer. <i>Scientific Reports</i> , 2016 , 6, 26588	4.9	3
288	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15002-15006	16.4	16
287	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. <i>Angewandte Chemie</i> , 2016 , 128, 15226-15230	3.6	5
286	Growth signalobody selects functional intrabodies in the mammalian cytoplasm. <i>Biotechnology Journal</i> , 2016 , 11, 565-73	5.6	7
285	Photolytic Protein Aggregates: Versatile Materials for Controlled Release of Active Proteins. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1002-7	10.1	4
284	The lifetime evaluation of vapourised phase-change nano-droplets. <i>Ultrasonics</i> , 2016 , 69, 97-105	3.5	25
283	Ligand-inducible dimeric antibody for selecting antibodies against a membrane protein based on mammalian cell proliferation. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1113-23	4.9	5

282	Differentiation signalobody: Demonstration of antigen-dependent osteoclast differentiation from a progenitor cell line. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 357-63	3.3	2
281	Peptide Tag-Induced Horseradish Peroxidase-Mediated Preparation of a Streptavidin-Immobilized Redox-Sensitive Hydrogel. <i>Biomacromolecules</i> , 2016 , 17, 1978-84	6.9	11
280	Tyrosine Coupling Creates a Hyperbranched Multivalent Protein Polymer Using Horseradish Peroxidase via Bipolar Conjugation Points. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1348-59	6.3	15
279	Immobilization of bacterial cytochrome P450 and cofactor regeneration system on magnetic beads via DNA clamp. <i>New Biotechnology</i> , 2016 , 33, S99	6.4	
278	Cell-Based Odorant Sensor Array for Odor Discrimination Based on Insect Odorant Receptors. <i>Journal of Chemical Ecology</i> , 2016 , 42, 716-24	2.7	36
277	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, 1487-92	5.6	47
276	Photosensitizer and polycationic peptide-labeled streptavidin as a nano-carrier for light-controlled protein transduction. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 630-6	3.3	10
275	Selection of cDNA candidates that induce oligomerization of NLRP3 using a chimeric receptor approach. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 223-30	3.3	
274	Sortase A-mediated synthesis of ligand-grafted cyclized peptides for modulating a model protein-protein interaction. <i>Biotechnology Journal</i> , 2015 , 10, 1499-505	5.6	13
273	Antibody opsonization of tumor cell membranes using hapten-PEG-lipid conjugates. <i>Journal of Biomedical Engineering and Informatics</i> , 2015 , 2, 1		
272	Supramolecular protein assembly supports immobilization of a cytochrome P450 monooxygenase system as water-insoluble gel. <i>Scientific Reports</i> , 2015 , 5, 8648	4.9	25
271	Domain structure of growth signalobodies critically affects the outcome of antibody library selection. <i>Journal of Biochemistry</i> , 2015 , 157, 497-506	3.1	3
270	Dynamic photochemical lipid micropatterning for manipulation of nonadherent mammalian cells. <i>Methods in Cell Biology</i> , 2014 , 120, 131-44	1.8	
269	A novel platform for antibody library selection in mammalian cells based on a growth signalobody. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 1170-9	4.9	7
268	Split focal adhesion kinase for probing protein-protein interactions. <i>Biochemical Engineering Journal</i> , 2014 , 90, 272-278	4.2	3
267	Modeling tandem AAG8-MEK inhibition in melanoma cells. <i>Cancer Medicine</i> , 2014 , 3, 710-8	4.8	1
266	Visualization of the pH-dependent dynamic distribution of G2A in living cells. <i>FASEB Journal</i> , 2014 , 28, 3965-74	0.9	9
265	AAG8 promotes carcinogenesis by activating STAT3. <i>Cellular Signalling</i> , 2014 , 26, 1863-9	4.9	8

264	Electron donation to an archaeal cytochrome P450 is enhanced by PCNA-mediated selective complex formation with foreign redox proteins. <i>Biotechnology Journal</i> , 2014 , 9, 1573-81	5.6	13
263	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, 215-21	6	3
262	Detecting protein-protein interactions based on kinase-mediated growth induction of mammalian cells. <i>Scientific Reports</i> , 2014 , 4, 6127	4.9	18
261	Imidazolium-based polymer hydrogels with microdomains as carriers of hydrophobic molecules. <i>Polymer Journal</i> , 2014 , 46, 880-886	2.7	1
260	S-Fms signalobody enhances myeloid cell growth and migration. <i>Biotechnology Journal</i> , 2014 , 9, 954-61	5.6	4
259	Antigen-responsive regulation of Cell motility and migration via the signalobodies based on c-Fms and c-Mpl. <i>Biotechnology Progress</i> , 2014 , 30, 411-7	2.8	4
258	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, 1670-6	5.5	14
257	Quantitative control of intracellular signaling activity through chimeric receptors incorporating multiple identical tyrosine motifs. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 948-55	4.9	3
256	Molecular recognition moiety and its target biomolecule interact in switching enzyme activity. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 639-44	3.3	3
255	Construction of unnatural heterodimeric receptors based on IL-2 and IL-6 receptor subunits. <i>Biotechnology Progress</i> , 2013 , 29, 1512-8	2.8	1
254	Amino acid residues of G-protein-coupled receptors critical for endoplasmic reticulum export and trafficking. <i>Methods in Enzymology</i> , 2013 , 521, 203-16	1.7	3
253	Sterically bulky caging for light-inducible protein activation. <i>Chemical Communications</i> , 2013 , 49, 3013-5	5.8	15
252	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, 339-45	3.3	2
251	Intracellular protein cyclization catalyzed by exogenously transduced <i>Streptococcus pyogenes</i> sortase A. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 298-301	3.3	9
250	Effect of length of molecular recognition moiety on enzymatic activity switching. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 433-7	3.3	3
249	Top-down motif engineering of a cytokine receptor for directing ex vivo expansion of hematopoietic stem cells. <i>Journal of Biotechnology</i> , 2013 , 168, 659-65	3.7	3
248	Introduction of selective intersubunit disulfide bonds into self-assembly protein scaffold to enhance an artificial multienzyme complex activity. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 1858-64	4.9	20
247	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, 149-63	1.4	3

246	Construction of antibody/insulin receptor chimera for growth induction of mammalian cells. <i>Cytotechnology</i> , 2013 , 65, 945-53	2.2	9
245	Protein refolding using chemical refolding additives. <i>Biotechnology Journal</i> , 2013 , 8, 17-31	5.6	100
244	Death signalobody: inducing conditional cell death in response to a specific antigen. <i>Human Gene Therapy Methods</i> , 2013 , 24, 141-50	4.9	9
243	Phosphite-driven Self-sufficient Cytochrome P450. <i>ChemCatChem</i> , 2013 , 5, 3835-3840	5.2	10
242	Protein cell-surface display through in situ enzymatic modification of proteins with a poly(Ethylene glycol)-lipid. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 2785-9	4.9	22
241	Cell fate conversion by conditionally switching the signal-transducing domain of signalobodies. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 3219-26	4.9	2
240	Transfer printing of transfected cell microarrays from poly(ethylene glycol)-oleyl surfaces onto biological hydrogels. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 3269-74	4.9	4
239	Reconstitution of a cytokine receptor scaffold utilizing multiple different tyrosine motifs. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 3197-204	4.9	10
238	?? P450???. <i>Kagaku To Seibutsu</i> , 2013 , 51, 521-523	0	
237	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	3.7	30
236	Growth control of genetically modified cells using an antibody/c-Kit chimera. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 641-6	3.3	19
235	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, 244-51	4.9	7
234	Photocontrollable Dynamic Micropatterning of Non-adherent Mammalian Cells Using a Photocleavable Poly(ethylene glycol) Lipid. <i>Angewandte Chemie</i> , 2012 , 124, 132-135	3.6	23
233	Photocontrollable dynamic micropatterning of non-adherent mammalian cells using a photocleavable poly(ethylene glycol) lipid. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 128-31	16.4	56
232	Engineering of mammalian cell membrane proteins. <i>Current Opinion in Chemical Engineering</i> , 2012 , 1, 411-417	5.4	15
231	Artificial Protein Complexes for Biocatalysis. <i>Topics in Catalysis</i> , 2012 , 55, 1124-1137	2.3	13
230	Activation of target signal transducers utilizing chimeric receptors with signaling-molecule binding motifs. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1528-37	4.9	13
229	Design of Ca ²⁺ -independent Staphylococcus aureus sortase A mutants. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 2955-61	4.9	49

228	Poly(ethylene glycol)-Lipid-Conjugated Antibodies Enhance Dendritic Cell Phagocytosis of Apoptotic Cancer Cells. <i>Pharmaceuticals</i> , 2012 , 5, 405-16	5.2	9
227	Nanoscale-engineered cytochrome p450 system with a branch structure. <i>Methods in Molecular Biology</i> , 2011 , 743, 1-16	1.4	1
226	Growth promotion of genetically modified hematopoietic progenitors using an antibody/c-Mpl chimera. <i>Cytokine</i> , 2011 , 55, 402-8	4	19
225	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	3.3	22
224	Avidin-biotin-based approach to forming heterotypic cell clusters and cell sheets on a gas-permeable membrane. <i>Biofabrication</i> , 2011 , 3, 034111	10.5	4
223	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, 10-5	3.3	9
222	Recombinant hBMP4 incorporated with non-canonical amino acid for binding to hydroxyapatite. <i>Biotechnology Letters</i> , 2011 , 33, 1885-90	3	18
221	Protein refolding by N-alkylpyridinium and N-alkyl-N-methylpyrrolidinium ionic liquids. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 164, 957-67	3.2	45
220	Induction of oligodendrocyte differentiation from adult human fibroblast-derived induced pluripotent stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2011 , 47, 464-9	2.6	41
219	Enhancement of sortase A-mediated protein ligation by inducing a hairpin structure around the ligation site. <i>Chemical Communications</i> , 2011 , 47, 4742-4	5.8	47
218	Immobilized culture and transfection microarray of non-adherent cells. <i>Methods in Molecular Biology</i> , 2011 , 706, 151-7	1.4	1
217	Artificial self-sufficient P450 in reversed micelles. <i>Molecules</i> , 2010 , 15, 2935-48	4.8	4
216	Amino acid residues critical for endoplasmic reticulum export and trafficking of platelet-activating factor receptor. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5931-40	5.4	25
215	Light-activated gene expression from site-specific caged DNA with a biotinylated photolabile protection group. <i>Chemical Communications</i> , 2010 , 46, 2244-6	5.8	34
214	Icariin: a potential osteoinductive compound for bone tissue engineering. <i>Tissue Engineering - Part A</i> , 2010 , 16, 233-43	3.9	80
213	Artificial chaperone-assisted refolding in a microchannel. <i>Bioprocess and Biosystems Engineering</i> , 2010 , 33, 171-7	3.7	10
212	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	3.1	8
211	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, 15-9	3.3	5

210	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, 622-8 ^{3.3}	36
209	Molecular assembly of P450 with ferredoxin and ferredoxin reductase by fusion to PCNA. <i>ChemBioChem</i> , 2010 , 11, 1517-20	3.8 68
208	Development of Small Molecular Artificial Chaperone for Protein Refolding and Artificial Chaperone-Assisted Proteomics Technology. <i>Journal of Biotechnology</i> , 2010 , 150, 401-402	3.7 1
207	Engineering cytokine receptors to control cellular functions. <i>Biochemical Engineering Journal</i> , 2010 , 48, 283-294	4.2 18
206	Growth Control of Mammalian Cells via a Human Artificial Chromosome Harboring a Chimeric Receptor 2010 , 253-258	
205	The Characteristic of Chimeric Receptors Based on Erythropoietin Receptor 2010 , 265-270	
204	Requirement of conserved amino acid residues for ER-export and recycling of platelet-activating factor receptor. <i>FASEB Journal</i> , 2010 , 24, lb83	0.9
203	The influence of domain structures on the signal transduction of chimeric receptors derived from the erythropoietin receptor. <i>Journal of Biochemistry</i> , 2009 , 145, 575-84	3.1 26
202	Bone regeneration using collagen type I vitrigel with bone morphogenetic protein-2. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 107, 318-23	3.3 46
201	Fluorescein-responsive migration of mammalian cells equipped with an antibody/receptor chimera. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 108, S33	3.3
200	Sortase-mediated ligation: a gift from Gram-positive bacteria to protein engineering. <i>ChemBioChem</i> , 2009 , 10, 787-98	3.8 164
199	Selection and growth regulation of genetically modified cells with hapten-specific antibody/receptor tyrosine kinase chimera. <i>Biotechnology Progress</i> , 2009 , 25, 1138-45	2.8 24
198	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, 13568-9	16.4 7
197	T cell growth control using hapten-specific antibody/interleukin-2 receptor chimera. <i>Cytokine</i> , 2009 , 46, 127-36	4 28
196	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 , 1022-4	5.8 61
195	Successful control of aggregation and folding rates during refolding of denatured lysozyme by adding N-methylimidazolium cations with various NPsubstituents. <i>Biotechnology Progress</i> , 2008 , 24, 402-8 ^{2.8}	30
194	Selective expansion of genetically modified T cells using an antibody/interleukin-2 receptor chimera. <i>Journal of Immunological Methods</i> , 2008 , 337, 16-23	2.5 13
193	Icariin induces osteogenic differentiation in vitro in a BMP- and Runx2-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 369, 444-8	3.4 132

192	Covalent split protein fragment-DNA hybrids generated through N-terminus-specific modification of proteins by oligonucleotides. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 2187-94	3.9	21
191	Antigen-mediated migration of murine pro-B Ba/F3 cells via an antibody/receptor chimera. <i>Journal of Biotechnology</i> , 2008 , 133, 154-61	3.7	9
190	A bromocoumarin-based linker for synthesis of photocleavable peptidoconjugates with high photosensitivity. <i>Chemical Communications</i> , 2008 , 5399-401	5.8	21
189	Site-specific protein modification on living cells catalyzed by Sortase. <i>ChemBioChem</i> , 2008 , 9, 802-7	3.8	135
188	A caged phosphopeptide-based approach for photochemical activation of kinases in living cells. <i>ChemBioChem</i> , 2008 , 9, 1583-6	3.8	23
187	Construction of a fluorescein-responsive chimeric receptor with strict ligand dependency. <i>Biotechnology and Bioengineering</i> , 2008 , 101, 975-84	4.9	19
186	Effect of beta-cyclodextrin on the renaturation of enzymes after sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Analytical Biochemistry</i> , 2008 , 381, 273-5	3.1	10
185	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, 215-25	6	100
184	Selective Expansion of Genetically Modified T Cells Using a Chimeric IL-2 Receptor for Cancer Therapy 2008 , 11-18		
183	Promoting Non-Hematopoietic Cell Proliferation by Chimeric Receptors 2008 , 87-93		
182	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		
181	Construction of a small-molecule-integrated semisynthetic split intein for in vivo protein ligation. <i>Chemical Communications</i> , 2007 , 4995-7	5.8	32
180	Enhanced fluorescence resonance energy transfer immunoassay with improved sensitivity based on the FabPbased immunoconjugates. <i>Analytical Biochemistry</i> , 2007 , 360, 266-72	3.1	16
179	Creation of a Thermostable Firefly Luciferase with pH-insensitive Luminescent Color. <i>Photochemistry and Photobiology</i> , 2007 , 77, 333-338	3.6	3
178	Food restriction in pregnant mice can induce changes in histone modifications and suppress gene expression in fetus. <i>Nucleic Acids Symposium Series</i> , 2007 , 125-6		14
177	Intramolecular electron transfer in a cytochrome P450cam system with a site-specific branched structure. <i>Protein Engineering, Design and Selection</i> , 2007 , 20, 453-9	1.9	38
176	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, 563-71	3.1	6
175	?????????????????. <i>Kobunshi</i> , 2007 , 56, 828-830		

174	Antigen-mediated growth control of hybridoma cells via a human artificial chromosome. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007 , 1770, 206-12	4	10
173	Growth control of hybridoma cells with an artificially induced EpoR-gp130 heterodimer. <i>Cytotechnology</i> , 2006 , 52, 171-9	2.2	5
172	Charge trap in self-assembled monolayer of cytochrome b562-green fluorescent protein chimera. <i>Current Applied Physics</i> , 2006 , 6, 760-765	2.6	7
171	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, 181-7	3.7	24
170	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, 927-37		53
169	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	4.3	18
168	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). <i>Seibutsu Butsuri</i> , 2006 , 46, S436	0	
167	Modulating the actions of NK cell-mediated cytotoxicity using lipid-PEG (n) and inhibitory receptor-specific antagonistic peptide conjugates. <i>Biotechnology Progress</i> , 2005 , 21, 1226-30	2.8	7
166	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, 1988-94	3.8	16
165	N-terminal glycine-specific protein conjugation catalyzed by microbial transglutaminase. <i>FEBS Letters</i> , 2005 , 579, 2092-6	3.8	61
164	FGF signal regulates gastrulation cell movements and morphology through its target NRH. <i>Developmental Biology</i> , 2005 , 282, 95-110	3.1	30
163	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, 82-7	3.3	49
162	Log P effect of organic solvents on a thermophilic alcohol dehydrogenase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1748, 94-9	4	21
161	A cysteine-appended deoxyuridine for the postsynthetic DNA modification using native chemical ligation. <i>Tetrahedron Letters</i> , 2005 , 46, 2235-2238	2	17
160	Single-stage autotrophic nitrogen-removal process using a composite matrix immobilizing nitrifying and sulfur-denitrifying bacteria. <i>Applied Microbiology and Biotechnology</i> , 2005 , 68, 124-30	5.7	10
159	Recombinant extracellular matrix-like proteins with repetitive elastin or collagen-like functional motifs. <i>Biotechnology Letters</i> , 2005 , 27, 665-70	3	14
158	Transfection microarray of nonadherent cells on an oleyl poly(ethylene glycol) ether-modified glass slide. <i>BioTechniques</i> , 2004 , 37, 444-8, 450, 452	2.5	35
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