Koji Sode

List of Publications by Year in Descending Order

353 papers	7,634 citations	43 h-index	67 g-index
377 ext. papers	8,481 ext. citations	5.1 avg, IF	6 L-index

#	Paper	IF	Citations
353	Light-induced production of isobutanol and 3-methyl-1-butanol by metabolically engineered cyanobacteria.. *Microbial Cell Factories*, **2022**, 21, 7	6.4	3
352	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	11.8	1
351	In Vitro Evaluation of Miniaturized Amperometric Enzyme Sensor Based on the Direct Electron Transfer Principle for Continuous Glucose Monitoring.. *Journal of Diabetes Science and Technology*, **2022**, 19322968211070614	4.1	0
350	Transient potentiometry based d-serine sensor using engineered d-amino acid oxidase showing quasi-direct electron transfer property.. *Biosensors and Bioelectronics*, **2022**, 200, 113927	11.8	1
349	Current and future prospective of biosensing molecules for point-of-care sensors for diabetes biomarker. *Sensors and Actuators B: Chemical*, **2022**, 351, 130914	8.5	0
348	A Glycemia Risk Index (GRI) of Hypoglycemia and Hyperglycemia for Continuous Glucose Monitoring Validated by Clinician Ratings.. *Journal of Diabetes Science and Technology*, **2022**, 19322968221085273	4.1	2
347	Development of an electrochemical impedance spectroscopy based biosensor for detection of ubiquitin C-Terminal hydrolase L1.. *Biosensors and Bioelectronics*, **2022**, 208, 114232	11.8	0
346	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**, 19322968221092449	4.1	0
345	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*, **2021**, 200, 113901	11.8	0
344	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	11.8	9
343	Rational design of direct electron transfer type l-lactate dehydrogenase for the development of multiplexed biosensor. *Biosensors and Bioelectronics*, **2021**, 176, 112933	11.8	14
342	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	4.9	1
341	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	11.8	4
340	Electrochemical quantification of accelerated FADGDH rates in aqueous nanodroplets. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	7
339	Continuous glucose monitoring systems - Current status and future perspectives of the flagship technologies in biosensor research. *Biosensors and Bioelectronics*, **2021**, 181, 113054	11.8	36
338	G-quadruplex-forming aptamer enhances the peroxidase activity of myoglobin against luminol. *Nucleic Acids Research*, **2021**, 49, 6069-6081	20.1	2
337	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	1.2	

336	Artificial complementary chromatic acclimation gene expression system in Escherichia coli. *Microbial Cell Factories*, **2021**, 20, 128	6.4	1
335	A Green Light-Regulated T7 RNA Polymerase Gene Expression System for Cyanobacteria. *Marine Biotechnology*, **2021**, 23, 31-38	3.4	6
334	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	11.8	6
333	Development of an Interdigitated Electrode-Based Disposable Enzyme Sensor Strip for Glycated Albumin Measurement. *Molecules*, **2021**, 26,	4.8	4
332	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	8.5	1
331	Rapid, convenient, and highly sensitive detection of human hemoglobin in serum using a high-affinity bivalent antibody-enzyme complex. *Talanta*, **2021**, 234, 122638	6.2	3
330	Clinical Study of a High Accuracy Green Design Blood Glucose Monitor Using an Innovative Optical Transmission Absorbance System. *Journal of Diabetes Science and Technology*, **2021**, 19322968211060865	4.1	1
329	Employment of 1-Methoxy-5-Ethyl Phenazinium Ethyl Sulfate as a Stable Electron Mediator in Flavin Oxidoreductases-Based Sensors. *Sensors*, **2020**, 20,	3.8	1
328	Alteration of Electron Acceptor Preferences in the Oxidative Half-Reaction of Flavin-Dependent Oxidases and Dehydrogenases. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
327	Engineered Glucose Oxidase Capable of Quasi-Direct Electron Transfer after a Quick-and-Easy Modification with a Mediator. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	24
326	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	
325	Construction of Super-Stabilized Direct Electron Transfer Type Glucose Dehydrogenase for Long Term Continuous Glucose Sensing System. *ECS Meeting Abstracts*, **2020**, MA2020-02, 2831-2831	0	
324	Rational engineering of Aerococcus viridansl-lactate oxidase for the mediator modification to achieve quasi-direct electron transfer type lactate sensor. *Biosensors and Bioelectronics*, **2020**, 151, 111974	11.8	17
323	FAD dependent glucose dehydrogenases - Discovery and engineering of representative glucose sensing enzymes. *Bioelectrochemistry*, **2020**, 132, 107414	5.6	40
322	Application of a Glucose Dehydrogenase-Fused with Zinc Finger Protein to Label DNA Aptamers for the Electrochemical Detection of VEGF. *Sensors*, **2020**, 20,	3.8	6
321	Creation of a novel DET type FAD glucose dehydrogenase harboring Escherichia coli derived cytochrome b as an electron transfer domain. *Biochemical and Biophysical Research Communications*, **2020**, 530, 82-86	3.4	9
320	Marine Cyanobacteria **2020**, 2127-2146		1
319	G-Quadruplex Structure Improves the Immunostimulatory Effects of CpG Oligonucleotides. *Nucleic Acid Therapeutics*, **2019**, 29, 224-229	4.8	6

318	Designer fungus FAD glucose dehydrogenase capable of direct electron transfer. *Biosensors and Bioelectronics*, **2019**, 123, 114-123	11.8	27
317	Application of an engineered chromatic acclimation sensor for red-light-regulated gene expression in cyanobacteria. *Algal Research*, **2019**, 44, 101691	5	7
316	X-ray structure of the direct electron transfer-type FAD glucose dehydrogenase catalytic subunit complexed with a hitchhiker protein. *Acta Crystallographica Section D: Structural Biology*, **2019**, 75, 841-851	5.5	13
315	Third generation impedimetric sensor employing direct electron transfer type glucose dehydrogenase. *Biosensors and Bioelectronics*, **2019**, 129, 189-197	11.8	20
314	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	11.8	45
313	Affinity sensor for haemoglobin A1c based on single-walled carbon nanotube field-effect transistor and fructosyl amino acid binding protein. *Biosensors and Bioelectronics*, **2019**, 129, 254-259	11.8	18
312	Elucidation of the intra- and inter-molecular electron transfer pathways of glucoside 3-dehydrogenase. *Bioelectrochemistry*, **2018**, 122, 115-122	5.6	5
311	A Disposable Tear Glucose Biosensor-Part 5: Improvements in Reagents and Tear Sampling Component. *Journal of Diabetes Science and Technology*, **2018**, 12, 842-846	4.1	1
310	Development of a glucose sensor employing quick and easy modification method with mediator for altering electron acceptor preference. *Bioelectrochemistry*, **2018**, 121, 185-190	5.6	28
309	The electrochemical behavior of a FAD dependent glucose dehydrogenase with direct electron transfer subunit by immobilization on self-assembled monolayers. *Bioelectrochemistry*, **2018**, 121, 1-6	5.6	31
308	Minimizing the effects of oxygen interference on l-lactate sensors by a single amino acid mutation in Aerococcus viridansl-lactate oxidase. *Biosensors and Bioelectronics*, **2018**, 103, 163-170	11.8	16
307	Glycogen Production in Marine Cyanobacterial Strain Synechococcus sp. NKBG 15041c. *Marine Biotechnology*, **2018**, 20, 109-117	3.4	13
306	Improving the induction fold of riboregulators for cyanobacteria. *RNA Biology*, **2018**, 15, 353-358	4.8	9
305	Esterification of PQQ Enhances Blood-Brain Barrier Permeability and Inhibitory Activity against Amyloidogenic Protein Fibril Formation. *ACS Chemical Neuroscience*, **2018**, 9, 2898-2903	5.7	5
304	Mutagenesis Study of the Cytochrome c Subunit Responsible for the Direct Electron Transfer-Type Catalytic Activity of FAD-Dependent Glucose Dehydrogenase. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	10
303	Comprehensive study of domain rearrangements of single-chain bispecific antibodies to determine the best combination of configurations and microbial host cells. *MAbs*, **2018**, 10, 854-863	6.6	8
302	Engineered fungus derived FAD-dependent glucose dehydrogenase with acquired ability to utilize hexaammineruthenium(III) as an electron acceptor. *Bioelectrochemistry*, **2018**, 123, 62-69	5.6	7
301	Direct electron transfer (DET) mechanism of FAD dependent dehydrogenase complexes ~from the elucidation of intra- and inter-molecular electron transfer pathway to the construction of engineered DET enzyme complexes~. *Current Opinion in Electrochemistry*, **2018**, 12, 92-100	7.2	17

300	Synthesis of a hemin-containing copolymer as a novel immunostimulator that induces IFN-gamma production. *International Journal of Nanomedicine*, **2018**, 13, 4461-4472	7.3	0
299	Convenient and Universal Fabrication Method for Antibody-Enzyme Complexes as Sensing Elements Using the SpyCatcher/SpyTag System. *Analytical Chemistry*, **2018**, 90, 14500-14506	7.8	10
298	Development toward a novel integrated tear lactate sensor using Schirmer test strip and engineered lactate oxidase. *Sensors and Actuators B: Chemical*, **2018**, 270, 525-529	8.5	10
297	Construction and characterization of flavin adenine dinucleotide glucose dehydrogenase complex harboring a truncated electron transfer subunit. *Electrochimica Acta*, **2018**, 277, 276-286	6.7	13
296	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	5.7	13
295	X-ray structures of fructosyl peptide oxidases revealing residues responsible for gating oxygen access in the oxidative half reaction. *Scientific Reports*, **2017**, 7, 2790	4.9	11
294	Minimally Invasive Microneedle Array Electrodes Employing Direct Electron Transfer Type Glucose Dehydrogenase for the Development of Continuous Glucose Monitoring Sensors. *Procedia Technology*, **2017**, 27, 208-209		9
293	Development of a screen-printed carbon electrode based disposable enzyme sensor strip for the measurement of glycated albumin. *Biosensors and Bioelectronics*, **2017**, 88, 167-173	11.8	20
292	Novel fungal FAD glucose dehydrogenase derived from Aspergillus niger for glucose enzyme sensor strips. *Biosensors and Bioelectronics*, **2017**, 87, 305-311	11.8	34
291	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	11.8	16
290	Continuous operation of an ultra-low-power microcontroller using glucose as the sole energy source. *Biosensors and Bioelectronics*, **2017**, 93, 335-339	11.8	16
289	Mediator Preference of Two Different FAD-Dependent Glucose Dehydrogenases Employed in Disposable Enzyme Glucose Sensors. *Sensors*, **2017**, 17,	3.8	20
288	Characterization of Electron Mediator Preference of Aerococcus viridans-Derived Lactate Oxidase for Use in Disposable Enzyme Sensor Strips. *Sensors and Materials*, **2017**, 1703	1.5	3
287	BioCapacitor: A novel principle for biosensors. *Biosensors and Bioelectronics*, **2016**, 76, 20-8	11.8	65
286	Construction of a Miniaturized Chromatic Acclimation Sensor from Cyanobacteria with Reversed Response to a Light Signal. *Scientific Reports*, **2016**, 6, 37595	4.9	18
285	Electrochemical sensing system employing fructosamine 6-kinase enables glycated albumin measurement requiring no proteolytic digestion. *Biotechnology Journal*, **2016**, 11, 797-804	5.6	12
284	Development of a light-regulated cell-recovery system for non-photosynthetic bacteria. *Microbial Cell Factories*, **2016**, 15, 31	6.4	10
283	An Fe-S cluster in the conserved Cys-rich region in the catalytic subunit of FAD-dependent dehydrogenase complexes. *Bioelectrochemistry*, **2016**, 112, 178-83	5.6	25

282	Structural regulation by a G-quadruplex ligand increases binding abilities of G-quadruplex-forming aptamers. *Chemical Communications*, **2016**, 52, 12646-12649	5.8	15
281	Enzyme linking to DNA aptamers via a zinc finger as a bridge. *Chemical Communications*, **2015**, 51, 11467-98	5.8	6
280	Improvement of the VEGF binding ability of DNA aptamers through in silico maturation and multimerization strategy. *Journal of Biotechnology*, **2015**, 212, 99-105	3.7	18
279	Effects of eliminating pyruvate node pathways and of coexpression of heterogeneous carboxylation enzymes on succinate production by Enterobacter aerogenes. *Applied and Environmental Microbiology*, **2015**, 81, 929-37	4.8	9
278	Scaffold-fused riboregulators for enhanced gene activation in Synechocystis sp. PCC 6803. *MicrobiologyOpen*, **2015**, 4, 533-40	3.4	24
277	Structural analysis of fungus-derived FAD glucose dehydrogenase. *Scientific Reports*, **2015**, 5, 13498	4.9	68
276	Efficient surface-display of autotransporter proteins in cyanobacteria. *Algal Research*, **2015**, 12, 337-340	5	12
275	Impact of an energy-conserving strategy on succinate production under weak acidic and anaerobic conditions in Enterobacter aerogenes. *Microbial Cell Factories*, **2015**, 14, 80	6.4	6
274	Stabilization of fungi-derived recombinant FAD-dependent glucose dehydrogenase by introducing a disulfide bond. *Biotechnology Letters*, **2015**, 37, 1091-9	3	24
273	The development and characterization of an exogenous green-light-regulated gene expression system in marine cyanobacteria. *Marine Biotechnology*, **2015**, 17, 245-51	3.4	15
272	Advancing the development of glycated protein biosensing technology: next-generation sensing molecules. *Journal of Diabetes Science and Technology*, **2015**, 9, 183-91	4.1	8
271	The development of an autonomous self-powered bio-sensing actuator. *Sensors and Actuators B: Chemical*, **2014**, 196, 429-433	8.5	20
270	Engineering glucose oxidase to minimize the influence of oxygen on sensor response. *Electrochimica Acta*, **2014**, 126, 158-161	6.7	24
269	Study of the role of anaerobic metabolism in succinate production by Enterobacter aerogenes. *Applied Microbiology and Biotechnology*, **2014**, 98, 7803-13	5.7	10
268	Electrochemical detection of pathogenic bacteria by using a glucose dehydrogenase fused zinc finger protein. *Analytical Methods*, **2014**, 6, 4991-4994	3.2	8
267	A green-light inducible lytic system for cyanobacterial cells. *Biotechnology for Biofuels*, **2014**, 7, 56	7.8	52
266	Improving the gene-regulation ability of small RNAs by scaffold engineering in Escherichia coli. *ACS Synthetic Biology*, **2014**, 3, 152-62	5.7	31
265	Engineering of a green-light inducible gene expression system in Synechocystis sp. PCC6803. *Microbial Biotechnology*, **2014**, 7, 177-83	6.3	54

264	Simultaneous improvement of specificity and affinity of aptamers against Streptococcus mutans by in silico maturation for biosensor development. *Biotechnology and Bioengineering*, **2014**, 111, 454-61	4.9	18
263	Design of riboregulators for control of cyanobacterial (Synechocystis) protein expression. *Biotechnology Letters*, **2014**, 36, 287-94	3	34
262	Cloning and characterization of fructosamine-6-kinase from Arthrobacter aurescens. *Applied Biochemistry and Biotechnology*, **2013**, 170, 710-7	3.2	3
261	Engineering fructosyl peptide oxidase to improve activity toward the fructosyl hexapeptide standard for HbA1c measurement. *Molecular Biotechnology*, **2013**, 54, 939-43	3	15
260	Partial peptide of □synuclein modified with small-molecule inhibitors specifically inhibits amyloid fibrillation of □synuclein. *International Journal of Molecular Sciences*, **2013**, 14, 2590-600	6.3	13
259	Identification and functional analysis of fructosyl amino acid-binding protein from Gram-positive bacterium Arthrobacter sp. *Journal of Applied Microbiology*, **2013**, 114, 1449-56	4.7	4
258	Rapid cytotoxicity screening platform for amyloid inhibitors using a membrane-potential sensitive fluorescent probe. *Analytical Chemistry*, **2013**, 85, 185-92	7.8	11
257	Substrate specificity engineering of Escherichia coli derived fructosamine 6-kinase. *Biotechnology Letters*, **2013**, 35, 253-8	3	5
256	Mutational analysis of the oxygen-binding site of cholesterol oxidase and its impact on dye-mediated dehydrogenase activity. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 88, 41-46		11
255	Direct electron transfer type disposable sensor strip for glucose sensing employing an engineered FAD glucose dehydrogenase. *Enzyme and Microbial Technology*, **2013**, 52, 123-8	3.8	41
254	Blood Glucose Dependence on Emotional Behaviors and Body Surface Temperatures in Common Marmoset□ Socio-Psychological Learning with Peers - for □evelopment of Human-Environment Interface by Sensing and Multivariate Analysis of Bio-Ecosystem□. *ECS Transactions*, **2013**, 50, 9-14	1	5
253	Screening of peptide ligands for pyrroloquinoline quinone glucose dehydrogenase using antagonistic template-based biopanning. *International Journal of Molecular Sciences*, **2013**, 14, 23244-56	6.3	2
252	Construction of engineered fructosyl peptidyl oxidase for enzyme sensor applications under normal atmospheric conditions. *Biotechnology Letters*, **2012**, 34, 491-7	3	25
251	Selection of DNA aptamers that recognize □synuclein oligomers using a competitive screening method. *Analytical Chemistry*, **2012**, 84, 5542-7	7.8	111
250	Detection of pathogenic bacteria by using zinc finger protein fused with firefly luciferase. *Analytical Chemistry*, **2012**, 84, 8028-32	7.8	22
249	Construction of mutant glucose oxidases with increased dye-mediated dehydrogenase activity. *International Journal of Molecular Sciences*, **2012**, 13, 14149-57	6.3	28
248	Structural basis of efficient electron transport between photosynthetic membrane proteins and plastocyanin in spinach revealed using nuclear magnetic resonance. *Plant Cell*, **2012**, 24, 4173-86	11.6	16
247	Nitrous Oxide Sensing using Oxygen-Insensitive Direct-Electron-Transfer-Type Nitrous Oxide Reductase. *Electrochemistry*, **2012**, 80, 371-374	1.2	6

246	Biomolecular Engineering of Biosensing Molecules —The Challenges in Creating Sensing Molecules for Glycated Protein Biosensing—. *Electrochemistry*, **2012**, 80, 293-298	1.2	8
245	Electrochemical SNP Detection Using Glucose Dehydrogenase. *Electrochemistry*, **2012**, 80, 345-347	1.2	1
244	BioLC-Oscillator: A Self-Powered Wireless Glucose-Sensing System with the Glucose Dependent Resonance Frequency. *Electrochemistry*, **2012**, 80, 367-370	1.2	17
243	Development of a novel biosensing system based on the structural change of a polymerized guanine-quadruplex DNA nanostructure. *Biosensors and Bioelectronics*, **2011**, 26, 4837-41	11.8	14
242	Screening of Aspergillus-derived FAD-glucose dehydrogenases from fungal genome database. *Biotechnology Letters*, **2011**, 33, 2255-63	3	30
241	Construction of a novel glucose-sensing molecule based on a substrate-binding protein for intracellular sensing. *Biotechnology and Bioengineering*, **2011**, 108, 725-33	4.9	9
240	Aptameric sensors based on structural change for diagnosis. *Faraday Discussions*, **2011**, 149, 93-105; discussion 137-57	3.6	7
239	Review of glucose oxidases and glucose dehydrogenases: a bird© eye view of glucose sensing enzymes. *Journal of Diabetes Science and Technology*, **2011**, 5, 1068-76	4.1	263
238	Glucose Specific GDH-PQQ based Sensor Strip: Application of Engineered GDH-PQQ Harboring a de novo Designed Loop Region. *ECS Transactions*, **2011**, 35, 117-119	1	
237	Tuning Fructosyl Peptidyl Oxidase into Dehydrogenase and Its Application for the Construction of an Enzyme Electrode. *ECS Transactions*, **2011**, 35, 113-116	1	
236	BioRadioTransmitter: a self-powered wireless glucose-sensing system. *Journal of Diabetes Science and Technology*, **2011**, 5, 1030-5	4.1	46
235	Screening and improvement of an anti-VEGF DNA aptamer. *Molecules*, **2010**, 15, 215-25	4.8	100
234	Pyrroloquinoline quinone inhibits the fibrillation of amyloid proteins. *Prion*, **2010**, 4, 26-31	2.3	26
233	Amino acid substitution at the substrate-binding subsite alters the specificity of the Phanerochaete chrysosporium cellobiose dehydrogenase. *Biochemical and Biophysical Research Communications*, **2010**, 391, 1246-50	3.4	9
232	Wireless monitoring of blood glucose levels in flatfish with a needle biosensor. *Fisheries Science*, **2010**, 76, 687-694	1.9	14
231	Screening of DNA aptamer which binds to alpha-synuclein. *Biotechnology Letters*, **2010**, 32, 643-8	3	34
230	Functional expression of Phanerochaete chrysosporium cellobiose dehydrogenase flavin domain in Escherichia coli. *Biotechnology Letters*, **2010**, 32, 855-9	3	21
229	Engineering of dye-mediated dehydrogenase property of fructosyl amino acid oxidases by site-directed mutagenesis studies of its putative proton relay system. *Biotechnology Letters*, **2010**, 32, 1123-9	3	21

228	Constructing an improved pyrroloquinoline quinone glucose dehydrogenase binding aptamer for enzyme labeling. *Biotechnology Letters*, **2010**, 32, 1293-8	3	1
227	Motif-based search for a novel fructosyl peptide oxidase from genome databases. *Biotechnology and Bioengineering*, **2010**, 106, 358-66	4.9	10
226	Selection of DNA aptamer against prostate specific antigen using a genetic algorithm and application to sensing. *Biosensors and Bioelectronics*, **2010**, 26, 1386-91	11.8	129
225	The inhibitory effect of pyrroloquinoline quinone on the amyloid formation and cytotoxicity of truncated alpha-synuclein. *Molecular Neurodegeneration*, **2010**, 5, 20	19	28
224	Enzyme Fuel Cell for Cellulolytic Sugar Conversion Employing FAD Glucose Dehydrogenase and Carbon Cloth Electrode Based on Direct Electron Transfer Principle~!2010-01-09~!2010-02-04~!2010-05-17~!. *The Open Electrochemistry Journal*, **2010**, 2, 6-10		9
223	Review of fructosyl amino acid oxidase engineering research: a glimpse into the future of hemoglobin A1c biosensing. *Journal of Diabetes Science and Technology*, **2009**, 3, 585-92	4.1	42
222	An Aptamer-Based Bound/Free Separation System for Protein Detection. *Electroanalysis*, **2009**, 21, 1297-1302	3	20
221	DNA Aptamers that Bind to PQQGDH as an Electrochemical Labeling Tool. *Electroanalysis*, **2009**, 21, 1303-1308	3	10
220	BioCapacitor--a novel category of biosensor. *Biosensors and Bioelectronics*, **2009**, 24, 1837-42	11.8	61
219	The construction of a glucose-sensing luciferase. *Biosensors and Bioelectronics*, **2009**, 25, 76-81	11.8	18
218	Zn finger-based direct detection system for PCR products of Salmonella spp. and the Influenza A virus. *Biotechnology Letters*, **2009**, 31, 725-33	3	10
217	Cumulative effect of amino acid substitution for the development of fructosyl valine-specific fructosyl amine oxidase. *Enzyme and Microbial Technology*, **2009**, 44, 52-56	3.8	19
216	Selection of DNA aptamers against insulin and construction of an aptameric enzyme subunit for insulin sensing. *Biosensors and Bioelectronics*, **2009**, 24, 1116-20	11.8	97
215	Detection system based on the conformational change in an aptamer and its application to simple bound/free separation. *Biosensors and Bioelectronics*, **2009**, 24, 1372-6	11.8	31
214	Wireless enzyme sensor system for real-time monitoring of blood glucose levels in fish. *Biosensors and Bioelectronics*, **2009**, 24, 1417-23	11.8	54
213	Kinetic mechanism and inhibitor characterization of WNK1 kinase. *Biochemistry*, **2009**, 48, 10255-66	3.2	19
212	The effect of amino acid substitution in the imperfect repeat sequences of alpha-synuclein on fibrillation. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2009**, 1792, 998-1003	6.9	17
211	The Inhibition of Amyloid Fibrillation Using the Proteolytic Products of PQQ-Modified α-Synuclein. *Open Biotechnology Journal*, **2009**, 3, 40-45	2	5

210	Development of fructosyl amine oxidase specific to fructosyl valine by site-directed mutagenesis. *Protein Engineering, Design and Selection*, **2008**, 21, 233-9	1.9	27
209	The simple and rapid detection of specific PCR products from bacterial genomes using Zn finger proteins. *Nucleic Acids Research*, **2008**, 36, e68	20.1	17
208	Zinc finger protein-based detection system of PCR products for pathogen diagnosis. *Nucleic Acids Symposium Series*, **2008**, 23-4		4
207	Construction and Characterization of Direct Electron Transfer-Type Continuous Glucose Monitoring System Employing Thermostable Glucose Dehydrogenase Complex. *Analytical Letters*, **2008**, 41, 2363-2373	2.2	22
206	Operational Condition of a Molecular Imprinting Catalyst-based Fructosyl-valine Sensor. *Electrochemistry*, **2008**, 76, 590-593	1.2	8
205	Aggregation and Fibrillation Study of .ALPHA.-synuclein Under Applied Voltage. *Electrochemistry*, **2008**, 76, 614-618	1.2	3
204	Improvement of Aptamer Affinity by Dimerization. *Sensors*, **2008**, 8, 1090-1098	3.8	115
203	Propionate sensor using coenzyme-A transferase and acyl-CoA oxidase. *Protein and Peptide Letters*, **2008**, 15, 779-81	1.9	4
202	Development of a compact stacked flatbed reactor with immobilized high-density bacteria for hydrogen production. *International Journal of Hydrogen Energy*, **2008**, 33, 1593-1597	6.7	18
201	Nanostructure Fabrication Based on Engineered □Synuclein. *Nanobiotechnology*, **2008**, 4, 50-55		2
200	Aptameric enzyme subunit for homogeneous DNA sensing. *Biotechnology Letters*, **2008**, 30, 243-52	3	16
199	Label-free homogeneous detection of immunoglobulin E by an aptameric enzyme subunit. *Biotechnology Letters*, **2008**, 30, 421-5	3	21
198	Selection of DNA aptamers against VEGF165 using a protein competitor and the aptamer blotting method. *Biotechnology Letters*, **2008**, 30, 829-34	3	66
197	Engineering of ligand specificity of periplasmic binding protein for glucose sensing. *Biotechnology Letters*, **2008**, 30, 1453-60	3	33
196	Biofuel cell system employing thermostable glucose dehydrogenase. *Biotechnology Letters*, **2008**, 30, 1753-8	3	34
195	Site directed mutagenesis studies of FAD-dependent glucose dehydrogenase catalytic subunit of Burkholderia cepacia. *Biotechnology Letters*, **2008**, 30, 1967-72	3	23
194	Methanogenesis from acetate and propionate by thermophilic down-flow anaerobic packed-bed reactor. *Bioresource Technology*, **2008**, 99, 4786-95	11	59
193	Specific detection of PCR product from Legionella pneumophila strain Philadelphia1 using zinc finger protein Sp2. *Nucleic Acids Symposium Series*, **2007**, 285-6		

192	Branched-chain Amino Acid Biosensing Using Fluorescent Modified Engineered Leucine/Isoleucine/Valine Binding Protein. *International Journal of Molecular Sciences*, **2007**, 8, 513-525	6.3	8
191	Novel fluorescent sensing system for alpha-fructosyl amino acids based on engineered fructosyl amino acid binding protein. *Biosensors and Bioelectronics*, **2007**, 22, 1933-8	11.8	14
190	A novel wireless glucose sensor employing direct electron transfer principle based enzyme fuel cell. *Biosensors and Bioelectronics*, **2007**, 22, 2250-5	11.8	90
189	Uniform molecularly imprinted microspheres and nanoparticles prepared by precipitation polymerization: the control of particle size suitable for different analytical applications. *Analytica Chimica Acta*, **2007**, 584, 112-21	6.6	342
188	Production of hydrogen and methane from organic solid wastes by phase-separation of anaerobic process. *Bioresource Technology*, **2007**, 98, 1861-5	11	91
187	In silico panning for a non-competitive peptide inhibitor. *BMC Bioinformatics*, **2007**, 8, 11	3.6	21
186	Peptide ligand screening of alpha-synuclein aggregation modulators by in silico panning. *BMC Bioinformatics*, **2007**, 8, 451	3.6	31
185	W-motif exchange between beta-propeller proteins. *Protein Journal*, **2007**, 26, 153-8	3.9	2
184	Selection and characterization of DNA aptamers against VEGF165 with aptamer blotting method and its application. *Nucleic Acids Symposium Series*, **2007**, 399-400		10
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