

# Teruyuki Nagamune

## List of Publications by Citations

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317  
papers

6,436  
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42  
h-index

65  
g-index

339  
ext. papers

6,953  
ext. citations

4.2  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
317	Design of the linkers which effectively separate domains of a bifunctional fusion protein. <i>Protein Engineering, Design and Selection</i> , <b>2001</b> , 14, 529-32	1.9	400
316	Sortase-mediated ligation: a gift from Gram-positive bacteria to protein engineering. <i>ChemBioChem</i> , <b>2009</b> , 10, 787-98	3.8	164
315	Post-translational modification is essential for catalytic activity of nitrile hydratase. <i>Protein Science</i> , <b>2000</b> , 9, 1024-30	6.3	147
314	Site-specific protein modification on living cells catalyzed by Sortase. <i>ChemBioChem</i> , <b>2008</b> , 9, 802-7	3.8	135
313	Open sandwich ELISA: a novel immunoassay based on the interchain interaction of antibody variable region. <i>Nature Biotechnology</i> , <b>1996</b> , 14, 1714-8	44.5	135
312	Icariin induces osteogenic differentiation in vitro in a BMP- and Runx2-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 369, 444-8	3.4	132
311	Activity Regulation of Photoreactive Nitrile Hydratase by Nitric Oxide. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 3785-3791	16.4	108
310	Protein refolding using chemical refolding additives. <i>Biotechnology Journal</i> , <b>2013</b> , 8, 17-31	5.6	100
309	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> , <b>2008</b> , 4, 215-25	6	100
308	Conformations of variably linked chimeric proteins evaluated by synchrotron X-ray small-angle scattering. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2004</b> , 57, 829-38	4.2	95
307	Rapid protein anchoring into the membranes of Mammalian cells using oleyl chain and poly(ethylene glycol) derivatives. <i>Biotechnology Progress</i> , <b>2004</b> , 20, 897-904	2.8	89
306	Icariin: a potential osteoinductive compound for bone tissue engineering. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 233-43	3.9	80
305	Cover Image, Volume 2, Issue 4. <i>Cancer Reports</i> , <b>2019</b> , 2, e1214	1.5	78
304	Photosensitive nitrile hydratase intrinsically possesses nitric oxide bound to the non-heme iron center: evidence by Fourier transform infrared spectroscopy. <i>FEBS Letters</i> , <b>1995</b> , 358, 9-12	3.8	78
303	Molecular assembly of P450 with ferredoxin and ferredoxin reductase by fusion to PCNA. <i>ChemBioChem</i> , <b>2010</b> , 11, 1517-20	3.8	68
302	Immobilized culture of nonadherent cells on an oleyl poly(ethylene glycol) ether-modified surface. <i>BioTechniques</i> , <b>2003</b> , 35, 1014-8, 1020-1	2.5	67
301	Demonstration of a homogeneous noncompetitive immunoassay based on bioluminescence resonance energy transfer. <i>Analytical Biochemistry</i> , <b>2001</b> , 289, 77-81	3.1	66

300	Expansion of the sortase-mediated labeling method for site-specific N-terminal labeling of cell surface proteins on living cells. <i>Chemical Communications</i> , <b>2009</b> , 1022-4	5.8	61
299	N-terminal glycine-specific protein conjugation catalyzed by microbial transglutaminase. <i>FEBS Letters</i> , <b>2005</b> , 579, 2092-6	3.8	61
298	Biomolecular engineering for nanobio/bionanotechnology. <i>Nano Convergence</i> , <b>2017</b> , 4, 9	9.2	58
297	High speed polymerase chain reaction in constant flow. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>1994</b> , 58, 349-52	2.1	58
296	Photocontrollable dynamic micropatterning of non-adherent mammalian cells using a photocleavable poly(ethylene glycol) lipid. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 128-31	16.4	56
295	Purification of inactivated photoresponsive nitrile hydratase. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 168, 437-42	3.4	56
294	Bone-like tissue formation by three-dimensional culture of MG63 osteosarcoma cells in gelatin hydrogels using calcium-enriched medium. <i>Tissue Engineering</i> , <b>2006</b> , 12, 927-37		53
293	Detection of protein-protein interaction by bioluminescence resonance energy transfer from firefly luciferase to red fluorescent protein. <i>Journal of Bioscience and Bioengineering</i> , <b>2002</b> , 94, 362-364	3.3	52
292	Peptidyl linkers for protein heterodimerization catalyzed by microbial transglutaminase. <i>Bioconjugate Chemistry</i> , <b>2004</b> , 15, 491-7	6.3	50
291	Design of Ca <sup>2+</sup> -independent Staphylococcus aureus sortase A mutants. <i>Biotechnology and Bioengineering</i> , <b>2012</b> , 109, 2955-61	4.9	49
290	Cell adhesion ability of artificial extracellular matrix proteins containing a long repetitive Arg-Gly-Asp sequence. <i>Journal of Bioscience and Bioengineering</i> , <b>2005</b> , 100, 82-7	3.3	49
289	Open sandwich enzyme-linked immunosorbent assay for the quantitation of small haptens. <i>Analytical Biochemistry</i> , <b>2000</b> , 286, 238-46	3.1	49
288	PHOTOSENSITIVE PHENOMENA OF NITRILE HYDRATASE OF Rhodococcus sp. N-771. <i>Photochemistry and Photobiology</i> , <b>1990</b> , 51, 87-90	3.6	48
287	Ca <sup>2+</sup> -independent sortase-A exhibits high selective protein ligation activity in the cytoplasm of Escherichia coli. <i>Biotechnology Journal</i> , <b>2015</b> , 10, 1487-92	5.6	47
286	Enhancement of sortase A-mediated protein ligation by inducing a hairpin structure around the ligation site. <i>Chemical Communications</i> , <b>2011</b> , 47, 4742-4	5.8	47
285	S-peptide as a potent peptidyl linker for protein cross-linking by microbial transglutaminase from Streptomyces mobaraensis. <i>Bioconjugate Chemistry</i> , <b>2003</b> , 14, 351-7	6.3	47
284	Bone regeneration using collagen type I vitrigel with bone morphogenetic protein-2. <i>Journal of Bioscience and Bioengineering</i> , <b>2009</b> , 107, 318-23	3.3	46
283	Engineering of functional chimeric protein G-Vargula luciferase. <i>Analytical Biochemistry</i> , <b>1997</b> , 249, 147-52		46

282	Open sandwich ELISA with V(H)-/V(L)-alkaline phosphatase fusion proteins. <i>Journal of Immunological Methods</i> , <b>1999</b> , 224, 171-84	2.5	46
281	Protein refolding by N-alkylpyridinium and N-alkyl-N-methylpyrrolidinium ionic liquids. <i>Applied Biochemistry and Biotechnology</i> , <b>2011</b> , 164, 957-67	3.2	45
280	Creation of a thermostable firefly luciferase with pH-insensitive luminescent color. <i>Photochemistry and Photobiology</i> , <b>2003</b> , 77, 333-8	3.6	44
279	Microbial ecology of nitrifying bacteria in wastewater treatment process examined by fluorescence in situ hybridization. <i>Journal of Bioscience and Bioengineering</i> , <b>2000</b> , 90, 234-240	3.3	44
278	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> , <b>2000</b> , 13, 369-76	1.9	44
277	Enzymatic labeling of a single chain variable fragment of an antibody with alkaline phosphatase by microbial transglutaminase. <i>Biotechnology and Bioengineering</i> , <b>2004</b> , 86, 399-404	4.9	43
276	Site-specific conjugation of oligonucleotides to the C-terminus of recombinant protein by expressed protein ligation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 2407-10	2.9	43
275	Induction of oligodendrocyte differentiation from adult human fibroblast-derived induced pluripotent stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2011</b> , 47, 464-9	2.6	41
274	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> , <b>2004</b> , 9, 749-61	2.3	40
273	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> , <b>1996</b> , 82, 421-425		39
272	Intramolecular electron transfer in a cytochrome P450cam system with a site-specific branched structure. <i>Protein Engineering, Design and Selection</i> , <b>2007</b> , 20, 453-9	1.9	38
271	Rapid homogeneous immunoassay of peptides based on bioluminescence resonance energy transfer from firefly luciferase. <i>Journal of Bioscience and Bioengineering</i> , <b>2002</b> , 93, 537-542	3.3	38
270	Flow injection microbial trichloroethylene sensor. <i>Talanta</i> , <b>2002</b> , 57, 271-6	6.2	38
269	Properties of an alcohol dehydrogenase from the hyperthermophilic archaeon <i>Aeropyrum pernix</i> K1. <i>Journal of Bioscience and Bioengineering</i> , <b>2004</b> , 97, 202-6	3.3	37
268	Expanded-bed protein refolding using a solid-phase artificial chaperone. <i>Journal of Bioscience and Bioengineering</i> , <b>2001</b> , 91, 403-8	3.3	37
267	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> , <b>2010</b> , 109, 622-8	3.3	36
266	Cell-Based Odorant Sensor Array for Odor Discrimination Based on Insect Odorant Receptors. <i>Journal of Chemical Ecology</i> , <b>2016</b> , 42, 716-24	2.7	36
265	Transfection microarray of nonadherent cells on an oleyl poly(ethylene glycol) ether-modified glass slide. <i>BioTechniques</i> , <b>2004</b> , 37, 444-8, 450, 452	2.5	35

264	Observation of charge state and conformational change in immobilized protein using surface plasmon resonance sensor. <i>Analytical Biochemistry</i> , <b>2001</b> , 293, 185-93	3.1	35
263	Light-activated gene expression from site-specific caged DNA with a biotinylated photolabile protection group. <i>Chemical Communications</i> , <b>2010</b> , 46, 2244-6	5.8	34
262	Site-specific cross-linking of functional proteins by transglutamination. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 33, 492-496	3.8	34
261	Construction, bacterial expression, and characterization of hapten-specific single-chain Fv and alkaline phosphatase fusion protein. <i>Journal of Biochemistry</i> , <b>1997</b> , 122, 322-9	3.1	33
260	Homogeneous noncompetitive immunoassay based on the energy transfer between fluorolabeled antibody variable domains (open sandwich fluoroimmunoassay). <i>BioTechniques</i> , <b>1999</b> , 27, 738-42	2.5	33
259	Construction of a small-molecule-integrated semisynthetic split intein for in vivo protein ligation. <i>Chemical Communications</i> , <b>2007</b> , 4995-7	5.8	32
258	Selection of genetically modified cell population using hapten-specific antibody/receptor chimera. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 315, 132-8	3.4	32
257	Hydrodynamic and mass transfer study of a gas-liquid-solid draft tube spouted bed bioreactor. <i>Chemical Engineering Science</i> , <b>1992</b> , 47, 3581-3588	4.4	32
256	Luminescent and substrate binding activities of firefly luciferase N-terminal domain. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2003</b> , 1649, 183-9	4	31
255	Microbial sensor for trichloroethylene determination. <i>Analytica Chimica Acta</i> , <b>2001</b> , 431, 225-230	6.6	31
254	Fine tuning of spatial arrangement of enzymes in a PCNA-mediated multienzyme complex using a rigid poly-L-proline linker. <i>PLoS ONE</i> , <b>2013</b> , 8, e75114	3.7	30
253	Successful control of aggregation and folding rates during refolding of denatured lysozyme by adding N-methylimidazolium cations with various NPs substituents. <i>Biotechnology Progress</i> , <b>2008</b> , 24, 402-3 <sup>8</sup>	2.8	30
252	FGF signal regulates gastrulation cell movements and morphology through its target NRH. <i>Developmental Biology</i> , <b>2005</b> , 282, 95-110	3.1	30
251	A general method to select antibody fragments suitable for noncompetitive detection of monovalent antigens. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 4057-64	7.8	30
250	Secondary structure analyses of protein films on gold surfaces by circular dichroism. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 310, 606-11	3.4	30
249	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> , <b>2000</b> , 6, 1907-16	4.8	30
248	Crystallization of a photosensitive nitrile hydratase from <i>Rhodococcus</i> sp. N-771. <i>Journal of Molecular Biology</i> , <b>1991</b> , 220, 221-2	6.5	30
247	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> , <b>2000</b> , 241, 159-70	2.5	29

246	Spectroscopic observation of the intramolecular electron transfer in the photoactivation processes of nitrile hydratase. <i>Biochemistry</i> , <b>1994</b> , 33, 3577-83	3.2	29
245	T cell growth control using hapten-specific antibody/interleukin-2 receptor chimera. <i>Cytokine</i> , <b>2009</b> , 46, 127-36	4	28
244	Expanded-bed protein refolding using a solid-phase artificial chaperone. <i>Journal of Bioscience and Bioengineering</i> , <b>2001</b> , 91, 403-408	3.3	28
243	A homogeneous noncompetitive immunoassay for the detection of small haptens. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 2500-4	7.8	28
242	High density culture of lactobacillus casei by a Cross-Flow culture method based on kinetic properties of the microorganism. <i>Journal of Bioscience and Bioengineering</i> , <b>1990</b> , 70, 404-408		28
241	Fabrication of Protein Microarrays for Immunoassay Using the Electrospray Deposition (ESD) Method.. <i>Journal of Chemical Engineering of Japan</i> , <b>2003</b> , 36, 1370-1375	0.8	27
240	The influence of domain structures on the signal transduction of chimeric receptors derived from the erythropoietin receptor. <i>Journal of Biochemistry</i> , <b>2009</b> , 145, 575-84	3.1	26
239	Protein microarrays and their applications. <i>Biotechnology and Bioprocess Engineering</i> , <b>2004</b> , 9, 69-75	3.1	26
238	Cloning and characterization of extradiol aromatic ring-cleavage dioxygenases of <i>Pseudomonas aeruginosa</i> J1104. <i>Journal of Bioscience and Bioengineering</i> , <b>1996</b> , 82, 217-223		26
237	The lifetime evaluation of vapourised phase-change nano-droplets. <i>Ultrasonics</i> , <b>2016</b> , 69, 97-105	3.5	25
236	Supramolecular protein assembly supports immobilization of a cytochrome P450 monooxygenase system as water-insoluble gel. <i>Scientific Reports</i> , <b>2015</b> , 5, 8648	4.9	25
235	Amino acid residues critical for endoplasmic reticulum export and trafficking of platelet-activating factor receptor. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 5931-40	5.4	25
234	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> , <b>1997</b> , 10, 1311-8	1.9	25
233	Bypassing antibiotic selection: positive screening of genetically modified cells with an antigen-dependent proliferation switch. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, e32	20.1	25
232	A homogeneous and noncompetitive immunoassay based on the enhanced fluorescence resonance energy transfer by leucine zipper interaction. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 5786-92	7.8	25
231	Object-oriented fuzzy expert system for on-line diagnosing and control of bioprocesses. <i>Applied Microbiology and Biotechnology</i> , <b>1992</b> , 37, 756-61	5.7	25
230	Selection and growth regulation of genetically modified cells with hapten-specific antibody/receptor tyrosine kinase chimera. <i>Biotechnology Progress</i> , <b>2009</b> , 25, 1138-45	2.8	24
229	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> , <b>2006</b> , 139, 181-7	3.7	24

228	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> , <b>2004</b> , 19, 1169-74	11.8	24
227	Monitoring of the refolding process for immobilized firefly luciferase with a biosensor based on surface plasmon resonance. <i>Journal of Biochemistry</i> , <b>2001</b> , 129, 1-4	3.1	24
226	Photocontrollable Dynamic Micropatterning of Non-adherent Mammalian Cells Using a Photocleavable Poly(ethylene glycol) Lipid. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 132-135	3.6	23
225	A caged phosphopeptide-based approach for photochemical activation of kinases in living cells. <i>ChemBioChem</i> , <b>2008</b> , 9, 1583-6	3.8	23
224	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> , <b>2004</b> , 70, 179-85		23
223	An optimized homogeneous noncompetitive immunoassay based on the antigen-driven enzymatic complementation. <i>Journal of Immunological Methods</i> , <b>2003</b> , 279, 209-18	2.5	23
222	Protein cell-surface display through in situ enzymatic modification of proteins with a poly(Ethylene glycol)-lipid. <i>Biotechnology and Bioengineering</i> , <b>2013</b> , 110, 2785-9	4.9	22
221	Immunopanning selection of A2B5-positive cells increased the differentiation efficiency of induced pluripotent stem cells into oligodendrocytes. <i>Neuroscience Letters</i> , <b>2011</b> , 489, 79-83	3.3	22
220	Photosensitive nitrile hydratase from <i>Rhodococcus</i> sp. N-771. Structure and function of the enzyme. <i>Annals of the New York Academy of Sciences</i> , <b>1992</b> , 672, 29-36	6.5	22
219	Detection of protein-protein interaction by bioluminescence resonance energy transfer from firefly luciferase to red fluorescent protein. <i>Journal of Bioscience and Bioengineering</i> , <b>2002</b> , 94, 362-4	3.3	22
218	Conformational change of protein cytochrome b-562 adsorbed on colloidal gold particles; absorption band shift. <i>Chemical Communications</i> , <b>1997</b> , 605-606	5.8	21
217	Covalent split protein fragment-DNA hybrids generated through N-terminus-specific modification of proteins by oligonucleotides. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 2187-94	3.9	21
216	A bromocoumarin-based linker for synthesis of photocleavable peptidoconjugates with high photosensitivity. <i>Chemical Communications</i> , <b>2008</b> , 5399-401	5.8	21
215	Log P effect of organic solvents on a thermophilic alcohol dehydrogenase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2005</b> , 1748, 94-9	4	21
214	Introduction of selective intersubunit disulfide bonds into self-assembly protein scaffold to enhance an artificial multienzyme complex activity. <i>Biotechnology and Bioengineering</i> , <b>2013</b> , 110, 1858-64	4.9	20
213	Importance of a CDR H3 basal residue in V(H)/V(L) interaction of human antibodies. <i>Journal of Biochemistry</i> , <b>2002</b> , 132, 775-82	3.1	20
212	Growth control of genetically modified cells using an antibody/c-Kit chimera. <i>Journal of Bioscience and Bioengineering</i> , <b>2012</b> , 113, 641-6	3.3	19
211	Growth promotion of genetically modified hematopoietic progenitors using an antibody/c-Mpl chimera. <i>Cytokine</i> , <b>2011</b> , 55, 402-8	4	19

210	Construction of a fluorescein-responsive chimeric receptor with strict ligand dependency. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 101, 975-84	4.9	19
209	Design of an artificial light-harvesting unit by protein engineering: cytochrome b(562)-green fluorescent Protein chimera. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 289, 299-304	3.4	19
208	Effect of culture temperature shift on the cellular sugar accumulation of <i>Chlorella vulgaris</i> SO-26. <i>Journal of Bioscience and Bioengineering</i> , <b>1994</b> , 78, 235-240		19
207	Light-induced oxidation of iron atoms in a photosensitive nitrile hydratase. <i>FEBS Letters</i> , <b>1992</b> , 301, 177-80	3.8	19
206	Detecting protein-protein interactions based on kinase-mediated growth induction of mammalian cells. <i>Scientific Reports</i> , <b>2014</b> , 4, 6127	4.9	18
205	Recombinant hBMP4 incorporated with non-canonical amino acid for binding to hydroxyapatite. <i>Biotechnology Letters</i> , <b>2011</b> , 33, 1885-90	3	18
204	Engineering cytokine receptors to control cellular functions. <i>Biochemical Engineering Journal</i> , <b>2010</b> , 48, 283-294	4.2	18
203	Exogenous gene expression and growth regulation of hematopoietic cells via a novel human artificial chromosome. <i>Journal of Human Genetics</i> , <b>2006</b> , 51, 147-150	4.3	18
202	Selection of highly productive mammalian cells based on an inducible growth advantage using an antibody/receptor chimera. <i>Journal of Bioscience and Bioengineering</i> , <b>2002</b> , 93, 399-404	3.3	18
201	A cysteine-appended deoxyuridine for the postsynthetic DNA modification using native chemical ligation. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 2235-2238	2	17
200	How does heme axial ligand deletion affect the structure and the function of cytochrome b(562)? <i>Protein Engineering, Design and Selection</i> , <b>2001</b> , 14, 415-9	1.9	17
199	Mössbauer, electron paramagnetic resonance and magnetic susceptibility studies of photosensitive nitrile hydratase from <i>Rhodococcus</i> sp. N71. <i>Hyperfine Interactions</i> , <b>1992</b> , 71, 1271-1274	0.8	17
198	A database system for fermentation processes. <i>Bioprocess and Biosystems Engineering</i> , <b>1987</b> , 2, 111-114		17
197	A new cultivation method of fungi or mycelia. <i>Bioprocess and Biosystems Engineering</i> , <b>1988</b> , 3, 63-68		17
196	Immobilization of a Bacterial Cytochrome P450 Monooxygenase System on a Solid Support. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15002-15006	16.4	16
195	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> , <b>1998</b> , 86, 440-445		16
194	Enhanced fluorescence resonance energy transfer immunoassay with improved sensitivity based on the FabPbased immunoconjugates. <i>Analytical Biochemistry</i> , <b>2007</b> , 360, 266-72	3.1	16
193	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> , <b>2005</b> , 579, 1988-94	3.8	16



192	Selective intracellular vaporisation of antibody-conjugated phase-change nano-droplets in vitro. <i>Scientific Reports</i> , <b>2017</b> , 7, 44077	4.9	15
191	Sterically bulky caging for light-inducible protein activation. <i>Chemical Communications</i> , <b>2013</b> , 49, 3013-5	5.8	15
190	Engineering of mammalian cell membrane proteins. <i>Current Opinion in Chemical Engineering</i> , <b>2012</b> , 1, 411-417	5.4	15
189	Measuring adsorption of a hydrophobic probe with a surface plasmon resonance sensor to monitor conformational changes in immobilized proteins. <i>Biotechnology Progress</i> , <b>2003</b> , 19, 1348-54	2.8	15
188	A novel protein-based heme sensor consisting of green fluorescent protein and apocytochrome b(562). <i>Analytical Biochemistry</i> , <b>2003</b> , 317, 116-9	3.1	15
187	Regioselective reduction of a steroid in a reversed micellar system with enzymatic NADH-regeneration. <i>Biochemical Engineering Journal</i> , <b>2003</b> , 16, 35-40	4.2	15
186	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> , <b>2001</b> , 74, 416-23	4.9	15
185	Production of penicillin in a fluidized-bed bioreactor using urethane foams as carriers.. <i>Journal of Chemical Engineering of Japan</i> , <b>1990</b> , 23, 408-413	0.8	15
184	Tyrosine Coupling Creates a Hyperbranched Multivalent Protein Polymer Using Horseradish Peroxidase via Bipolar Conjugation Points. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 1348-59	6.3	15
183	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> , <b>2014</b> , 14, 1670-6	5.5	14
182	Food restriction in pregnant mice can induce changes in histone modifications and suppress gene expression in fetus. <i>Nucleic Acids Symposium Series</i> , <b>2007</b> , 125-6		14
181	Improved growth response of antibody/receptor chimera attained by the engineering of transmembrane domain. <i>Protein Engineering, Design and Selection</i> , <b>2004</b> , 17, 715-9	1.9	14
180	Recombinant extracellular matrix-like proteins with repetitive elastin or collagen-like functional motifs. <i>Biotechnology Letters</i> , <b>2005</b> , 27, 665-70	3	14
179	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> , <b>2017</b> , 17, 1933-1938	7.2	13
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