Kazunori Ikebukuro

List of Publications by Year
in descending order

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251	7,236	57758	88630
papers	citations	44 h-index	70 g-index

255	255	255	6136
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a POCT type insulin sensor employing anti-insulin single chain variable fragment based on faradaic electrochemical impedance spectroscopy under single frequency measurement. Biosensors and Bioelectronics, 2022, 200, 113901.	10.1	13
2	Transient potentiometry based d-serine sensor using engineered d-amino acid oxidase showing quasi-direct electron transfer property. Biosensors and Bioelectronics, 2022, 200, 113927.	10.1	7
3	Light-induced production of isobutanol and 3-methyl-1-butanol by metabolically engineered cyanobacteria. Microbial Cell Factories, 2022, 21, 7.	4.0	10
4	Stabilization of VEGF i-motif structure by CpG methylation. Biochemical and Biophysical Research Communications, 2022, 594, 88-92.	2.1	8
5	Development of a DNA aptamer that binds to the complementarity-determining region of therapeutic monoclonal antibody and affinity improvement induced by pH-change for sensitive detection. Biosensors and Bioelectronics, 2022, 203, 114027.	10.1	13
6	An Amine-Reactive Phenazine Ethosulfate (arPES)â€"A Novel Redox Probe for Electrochemical Aptamer-Based Sensor. Sensors, 2022, 22, 1760.	3.8	7
7	In Vitro Continuous 3 Months Operation of Direct Electron Transfer Type Open Circuit Potential Based Glucose Sensor: Heralding the Next CGM Sensor. Journal of Diabetes Science and Technology, 2022, 16, 1107-1113.	2.2	3
8	Development of a Lateral Flow Assay for Bevacizumab Using an Anti-Idiotype DNA Aptamer as a Capture Molecule. Chromatography, 2022, 43, 73-77.	1.7	3
9	CpG Methylation Altered the Stability and Structure of the i-Motifs Located in the CpG Islands. International Journal of Molecular Sciences, 2022, 23, 6467.	4.1	2
10	Effects of G-Quadruplex Ligands on the Topology, Stability, and Immunostimulatory Properties of G-Quadruplex-Based CpG Oligodeoxynucleotides. ACS Chemical Biology, 2022, 17, 1703-1713.	3.4	3
11	A Green Light-Regulated T7 RNA Polymerase Gene Expression System for Cyanobacteria. Marine Biotechnology, 2021, 23, 31-38.	2.4	10
12	Rapid and homogeneous electrochemical detection by fabricating a high affinity bispecific antibody-enzyme complex using two Catcher/Tag systems. Biosensors and Bioelectronics, 2021, 175, 112885.	10.1	12
13	Strategic design and improvement of the internal electron transfer of heme b domain-fused glucose dehydrogenase for use in direct electron transfer-type glucose sensors. Biosensors and Bioelectronics, 2021, 176, 112911.	10.1	18
14	Rational design of direct electron transfer type l-lactate dehydrogenase for the development of multiplexed biosensor. Biosensors and Bioelectronics, 2021, 176, 112933.	10.1	40
15	G-quadruplex: Flexible conformational changes by cations, pH, crowding and its applications to biosensing. Biosensors and Bioelectronics, 2021, 178, 113030.	10.1	66
16	A self-powered glucose sensor based on BioCapacitor principle with micro-sized enzyme anode employing direct electron transfer type FADGDH. JPhys Energy, 2021, 3, 034009.	5.3	5
17	Development of glycated peptide enzyme sensor based flow injection analysis system for haemoglobin A1c monitoring using quasi-direct electron transfer type engineered fructosyl peptide oxidase. Biosensors and Bioelectronics, 2021, 177, 112984.	10.1	12
18	G-quadruplex-forming aptamer enhances the peroxidase activity of myoglobin against luminol. Nucleic Acids Research, 2021, 49, 6069-6081.	14.5	8

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19	Data on G-quadruplex topology, and binding ability of G-quadruplex forming sequences found in the promoter region of biomarker proteins and those relations to the presence of nuclear localization signal in the proteins. Data in Brief, 2021, 36, 107028.	1.0	0
20	Artificial complementary chromatic acclimation gene expression system in Escherichia coli. Microbial Cell Factories, 2021, 20, 128.	4.0	7
21	Continuous electrochemical monitoring of L-glutamine using redox-probe-modified L-glutamine-binding protein based on intermittent pulse amperometry. Sensors and Actuators B: Chemical, 2021, 346, 130554.	7.8	7
22	Rapid, convenient, and highly sensitive detection of human hemoglobin in serum using a high-affinity bivalent antibodyâ€“enzyme complex. Talanta, 2021, 234, 122638.	5.5	10
23	Enhancement of the Immunostimulatory Effect of Phosphodiester CpG Oligodeoxynucleotides by an Antiparallel Guanine-Quadruplex Structural Scaffold. Biomolecules, 2021, 11, 1617.	4.0	3
24	Cytotoxic AÎ² Protofilaments Are Generated in the Process of AÎ² Fibril Disaggregation. International Journal of Molecular Sciences, 2021, 22, 12780.	4.1	2
25	Identification of G-quadruplex sequences in severe acute respiratory syndrome coronavirus 2. Translational and Regulatory Sciences, 2021, 3, 89-92.	0.2	1
26	Detection of CpG Methylation in G-Quadruplex Forming Sequences Using G-Quadruplex Ligands. International Journal of Molecular Sciences, 2021, 22, 13159.	4.1	1
27	Ethanol Detection at the Parts per Billion Level with Singleâ€Strandedâ€DNAâ€Modified Graphene Fieldâ€Effect Transistors. Physica Status Solidi (B): Basic Research, 2020, 257, 1900376.	1.5	13
28	Rational engineering of Aerococcus viridans l-lactate oxidase for the mediator modification to achieve quasi-direct electron transfer type lactate sensor. Biosensors and Bioelectronics, 2020, 151, 111974.	10.1	43
29	Application of a Glucose Dehydrogenase-Fused with Zinc Finger Protein to Label DNA Aptamers for the Electrochemical Detection of VEGF. Sensors, 2020, 20, 3878.	3.8	11
30	Monomeric G-Quadruplex-Based CpG Oligodeoxynucleotides as Potent Toll-Like Receptor 9 Agonists. Biomacromolecules, 2020, 21, 3644-3657.	5.4	14
31	Employment of 1-Methoxy-5-Ethyl Phenazinium Ethyl Sulfate as a Stable Electron Mediator in Flavin Oxidoreductases-Based Sensors. Sensors, 2020, 20, 2825.	3.8	5
32	Engineering of Riboregulators for Gene Regulation as a Tool for Synthetic Biology. , 2020, , 173-186.		1
33	The Continuous 3 Month Operation of Open Circuit Potential Based Glucose Sensor Employing Direct Electron Transfer Type Fad Dependent Glucose Dehydrogenase. ECS Meeting Abstracts, 2020, MA2020-02, 2779-2779.	0.0	0
34	Designer fungus FAD glucose dehydrogenase capable of direct electron transfer. Biosensors and Bioelectronics, 2019, 123, 114-123.	10.1	39
35	High-Throughput Bioanalysis of Bevacizumab in Human Plasma Based on Enzyme-Linked Aptamer Assay Using Anti-Idiotype DNA Aptamer. Analytical Chemistry, 2019, 91, 3125-3130.	6.5	25
36	Generation of C5-desoxy analogs of tetrahydroisoquinoline alkaloids exhibiting potent DNA alkylating ability. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1807-1811.	2.2	7

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37	G-Quadruplex Structure Improves the Immunostimulatory Effects of CpG Oligonucleotides. Nucleic Acid Therapeutics, 2019, 29, 224-229.	3.6	19
38	Anti-Idiotype DNA Aptamer Affinity Purificationâ€“High-Temperature Reversed-Phase Liquid Chromatography: A Simple, Accurate, and Selective Bioanalysis of Bevacizumab. Molecules, 2019, 24, 857.	3.8	14
39	Model studies for isolation of G-quadruplex-forming DNA sequences through a pull-down strategy with macrocyclic polyoxazole. Bioorganic and Medicinal Chemistry, 2019, 27, 1742-1746.	3.0	4
40	Influence of DNA Sequences on Gas Responses Using DNA-modified Graphene Devices. , 2019, , .		0
41	Aptameric sensors utilizing its property as DNA. , 2019, , 117-131.		0
42	Development of a third-generation glucose sensor based on the open circuit potential for continuous glucose monitoring. Biosensors and Bioelectronics, 2019, 124-125, 216-223.	10.1	68
43	Identification of G-quadruplex clusters by high-throughput sequencing of whole-genome amplified products with a G-quadruplex ligand. Scientific Reports, 2018, 8, 3116.	3.3	28
44	Improving the induction fold of riboregulators for cyanobacteria. RNA Biology, 2018, 15, 353-358.	3.1	11
45	Selection and Characterization of DNA Aptamers Against FokI Nuclease Domain. Methods in Molecular Biology, 2018, 1867, 165-174.	0.9	0
46	Esterification of PQQ Enhances Blood-Brain Barrier Permeability and Inhibitory Activity against Amyloidogenic Protein Fibril Formation. ACS Chemical Neuroscience, 2018, 9, 2898-2903.	3.5	10
47	Riboregulator elements as tools to engineer gene expression in cyanobacteria. Applied Microbiology and Biotechnology, 2018, 102, 7717-7723.	3.6	7
48	CpG Methylation Changes G-Quadruplex Structures Derived from Gene Promoters and Interaction with VEGF and SP1. Molecules, 2018, 23, 944.	3.8	29
49	Synthesis of a hemin-containing copolymer as a novel immunostimulator that induces IFN-gamma production. International Journal of Nanomedicine, 2018, Volume 13, 4461-4472.	6.7	2
50	Pipette tip biosensors for bacterial double-stranded DNA using bioluminescence induced by zinc finger luciferase. Mikrochimica Acta, 2017, 184, 1595-1601.	5.0	15
51	DNA aptamers against FokI nuclease domain for genome editing applications. Biosensors and Bioelectronics, 2017, 93, 26-31.	10.1	6
52	Development of HGFâ€binding aptamers with the combination of G4 promoterâ€derived aptamer selection and in silico maturation. Biotechnology and Bioengineering, 2017, 114, 2196-2203.	3.3	5
53	Applying a riboregulator as a new chromosomal gene regulation tool for higher glycogen production in Synechocystis sp. PCC 6803. Applied Microbiology and Biotechnology, 2017, 101, 8465-8474.	3.6	17
54	Development of aptamers against unpurified proteins. Biotechnology and Bioengineering, 2017, 114, 2706-2716.	3.3	6

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55	Identification of G-quadruplex structures that possess transcriptional regulating functions in the Dele and Cdc6 CpG islands. BMC Molecular Biology, 2017, 18, 17.	3.0	11
56	Development of an electrochemical detection system for measuring DNA methylation levels using methyl CpG-binding protein and glucose dehydrogenase-fused zinc finger protein. Biosensors and Bioelectronics, 2017, 93, 118-123.	10.1	21
57	Methods for Improving Aptamer Binding Affinity. Molecules, 2016, 21, 421.	3.8	181
58	Detection of DNA Methylation of G-Quadruplex and i-Motif-Forming Sequences by Measuring the Initial Elongation Efficiency of Polymerase Chain Reaction. Analytical Chemistry, 2016, 88, 7101-7107.	6.5	30
59	ATP-mediated Release of a DNA-binding Protein from a Silicon Nanoneedle Array. Electrochemistry, 2016, 84, 305-307.	1.4	6
60	Structural regulation by a G-quadruplex ligand increases binding abilities of G-quadruplex-forming aptamers. Chemical Communications, 2016, 52, 12646-12649.	4.1	19
61	Scaffoldâ€fused riboregulators for enhanced gene activation in Synechocystis sp. <scp>PCC</scp> 6803. MicrobiologyOpen, 2015, 4, 533-540.	3.0	24
62	Identification of RNA Oligonucleotides Binding to Several Proteins from Potential G-Quadruplex Forming Regions in Transcribed Pre-mRNA. Molecules, 2015, 20, 20832-20840.	3.8	7
63	Inhibition of an Allergenâ€“Antibody Reaction Related to Japanese Cedar Pollinosis Using DNA Aptamers Against the Cry j 2 Allergen. Nucleic Acid Therapeutics, 2015, 25, 311-316.	3.6	0
64	Enzyme linking to DNA aptamers via a zinc finger as a bridge. Chemical Communications, 2015, 51, 11467-11469.	4.1	6
65	Development of an automated direct blotting electrophoresis system for bioanalytical applications. Analytical Methods, 2015, 7, 4881-4884.	2.7	3
66	Improvement of the VEGF binding ability of DNA aptamers through in silico maturation and multimerization strategy. Journal of Biotechnology, 2015, 212, 99-105.	3.8	20
67	DNA aptamers against the Cry j 2 allergen of Japanese cedar pollen for biosensing applications. Biosensors and Bioelectronics, 2015, 63, 159-165.	10.1	11
68	2ï¼Žã‚¢ãƒ—ã‚¿ãƒžãƒ¼ã‚’ç”¨ã„ãŸæ©Ÿèƒ½æ€§é›»æ¥µ. Electrochemistry, 2015, 83, 1085-1090.	1.4	1
69	Emerging techniques employed in aptamer-based diagnostic tests. Expert Review of Molecular Diagnostics, 2014, 14, 143-151.	3.1	16
70	Vascular Endothelial Growth Factor (VEGF) Detection Using an Aptamer and PNA-Based Bound/Free Separation System. Materials, 2014, 7, 1046-1054.	2.9	16
71	Engineering of a greenâ€light inducible gene expression system in <scp>S</scp>ynechocystis sp. <scp>PCC</scp>6803. Microbial Biotechnology, 2014, 7, 177-183.	4.2	66
72	Simultaneous improvement of specificity and affinity of aptamers against Streptococcus mutans by in silico maturation for biosensor development. Biotechnology and Bioengineering, 2014, 111, 454-461.	3.3	22

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73	Design of riboregulators for control of cyanobacterial (Synechocystis) protein expression. Biotechnology Letters, 2014, 36, 287-294.	2.2	38
74	The development of an autonomous self-powered bio-sensing actuator. Sensors and Actuators B: Chemical, 2014, 196, 429-433.	7.8	23
75	In silico Maturation: Processing Sequences to Improve Biopolymer Functions Based on Genetic Algorithms. , 2014, , 271-288.		4
76	Electrochemical detection of pathogenic bacteria by using a glucose dehydrogenase fused zinc finger protein. Analytical Methods, 2014, 6, 4991-4994.	2.7	10
77	A green-light inducible lytic system for cyanobacterial cells. Biotechnology for Biofuels, 2014, 7, 56.	6.2	59
78	Improving the Gene-Regulation Ability of Small RNAs by Scaffold Engineering in Escherichia coli. ACS Synthetic Biology, 2014, 3, 152-162.	3.8	41
79	Selection of DNA aptamers against uropathogenic Escherichia coli NSM59 by quantitative PCR controlled Cell-SELEX. Journal of Microbiological Methods, 2014, 104, 94-100.	1.6	26
80	Automatic polymerase chain reaction product detection system for food safety monitoring using zinc finger protein fused to luciferase. Analytica Chimica Acta, 2013, 801, 78-83.	5.4	11
81	Partial Peptide of Î±-Synuclein Modified with Small-Molecule Inhibitors Specifically Inhibits Amyloid Fibrillation of Î±-Synuclein. International Journal of Molecular Sciences, 2013, 14, 2590-2600.	4.1	18
82	Electrochemical Biosensors Using Aptamers for Theranostics. Advances in Biochemical Engineering/Biotechnology, 2013, 140, 183-202.	1.1	11
83	Affinity Improvement of a VEGF Aptamer by in Silico Maturation for a Sensitive VEGF-Detection System. Analytical Chemistry, 2013, 85, 1132-1137.	6.5	92
84	Rapid Cytotoxicity Screening Platform for Amyloid Inhibitors Using a Membrane-Potential Sensitive Fluorescent Probe. Analytical Chemistry, 2013, 85, 185-192.	6.5	15
85	In silico maturation of bindingâ€specificity of DNA aptamers against Proteus mirabilis. Biotechnology and Bioengineering, 2013, 110, 2573-2580.	3.3	42
86	Detection of Histone Modification by Chromatin Immunoprecipitation Combined Zinc Finger Luciferase-Based Bioluminescence Resonance Energy Transfer Assay. Analytical Chemistry, 2013, 85, 6485-6490.	6.5	11
87	Aptamer Selection Based on G4-Forming Promoter Region. PLoS ONE, 2013, 8, e65497.	2.5	29
88	Screening of Peptide Ligands for Pyrroloquinoline Quinone Glucose Dehydrogenase Using Antagonistic Template-Based Biopanning. International Journal of Molecular Sciences, 2013, 14, 23244-23256.	4.1	2
89	An Optical Biosensing System Based on Interference-Enhanced Reflection with Aptameric Enzyme Subunits of Thrombin. Analytical Letters, 2013, 46, 242-249.	1.8	3
90	Two-Dimensional Electrophoresis-Based Selection of Aptamers Against an Unidentified Protein in a Tissue Sample. Analytical Letters, 2013, 46, 2954-2963.	1.8	7

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91	Fluorescentâ€Ligandâ€Mediated Screening of Gâ€Quadruplex Structures Using a DNA Microarray. Angewandte Chemie - International Edition, 2013, 52, 12052-12055.	13.8	45
92	Fluorescentâ€Ligandâ€Mediated Screening of Gâ€Quadruplex Structures Using a DNA Microarray. Angewandte Chemie, 2013, 125, 12274-12277.	2.0	2
93	Electrochemical Detection of Vascular Endothelial Growth Factor with Aptamer Sandwich. Electrochemistry, 2012, 80, 363-366.	1.4	27
94	Electrochemical SNP Detection Using Glucose Dehydrogenase. Electrochemistry, 2012, 80, 345-347.	1.4	2
95	Electrochemical Detection of Vascular Endothelial Growth Factor by an Aptamer-Based Bound/Free Separation System. Electrochemistry, 2012, 80, 348-352.	1.4	14
96	BioLC-Oscillator: A Self-Powered Wireless Glucose-Sensing System with the Glucose Dependent Resonance Frequency. Electrochemistry, 2012, 80, 367-370.	1.4	18
97	Selection of DNA Aptamers That Recognize Î±-Synuclein Oligomers Using a Competitive Screening Method. Analytical Chemistry, 2012, 84, 5542-5547.	6.5	167
98	Development of a Method To Measure DNA Methylation Levels by Using Methyl CpG-Binding Protein and Luciferase-Fused Zinc Finger Protein. Analytical Chemistry, 2012, 84, 8259-8264.	6.5	43
99	Detection of Pathogenic Bacteria by Using Zinc Finger Protein Fused with Firefly Luciferase. Analytical Chemistry, 2012, 84, 8028-8032.	6.5	24
100	Aptameric sensors based on structural change for diagnosis. Faraday Discussions, 2011, 149, 93-106.	3.2	9
101	Analysis of the unbinding force between telomestatin derivatives and human telomeric G-quadruplex by atomic force microscopy. Chemical Communications, 2011, 47, 7485.	4.1	11
102	Control of Aptamer Function Using Radiofrequency Magnetic Field. Journal of Nucleic Acids, 2011, 2011, 1-6.	1.2	4
103	Development of a novel biosensing system based on the structural change of a polymerized guanine-quadruplex DNA nanostructure. Biosensors and Bioelectronics, 2011, 26, 4837-4841.	10.1	15
104	Nonâ€label homogeneous protein detection based on laser interferometric photoâ€thermal displacement measurement using aptamers. Biotechnology Journal, 2011, 6, 101-106.	3.5	3
105	BioRadioTransmitter: A Self-Powered Wireless Glucose-Sensing System. Journal of Diabetes Science and Technology, 2011, 5, 1030-1035.	2.2	52
106	Screening of DNA aptamer which binds to Î±-synuclein. Biotechnology Letters, 2010, 32, 643-648.	2.2	42
107	Constructing an improved pyrroloquinoline quinone glucose dehydrogenase binding aptamer for enzyme labeling. Biotechnology Letters, 2010, 32, 1293-1298.	2.2	2
108	Selection of DNA aptamer against prostate specific antigen using a genetic algorithm and application to sensing. Biosensors and Bioelectronics, 2010, 26, 1386-1391.	10.1	147

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109	Screening and Improvement of an Anti-VEGF DNA Aptamer. Molecules, 2010, 15, 215-225.	3.8	116
110	Pyrroloquinoline quinone inhibits the fibrillation of amyloid proteins. Prion, 2010, 4, 26-31.	1.8	29
111	Visualization of G-quadruplexes by using a BODIPY-labeled macrocyclic heptaoxazole. Organic and Biomolecular Chemistry, 2010, 8, 2749.	2.8	61
112	An Aptamerâ€Based Bound/Free Separation System for Protein Detection. Electroanalysis, 2009, 21, 1297-1302.	2.9	24
113	DNA Aptamers that Bind to PQQGDH as an Electrochemical Labeling Tool. Electroanalysis, 2009, 21, 1303-1308.	2.9	13
114	BioCapacitorâ€"A novel category of biosensor. Biosensors and Bioelectronics, 2009, 24, 1837-1842.	10.1	71
115	Zn finger-based direct detection system for PCR products of Salmonella spp. and the Influenza A virus. Biotechnology Letters, 2009, 31, 725-733.	2.2	13
116	Selection of DNA aptamers against insulin and construction of an aptameric enzyme subunit for insulin sensing. Biosensors and Bioelectronics, 2009, 24, 1116-1120.	10.1	116
117	Detection system based on the conformational change in an aptamer and its application to simple bound/free separation. Biosensors and Bioelectronics, 2009, 24, 1372-1376.	10.1	35
118	Kinetic Mechanism and Inhibitor Characterization of WNK1 Kinase. Biochemistry, 2009, 48, 10255-10266.	2.5	20
119	The effect of amino acid substitution in the imperfect repeat sequences of Î±-synuclein on fibrillation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 998-1003.	3.8	23
120	3P-100 Analysis of binding of telomestatin derivative to G-quadruplex DNA by using AFM(Nucleic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Seibutsu Butsuri, 2009, 49, S168.	0.1	0
121	The Inhibition of Amyloid Fibrillation Using the Proteolytic Products of PQQ-Modified Î±-Synuclein. Open Biotechnology Journal, 2009, 3, 40-45.	1.2	6
122	Aptameric enzyme subunit for homogeneous DNA sensing. Biotechnology Letters, 2008, 30, 243-252.	2.2	18
123	Label-free homogeneous detection of immunoglobulin E by an aptameric enzyme subunit. Biotechnology Letters, 2008, 30, 421-425.	2.2	22
124	Selection of DNA aptamers against VEGF165 using a protein competitor and the aptamer blotting method. Biotechnology Letters, 2008, 30, 829-834.	2.2	74
125	The simple and rapid detection of specific PCR products from bacterial genomes using Zn finger proteins. Nucleic Acids Research, 2008, 36, e68-e68.	14.5	21
126	Zinc finger protein-based detection system of PCR products for pathogen diagnosis. Nucleic Acids Symposium Series, 2008, 52, 23-24.	0.3	5

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127	Aggregation and Fibrillation Study of .ALPHA.-synuclein Under Applied Voltage. Electrochemistry, 2008, 76, 614-618.	1.4	3
128	Improvement of Aptamer Affinity by Dimerization. Sensors, 2008, 8, 1090-1098.	3.8	136
129	Selection and characterization of DNA aptamers against VEGF165 with aptamer blotting method and its application. Nucleic Acids Symposium Series, 2007, 51, 399-400.	0.3	11
130	Selection of DNA aptamers that inhibit enzymatic activity of PQQGDH and its application. Nucleic Acids Symposium Series, 2007, 51, 403-404.	0.3	2
131	Screening of DNA Aptamer Against Mouse Prion Protein by Competitive Selection. Prion, 2007, 1, 248-254.	1.8	39
132	Construction of target molecule sensing system using aptameric enzyme subunit based on PQQGDH activity. Nucleic Acids Symposium Series, 2007, 51, 401-402.	0.3	0
133	Specific detection of PCR product from Legionella pneumophila strainPhiladelphia1 using zinc finger protein Sp2. Nucleic Acids Symposium Series, 2007, 51, 285-286.	0.3	0
134	Stopped-flow system with ozonizer for the estimation of low biochemical oxygen demand in environmental samples. Biosensors and Bioelectronics, 2007, 22, 3092-3098.	10.1	13
135	In silico panning for a non-competitive peptide inhibitor. BMC Bioinformatics, 2007, 8, 11.	2.6	30
136	Peptide ligand screening of Î±-synuclein aggregation modulators by in silico panning. BMC Bioinformatics, 2007, 8, 451.	2.6	38
137	Aptameric Enzyme Subunit for Biosensing Based on Enzymatic Activity Measurement. Analytical Chemistry, 2006, 78, 3296-3303.	6.5	72
138	Aptamer selection based on inhibitory activity using an evolution-mimicking algorithm. Biochemical and Biophysical Research Communications, 2006, 347, 226-231.	2.1	30
139	Homogeneous DNA sensing using enzyme-inhibiting DNA aptamers. Biochemical and Biophysical Research Communications, 2006, 348, 245-252.	2.1	39
140	Pyrroloquinoline quinone (PQQ) prevents fibril formation of Î±-synuclein. Biochemical and Biophysical Research Communications, 2006, 349, 1139-1144.	2.1	64
141	A screening method for DNA aptamers that bind toâ£aâ£specific, unidentified protein in tissue samples. Biotechnology Letters, 2006, 28, 1377-1381.	2.2	24
142	Analysis of the evolution of the thrombin-inhibiting DNA aptamers using a genetic algorithm. Biotechnology Letters, 2006, 28, 1933-1937.	2.2	17
143	Characterization and application of aptamers for Taq DNA polymerase selected using an evolution-mimicking algorithm. Biotechnology Letters, 2006, 28, 1939-1944.	2.2	21
144	Analysis of DNA and Zinc finger interactions using mechanical force spectroscopy. Nanobiotechnology, 2006, 2, 87-93.	1.2	2

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145	Development of a novel glucose enzyme fuel cell system employing protein engineered PQQ glucose dehydrogenase. Biosensors and Bioelectronics, 2005, 20, 2145-2150.	10.1	109
146	Development of photocatalytic biosensor for the evaluation of biochemical oxygen demand. Biosensors and Bioelectronics, 2005, 21, 67-73.	10.1	48
147	Novel electrochemical sensor system for protein using the aptamers in sandwich manner. Biosensors and Bioelectronics, 2005, 20, 2168-2172.	10.1	259
148	A novel method of screening thrombin-inhibiting DNA aptamers using an evolution-mimicking algorithm. Nucleic Acids Research, 2005, 33, e108-e108.	14.5	87
149	Electrochemical Detection of Protein Using a Double Aptamer Sandwich. Analytical Letters, 2004, 37, 2901-2909.	1.8	115
150	Single nucleotide polymorphism typing on DNA array with hydrophobic surface fabricated by plasma-polymerization technique. Biosensors and Bioelectronics, 2004, 20, 184-189.	10.1	23
151	Development of an enzymatic flow-injection chemiluminescence system for determining inorganic pyrophosphate ion. Analytica Chimica Acta, 2004, 518, 45-49.	5.4	18
152	Molecular engineering of PQQGDH and its applications. Archives of Biochemistry and Biophysics, 2004, 428, 52-63.	3.0	41
153	é…µç´é›»æ¥µåå¿œã,'ç"¨ã•ã¥DNAãƒ¢ã,ãƒ–ãƒªãƒ€ã,¼ãƒ¼ã,·ãƒ§ãƒ³ã®é«˜æ„Ÿåº¦æœå‡º. Electrochemistry, 2004, 72, 594-597.		
154	Improved substrate specificity of water-soluble pyrroloquinoline quinone glucose dehydrogenase by a peptide ligand. Biotechnology Letters, 2003, 25, 301-305.	2.2	8
155	PCR-Based Ribosomal DNA Detection Technique for Microalga (Heterosigma carterae) Causing Red Tide and Its Application to a Biosensor Using Labeled Probe. Marine Biotechnology, 2003, 5, 417-423.	2.4	11
156	A surface plasmon resonance probe with a novel integrated reference sensor surface. Biosensors and Bioelectronics, 2003, 18, 1447-1453.	10.1	37
157	Preparation of a whole genome phage library using fragmented Escherichia coli genome and its characterization of protein binding properties by surface plasmon resonance. Biosensors and Bioelectronics, 2003, 18, 1201-1207.	10.1	7
158	Exploration of structural features of monomeric helical peptides designed with a genetic algorithm. Proteins: Structure, Function and Bioinformatics, 2003, 53, 193-200.	2.6	9
159	Electrochemical Protein Chip with Arrayed Immunosensors with Antibodies Immobilized in a Plasma-Polymerized Film. Analytical Chemistry, 2003, 75, 1116-1122.	6.5	162
160	Improvement of a CL-FIA System Using Maltose Phosphorylase for the Determination of Phosphate-Ion in Freshwater. Analytical Letters, 2003, 36, 1805-1817.	1.8	20
161	Novel strategy for DNA aptamers inhibiting enzymatic activity using algorithm mimicking evolution. Nucleic Acids Symposium Series, 2003, 3, 205-206.	0.3	2
162	Screening of DNA aptamers inhibiting Taq DNA polymerase using algorithm mimicking evolution. Nucleic Acids Symposium Series, 2003, 3, 309-310.	0.3	1

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163	Amperometric Glucose Sensor Using Thermostable Co-Factor Binding Glucose Dehydrogenase. IEEJ Transactions on Sensors and Micromachines, 2003, 123, 185-189.	0.1	8
164	A Bioassay to Detect Contaminant-Induced Messenger RNA Using a Transcriptomic Approach: Detection of RT-PCR-Amplified Single-Stranded DNA Based on the SPR Sensor in Cyanobacteria. Analytical Letters, 2003, 36, 1475-1491.	1.8	3
165	Development of a Reactor Type Bio-sensor for Trichloroethylene. Analytical Letters, 2003, 36, 539-547.	1.8	8
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