

# Hiroshi Ueda

## 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.

206 papers	3,402 citations	31 h-index	45 g-index
221 ext. papers	3,786 ext. citations	4.4 avg, IF	5.26 L-index

#	Paper	IF	Citations
206	Creation of a quick and sensitive fluorescent immunosensor for detecting the mineralocorticoid steroid hormone aldosterone.. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2022</b> , 221, 106118	5.1	1
205	Evaluation and selection of potent fluorescent immunosensors by combining fluorescent peptide and nanobodies displayed on yeast surface. <i>Scientific Reports</i> , <b>2021</b> , 11, 22590	4.9	1
204	Quench-Release-Based Fluorescent Immunosensor for the Rapid Detection of Tumor Necrosis Factor $\square$ <i>ACS Omega</i> , <b>2021</b> , 6, 31009-31016	3.9	0
203	Improving the Stability of Protein-Protein Interaction Assay FlimPIA Using a Thermostabilized Firefly Luciferase. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 778120	5.8	
202	An Open Sandwich Immunochromatography for Non-competitive Detection of Small Antigens. <i>Analytical Sciences</i> , <b>2021</b> , 37, 455-459	1.7	2
201	Simple Fluorogenic Cellular Assay for Histone Deacetylase Inhibitors Based on Split-Yellow Fluorescent Protein and Intrabodies. <i>ACS Omega</i> , <b>2021</b> , 6, 10039-10046	3.9	1
200	Numerical Modeling for Sensitive and Rapid Molecular Detection by Membrane-Based Immunosensors. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7210-7219	7.8	1
199	BRET Q-Body: A Ratiometric Quench-based Bioluminescent Immunosensor Made of Luciferase-Dye-Antibody Fusion with Enhanced Response. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7571-7578	7.8	4
198	Development of red genetically encoded biosensor for visualization of intracellular glucose dynamics. <i>Cell Chemical Biology</i> , <b>2021</b> ,	8.2	2
197	Biosensors: Homogeneous Detection <b>2021</b> ,		0
196	Development of a Single Fluorescent Protein-Based Green Glucose Indicator by Semirational Molecular Design and Molecular Evolution. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2274, 89-100	1.4	
195	Rapid construction of fluorescence quenching-based immunosensor Q-bodies using $\square$ helical coiled-coil peptides. <i>Chemical Communications</i> , <b>2021</b> , 57, 8206-8209	5.8	3
194	Recent Advances in Quenchbody, a Fluorescent Immunosensor. <i>Sensors</i> , <b>2021</b> , 21,	3.8	11
193	An enhanced open sandwich immunoassay by molecular evolution for noncompetitive detection of Alternaria mycotoxin tenuazonic acid. <i>Food Chemistry</i> , <b>2021</b> , 361, 130103	8.5	6
192	Preparation of an antigen-responsive fluorogenic immunosensor by tyrosine chemical modification of the antibody complementarity determining region. <i>Chemical Communications</i> , <b>2021</b> , 57, 9760-9763	5.8	3
191	Creation of a Nanobody-Based Fluorescent Immunosensor Mini Q-body for Rapid Signal-On Detection of Small Hapten Methotrexate. <i>ACS Sensors</i> , <b>2020</b> , 5, 3457-3464	9.2	9
190	Site-Selective Protein Chemical Modification of Exposed Tyrosine Residues Using Tyrosine Click Reaction. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 1417-1424	6.3	27

189	Polymorphic Region-Specific Antibody for Evaluation of Affinity-Associated Profile of Chimeric Antigen Receptor. <i>Molecular Therapy - Oncolytics</i> , <b>2020</b> , 17, 293-305	6.4	1
188	PM Q-probe: A fluorescent binding protein that converts many antibodies to a fluorescent biosensor. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 165, 112425	11.8	7
187	Detection and destruction of HER2-positive cancer cells by Ultra Quenchbody-siRNA complex. <i>Biotechnology and Bioengineering</i> , <b>2020</b> , 117, 1259-1269	4.9	10
186	Graphene Field Effect Transistor-Based Immunosensor for Ultrasensitive Noncompetitive Detection of Small Antigens. <i>ACS Sensors</i> , <b>2020</b> , 5, 24-28	9.2	24
185	Green fluorescent protein-based lactate and pyruvate indicators suitable for biochemical assays and live cell imaging. <i>Scientific Reports</i> , <b>2020</b> , 10, 19562	4.9	5
184	Development of an Open sandwich ELISA for the detection of microcystin-LR. <i>Microchemical Journal</i> , <b>2020</b> , 158, 105325	4.8	8
183	Non-Steady State Analysis of Enzyme Kinetics in Real Time Elucidates Substrate Association and Dissociation Rates: Demonstration with Analysis of Firefly Luciferase Mutants. <i>Biochemistry</i> , <b>2019</b> , 58, 2695-2702	3.2	
182	Creation of stable and strictly regulated enzyme switch for signal-on immunodetection of various small antigens. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 128, 677-682	3.3	3
181	Green Fluorescent Protein-Based Glucose Indicators Report Glucose Dynamics in Living Cells. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 4821-4830	7.8	27
180	A novel murine antibody and an open sandwich immunoassay for the detection of clenbuterol. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 182, 109473	7	13
179	Intrabody-based FRET probe to visualize endogenous histone acetylation. <i>Scientific Reports</i> , <b>2019</b> , 9, 10188	4.9	5
178	Protein-Protein Interaction Assays Using Split-NanoLuc <b>2019</b> ,		2
177	Transmembrane signaling on a protocell: Creation of receptor-enzyme chimeras for immunodetection of specific antibodies and antigens. <i>Scientific Reports</i> , <b>2019</b> , 9, 18189	4.9	5
176	Development of a fluvoxamine detection system using a Quenchbody, a novel fluorescent biosensor. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 601-609	3.5	4
175	Construction of Quenchbodies to detect and image amyloid $\beta$ oligomers. <i>Analytical Biochemistry</i> , <b>2018</b> , 550, 61-67	3.1	11
174	Homogeneous Noncompetitive Luminescent Immunodetection of Small Molecules by Ternary Protein Fragment Complementation. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 3001-3004	7.8	24
173	Noncompetitive homogeneous immunodetection of small molecules based on beta-glucuronidase complementation. <i>Analyst, The</i> , <b>2018</b> , 143, 2096-2101	5	6
172	Rapid detection of the neonicotinoid insecticide imidacloprid using a quenchbody assay. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 4219-4226	4.4	28

171	Single-Step Detection of the Influenza Virus Hemagglutinin Using Bacterially-Produced Quenchbodies. <i>Sensors</i> , <b>2018</b> , 19,	3.8	14
170	Improved sensitivity of firefly luminescent intermediate-based protein interaction assay using Ser 440 mutant with lower adenylation activity. <i>Luminescence</i> , <b>2018</b> , 33, 125-130	2.5	1
169	Evaluation of protein-ligand interactions using the luminescent interaction assay FlimPIA with streptavidin-biotin linkage. <i>Analytical Biochemistry</i> , <b>2018</b> , 563, 61-66	3.1	3
168	Electrostatic engineering of the interface between heavy and light chains promotes antibody Fab fragment production. <i>Cytotechnology</i> , <b>2017</b> , 69, 469-475	2.2	4
167	An open sandwich immunoassay for detection of 13(R,S)-hydroxy-9(E),11(E)-octadecadienoic acid. <i>Analyst, The</i> , <b>2017</b> , 142, 787-793	5	14
166	ELISA-type assays of trace biomarkers using microfluidic methods. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2017</b> , 9, e1457	9.2	18
165	Ultrasensitive Firefly Luminescent Intermediate-Based Protein-Protein Interaction Assay (FlimPIA) Based on the Functional Complementation of Mutant Firefly Luciferases. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1596, 119-130	1.4	1
164	Flashbody: A Next Generation Fluobody with Fluorescence Intensity Enhanced by Antigen Binding. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 6719-6725	7.8	30
163	Creation of Antigen-Dependent Lactamase Fusion Protein Tethered by Circularly Permuted Antibody Variable Domains. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1596, 149-165	1.4	
162	Development of a Quenchbody for the Detection and Imaging of the Cancer-Related Tight-Junction-Associated Membrane Protein Claudin. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10783-10789	7.8	13
161	Construction of dye-stapled Quenchbodies by photochemical crosslinking to antibody nucleotide-binding sites. <i>Chemical Communications</i> , <b>2017</b> , 53, 10200-10203	5.8	11
160	Array-Based Rational Design of Short Peptide Probe-Derived from an Anti-TNT Monoclonal Antibody. <i>ACS Combinatorial Science</i> , <b>2017</b> , 19, 625-632	3.9	25
159	Development of a fluorescent protein-antibody FRET resonance energy transfer probe for the detection and imaging of osteocalcin. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 123, 272-276	3.3	7
158	Ultra sensitive firefly luciferase-based protein-protein interaction assay (FlimPIA) attained by hinge region engineering and optimized reaction conditions. <i>Biotechnology Journal</i> , <b>2016</b> , 11, 91-9	5.6	13
157	Creation of a Ligand-Dependent Enzyme by Fusing Circularly Permuted Antibody Variable Region Domains. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 868-73	6.3	4
156	Q-Bodies from Recombinant Single-Chain Fv Fragment with Better Yield and Expanded Palette of Fluorophores. <i>ACS Sensors</i> , <b>2016</b> , 1, 88-94	9.2	17
155	Mathematical Model of the Firefly Luciferase Complementation Assay Reveals a Non-Linear Relationship between the Detected Luminescence and the Affinity of the Protein Pair Being Analyzed. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148256	3.7	4
154	Preparation of Quenchbodies by protein transamination reaction. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 122, 125-30	3.3	10

153	One-pot construction of Quenchbodies using antibody-binding proteins. <i>Analytical Methods</i> , <b>2016</b> , 8, 7774-7779	3.2	8
152	Insight into the Working Mechanism of Quenchbody: Transition of the Dye around Antibody Variable Region That Fluoresces upon Antigen Binding. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 2248-2253	6.3	20
151	N-butylamine functionalized graphene oxide for detection of iron(III) by photoluminescence quenching. <i>Luminescence</i> , <b>2016</b> , 31, 229-35	2.5	9
150	A Protein-Protein Interaction Assay FlimPIA Based on the Functional Complementation of Mutant Firefly Luciferases. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1461, 131-42	1.4	2
149	Label free Detection of Vitamin B12 Based on Fluorescence Quenching of Graphene Oxide Nanolayer. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2015</b> , 23, 878-884	1.8	14
148	Optimal fusion of antibody binding domains resulted in higher affinity and wider specificity. <i>Journal of Bioscience and Bioengineering</i> , <b>2015</b> , 120, 504-9	3.3	13
147	Magnetically palladium catalyst stabilized by diaminoglyoxime-functionalized magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles as active and reusable catalyst for Suzuki coupling reactions. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 396, 216-223		104
146	A signal-on fluorosensor based on quench-release principle for sensitive detection of antibiotic rapamycin. <i>Biosensors</i> , <b>2015</b> , 5, 131-40	5.9	5
145	Open flower fluoroimmunoassay: a general method to make fluorescent protein-based immunosensor probes. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3513-9	7.8	14
144	Optimization of a Fusion Protein Expression System using Human Cell Lines to Create a Practical Immunoassay Reagent. <i>Kagaku Kogaku Ronbunshu</i> , <b>2015</b> , 41, 38-42	0.4	2
143	Simultaneous retention of thermostability and specific activity in chimeric human alkaline phosphatases. <i>Molecular Biotechnology</i> , <b>2014</b> , 56, 953-61	3	5
142	Improved protein-protein interaction assay FlimPIA by the entrapment of luciferase conformation. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 2013-8	7.8	11
141	From fluorescence polarization to Quenchbody: Recent progress in fluorescent reagentless biosensors based on antibody and other binding proteins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2014</b> , 1844, 1951-1959	4	32
140	Ultra Q-bodies: quench-based antibody probes that utilize dye-dye interactions with enhanced antigen-dependent fluorescence. <i>Scientific Reports</i> , <b>2014</b> , 4, 4640	4.9	53
139	Strategy for making a superior Quenchbody to proteins: effect of the fluorophore position. <i>Sensors</i> , <b>2014</b> , 14, 13285-97	3.8	14
138	Expression of an antibody-enzyme complex by the L-chain fusion method. <i>Journal of Bioscience and Bioengineering</i> , <b>2013</b> , 116, 17-21	3.3	4
137	Demonstration of protein-fragment complementation assay using purified firefly luciferase fragments. <i>BMC Biotechnology</i> , <b>2013</b> , 13, 31	3.5	31
136	A protein-protein interaction assay based on the functional complementation of mutant firefly luciferases. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 7935-40	7.8	9

135	Open-sandwich immunoassay for sensitive and broad-range detection of a shellfish toxin gonyautoxin. <i>Analytica Chimica Acta</i> , <b>2013</b> , 793, 107-13	6.6	22
134	Detection of vimentin serine phosphorylation by multicolor Quenchbodies. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 40, 17-23	11.8	28
133	Death signalobody: inducing conditional cell death in response to a specific antigen. <i>Human Gene Therapy Methods</i> , <b>2013</b> , 24, 141-50	4.9	9
132	Protein-based open sandwich immuno-PCR for sensitive detection of small biomarkers. <i>Analytical Sciences</i> , <b>2013</b> , 29, 871-6	1.7	5
131	Isolation of recombinant phage antibodies targeting the hemagglutinin cleavage site of highly pathogenic avian influenza virus. <i>PLoS ONE</i> , <b>2013</b> , 8, e61158	3.7	11
130	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
129	Detection of small molecule diagnostic markers with phage-based open-sandwich immuno-PCR. <i>Journal of Immunological Methods</i> , <b>2012</b> , 377, 1-7	2.5	19
128	Open-sandwich molecular imprinting: making a recognition matrix with antigen-imprinted antibody fragments. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 1463-9	6.3	20
127	Activation of target signal transducers utilizing chimeric receptors with signaling-molecule binding motifs. <i>Biotechnology and Bioengineering</i> , <b>2012</b> , 109, 1528-37	4.9	13
126	Improved detection sensitivity and selectivity attained by open-sandwich selection of an anti-estradiol antibody. <i>Analytical Sciences</i> , <b>2012</b> , 28, 861-7	1.7	10
125	"Quenchbodies": quench-based antibody probes that show antigen-dependent fluorescence. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 17386-94	16.4	98
124	Growth promotion of genetically modified hematopoietic progenitors using an antibody/c-Mpl chimera. <i>Cytokine</i> , <b>2011</b> , 55, 402-8	4	19
123	Direct construction of an open-sandwich enzyme immunoassay for one-step noncompetitive detection of thyroid hormone T4. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1008-14	7.8	30
122	Activation of circularly permuted $\beta$ -lactamase tethered to antibody domains by specific small molecules. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 633-41	6.3	4
121	Antibody affinity maturation in vitro using unconjugated peptide antigen. <i>Protein Engineering, Design and Selection</i> , <b>2010</b> , 23, 185-93	1.9	18
120	Micro open-sandwich ELISA to rapidly evaluate thyroid hormone concentration from serum samples. <i>Bioanalysis</i> , <b>2010</b> , 2, 1683-7	2.1	4
119	Micro OS-ELISA: Rapid noncompetitive detection of a small biomarker peptide by open-sandwich enzyme-linked immunosorbent assay (OS-ELISA) integrated into microfluidic device. <i>Lab on A Chip</i> , <b>2010</b> , 10, 92-100	7.2	34
118	Improved secretion of molecular chaperone-assisted human IgG in silkworm, and no alterations in their N-linked glycan structures. <i>Biotechnology Progress</i> , <b>2010</b> , 26, 232-8	2.8	12

117	Production of scFv-displaying BmNPV in silkworm larvae and its efficient purification. <i>Biotechnology and Applied Biochemistry</i> , <b>2010</b> , 57, 63-9	2.8	5
116	Expression of antibody variable region-human alkaline phosphatase fusion proteins in mammalian cells. <i>Journal of Immunological Methods</i> , <b>2010</b> , 361, 57-63	2.5	7
115	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> , <b>2010</b> , 109, 15-9	3.3	5
114	Engineering cytokine receptors to control cellular functions. <i>Biochemical Engineering Journal</i> , <b>2010</b> , 48, 283-294	4.2	18
113	Growth Control of Mammalian Cells via a Human Artificial Chromosome Harboring a Chimeric Receptor <b>2010</b> , 253-258		
112	The Characteristic of Chimeric Receptors Based on Erythropoietin Receptor <b>2010</b> , 265-270		
111	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
110	Human single-chain antibody expression in the hemolymph and fat body of silkworm larvae and pupae using BmNPV bacmids. <i>Journal of Bioscience and Bioengineering</i> , <b>2009</b> , 107, 67-72	3.3	11
109	Fluorescein-responsive migration of mammalian cells equipped with an antibody/receptor chimera. <i>Journal of Bioscience and Bioengineering</i> , <b>2009</b> , 108, S33	3.3	
108	Development of a new phage display system for the screening of antibody fragments suitable for open-sandwich immunoassay. <i>Journal of Bioscience and Bioengineering</i> , <b>2009</b> , 108, S102	3.3	
107	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
106	Comparison of the efficiencies of different affinity tags in the purification of a recombinant secretory protein expressed in silkworm larval hemolymph. <i>Biotechnology and Bioprocess Engineering</i> , <b>2009</b> , 14, 281-287	3.1	5
105	Human IgG1 expression in silkworm larval hemolymph using BmNPV bacmids and its N-linked glycan structure. <i>Journal of Biotechnology</i> , <b>2009</b> , 139, 108-14	3.7	26
104	Antibody Fab display system that can perform open-sandwich ELISA. <i>Analytical Biochemistry</i> , <b>2009</b> , 386, 36-44	3.1	30
103	Open-sandwich enzyme immunoassay for one-step noncompetitive detection of corticosteroid 11-deoxycortisol. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 8298-304	7.8	34
102	Open sandwich-based immuno-transistor for label-free and noncompetitive detection of low molecular weight antigen. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 7532-7	7.8	55
101	T cell growth control using hapten-specific antibody/interleukin-2 receptor chimera. <i>Cytokine</i> , <b>2009</b> , 46, 127-36	4	28
100	Trans-splicing as a novel method to rapidly produce antibody fusion proteins. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 384, 316-21	3.4	4



99	Cyclic RGD peptide-labeled upconversion nanophosphors for tumor cell-targeted imaging. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 381, 54-8	3.4	94
98	Verification of a specific reaction between an airborne antigen and an immobilized antibody at a gas-solid interface. <i>Analytical Sciences</i> , <b>2009</b> , 25, 1101-6	1.7	2
97	Selective expansion of genetically modified T cells using an antibody/interleukin-2 receptor chimera. <i>Journal of Immunological Methods</i> , <b>2008</b> , 337, 16-23	2.5	13
96	A new gibberellin detection system in living cells based on antibody V(H)/V(L) interaction. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 376, 134-8	3.4	5
95	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
94	Antigen-mediated migration of murine pro-B Ba/F3 cells via an antibody/receptor chimera. <i>Journal of Biotechnology</i> , <b>2008</b> , 133, 154-61	3.7	9
93	?????????????????????????????. <i>Kagaku To Seibutsu</i> , <b>2008</b> , 46, 252-258	0	
92	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
91	Dimerization-based homogeneous fluorosensor proteins for the detection of specific dsDNA. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 1266-71	11.8	6
90	Formation of highly toxic soluble amyloid beta oligomers by the molecular chaperone prefoldin. <i>FEBS Journal</i> , <b>2008</b> , 275, 5982-93	5.7	51
89	Selective Expansion of Genetically Modified T Cells Using a Chimeric IL-2 Receptor for Cancer Therapy <b>2008</b> , 11-18		
88	Promoting Non-Hematopoietic Cell Proliferation by Chimeric Receptors <b>2008</b> , 87-93		
87	Construction of a Fluorescein-Responsive Chimeric Receptor with Strict Ligand Dependency and Analysis of the Role of Erythropoietin Receptor Domains in Signal Transduction <b>2008</b> , 187-193		
86	Noncompetitive detection of low molecular weight peptides by open sandwich immunoassay. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 6193-200	7.8	69
85	Enhanced fluorescence resonance energy transfer immunoassay with improved sensitivity based on the FabRbased immunoconjugates. <i>Analytical Biochemistry</i> , <b>2007</b> , 360, 266-72	3.1	16
84	Creation of a Thermostable Firefly Luciferase with pH-insensitive Luminescent Color. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 77, 333-338	3.6	3
83	Mimicry of erythropoietin and interleukin-6 signalling by an antibody/cytokine receptor chimera in murine myeloid 32D cells. <i>Journal of Biochemistry</i> , <b>2007</b> , 141, 563-71	3.1	6
82	Fluorosensor proteins to detect specific DNA sequences in living bacteria. <i>Nucleic Acids Symposium Series</i> , <b>2007</b> , 121-2		



81	Sensitive detection of estrogenic mycotoxin zearalenone by open sandwich immunoassay. <i>Analytical Sciences</i> , <b>2007</b> , 23, 65-70	1.7	43
80	Antigen-mediated growth control of hybridoma cells via a human artificial chromosome. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2007</b> , 1770, 206-12	4	10
79	Novel site-specific immobilization of a functional protein using a preferred substrate sequence for transglutaminase 2. <i>Journal of Biotechnology</i> , <b>2007</b> , 131, 121-7	3.7	20
78	Growth control of hybridoma cells with an artificially induced EpoR-gp130 heterodimer. <i>Cytotechnology</i> , <b>2006</b> , 52, 171-9	2.2	5
77	Detection of protein tyrosine phosphorylation by open sandwich fluoroimmunoassay. <i>Biotechnology Progress</i> , <b>2006</b> , 22, 968-73	2.8	18
76	The role of interface framework residues in determining antibody V(H)/V(L) interaction strength and antigen-binding affinity. <i>FEBS Journal</i> , <b>2006</b> , 273, 2184-94	5.7	26
75	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
74	The role of firefly luciferase C-terminal domain in efficient coupling of adenylation and oxidative steps. <i>FEBS Letters</i> , <b>2005</b> , 579, 4389-94	3.8	21
73	Importance of terminal residues on circularly permuted Escherichia coli alkaline phosphatase with high specific activity. <i>Journal of Bioscience and Bioengineering</i> , <b>2005</b> , 100, 197-202	3.3	13
72	Kinetics and binding sites for interaction of the prefoldin with a group II chaperonin: contiguous non-native substrate and chaperonin binding sites in the archaeal prefoldin. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 31788-95	5.4	51
71	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
70	Stabilization of antibody VH-domains by proteolytic selection. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2004</b> , 28, 173-179		10
69	AMEGA: antigen-mediated genetically modified cell amplification. <i>Journal of Immunological Methods</i> , <b>2004</b> , 284, 187-94	2.5	4
68	Reversal of antigen-dependent signaling by two mutations in antibody/receptor chimera: implication of inverse agonism in cytokine receptor superfamily. <i>Biochemical Pharmacology</i> , <b>2004</b> , 68, 539-48	6	4
67	Homogeneous sandwich immunoassay based on the enzymatic complementation induced by single-chain Fv fragments. <i>Analytical Biochemistry</i> , <b>2004</b> , 327, 241-6	3.1	4
66	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
65	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
64	Chaperone-assisted folding of a single-chain antibody in a reconstituted translation system. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 320, 1359-64	3.4	38

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