Lo Gorton

List of Publications by Citations

385 papers	18,102 citations	69 h-index	108 g-index
394 ext. papers	19,268 ext. citations	6.1 avg, IF	6.82 L-index

#	Paper	IF	Citations
385	Direct electron transfer between copper-containing proteins and electrodes. *Biosensors and Bioelectronics*, **2005**, 20, 2517-54	11.8	518
384	Peroxidase-modified electrodes: Fundamentals and application. *Analytica Chimica Acta*, **1996**, 330, 123-138	6.6	435
383	Amperometric biosensor for glutamate using prussian blue-based "artificial peroxidase" as a transducer for hydrogen peroxide. *Analytical Chemistry*, **2000**, 72, 1720-3	7.8	364
382	Enzymatic fuel cells: Recent progress. *Electrochimica Acta*, **2012**, 84, 223-234	6.7	361
381	The ins and outs of microorganism–electrode electron transfer reactions. *Nature Reviews Chemistry* , **2017**, 1,	34.6	276
380	Electrocatalytic oxidation of reduced nicotinamide coenzymes by graphite electrodes modified with an adsorbed phenoxazinium salt, meldola blue. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1984**, 161, 103-120		247
379	Beyond graphene: Electrochemical sensors and biosensors for biomarkers detection. *Biosensors and Bioelectronics*, **2017**, 89, 152-166	11.8	242
378	Enzymatic determination of glucose in a flow system by catalytic oxidation of the nicotinamide coenzyme at a modified electrode. *Analytica Chimica Acta*, **1985**, 169, 237-247	6.6	236
377	Electrocatalytic oxidation of NAD(P) H at mediator-modified electrodes. *Reviews in Molecular Biotechnology*, **2002**, 82, 371-92		209
376	On the mechanism of H2O2 reduction at Prussian Blue modified electrodes. *Electrochemistry Communications*, **1999**, 1, 78-82	5.1	208
375	Amperometric biosensors based on an apparent direct electron transfer between electrodes and immobilized peroxidases. Plenary lecture. *Analyst, The*, **1992**, 117, 1235-1241	5	199
374	Direct electron transfer reactions of laccases from different origins on carbon electrodes. *Bioelectrochemistry*, **2005**, 67, 115-24	5.6	194
373	A laccase–glucose oxidase biofuel cell prototype operating in a physiological buffer. *Electrochimica Acta*, **2006**, 51, 5187-5192	6.7	177
372	Cellobiose dehydrogenase: a versatile catalyst for electrochemical applications. *ChemPhysChem*, **2010**, 11, 2674-97	3.2	164
371	Mediatorless biosensor for H(2)O(2) based on recombinant forms of horseradish peroxidase directly adsorbed on polycrystalline gold. *Biosensors and Bioelectronics*, **2001**, 16, 147-57	11.8	150
370	The electrocatalytic activity of Prussian blue in hydrogen peroxide reduction studied using a wall-jet electrode with continuous flow. *Journal of Electroanalytical Chemistry*, **1998**, 456, 97-104	4.1	147
369	Prussian-Blue-based amperometric biosensors in flow-injection analysis. *Talanta*, **1996**, 43, 1597-606	6.2	145

368	Mediatorless sugar/oxygen enzymatic fuel cells based on gold nanoparticle-modified electrodes. *Biosensors and Bioelectronics*, **2012**, 31, 219-25	11.8	143
367	Electron transfer mechanisms between microorganisms and electrodes in bioelectrochemical systems. *Bioanalytical Reviews*, **2012**, 4, 159-192	1	143
366	Targetting redox polymers as mediators for laccase oxygen reduction in a membrane-less biofuel cell. *Electrochemistry Communications*, **2004**, 6, 237-241	5.1	141
365	Geobacter sulfurreducens biofilms developed under different growth conditions on glassy carbon electrodes: insights using cyclic voltammetry. *Chemical Communications*, **2010**, 46, 4758-60	5.8	139
364	Improved stability and altered selectivity of tyrosinase based graphite electrodes for detection of phenolic compounds. *Analytica Chimica Acta*, **1999**, 387, 309-326	6.6	138
363	Characterisation of the substituent distribution in starch and cellulose derivatives. *Analytica Chimica Acta*, **2003**, 497, 27-65	6.6	137
362	Development of a microbial biosensor based on carbon nanotube (CNT) modified electrodes. *Electrochemistry Communications*, **2007**, 9, 1810-1815	5.1	128
361	Direct electron transfer from graphite and functionalized gold electrodes to T1 and T2/T3 copper centers of bilirubin oxidase. *Biochimica Et Biophysica Acta - Bioenergetics*, **2008**, 1777, 1364-9	4.6	126
360	Redox potentials of the blue copper sites of bilirubin oxidases. *Biochimica Et Biophysica Acta - Bioenergetics*, **2006**, 1757, 1634-41	4.6	122
359	Biosensors based on novel peroxidases with improved properties in direct and mediated electron transfer. *Biosensors and Bioelectronics*, **2000**, 15, 491-7	11.8	120
358	Direct Electron Transfer Between Ligninolytic Redox Enzymes and Electrodes. *Electroanalysis*, **2004** , 16, 1074-1092	3	118
357	Effect of different forms of alkali treatment on specific fermentation inhibitors and on the fermentability of lignocellulose hydrolysates for production of fuel ethanol. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 5318-25	5.7	116
356	Direct electron transfer of heme- and molybdopterin cofactor-containing chicken liver sulfite oxidase on alkanethiol-modified gold electrodes. *Analytical Chemistry*, **2003**, 75, 4841-50	7.8	111
355	Direct heterogeneous electron transfer reactions of bilirubin oxidase at a spectrographic graphite electrode. *Electrochemistry Communications*, **2004**, 6, 934-939	5.1	110
354	Bioelectrochemical monitoring of phenols and aromatic amines in flow injection using novel plant peroxidases. *Analytical Chemistry*, **1998**, 70, 2596-600	7.8	110
353	An amperometric glucose electrode based on carbon paste, chemically modified with glucose dehydrogenase, nicotinamide adenine dinucleotide, and a phenoxazine mediator, coated with a poly(ester sulfonic acid) cation exchanger. *Electroanalysis*, **1991**, 3, 77-86	3	110
352	A membrane-, mediator-, cofactor-less glucose/oxygen biofuel cell. *Physical Chemistry Chemical Physics*, **2008**, 10, 6093-6	3.6	109
351	Third-generation biosensor for lactose based on newly discovered cellobiose dehydrogenase. *Analytical Chemistry*, **2006**, 78, 393-8	7.8	109

350	Development of a carbon nanotube paste electrode osmium polymer-mediated biosensor for determination of glucose in alcoholic beverages. *Biosensors and Bioelectronics*, **2007**, 22, 2611-7	11.8	108
349	Determination of the Degree of Branching in Normal and Amylopectin Type Potato Starch with 1H-NMR Spectroscopy Improved resolution and two-dimensional spectroscopy. *Starch/Staerke*, **1996**, 48, 352-357	2.3	108
348	Enzyme based amperometric biosensors. *Current Opinion in Electrochemistry*, **2018**, 10, 157-173	7.2	106
347	Catalytic properties and classification of cellobiose dehydrogenases from ascomycetes. *Applied and Environmental Microbiology*, **2011**, 77, 1804-15	4.8	105
346	Immobilization of peroxidase glycoprotein on gold electrodes modified with mixed epoxy-boronic Acid monolayers. *Journal of the American Chemical Society*, **2002**, 124, 12845-53	16.4	103
345	Cellobiose dehydrogenase modified electrodes: advances by materials science and biochemical engineering. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 3637-58	4.4	100
344	Electrochemical and SERS studies of chemically modified electrodes: Nile Blue A, a mediator for NADH oxidation. *Langmuir*, **1990**, 6, 66-73	4	100
343	Mediated electron transfer in glucose oxidising enzyme electrodes for application to biofuel cells: recent progress and perspectives. *Physical Chemistry Chemical Physics*, **2013**, 15, 4859-69	3.6	99
342	Sensor and biosensor based on Prussian Blue modified gold and platinum screen printed electrodes. *Biosensors and Bioelectronics*, **2003**, 18, 193-200	11.8	98
341	Cellobiose dehydrogenase aryl diazonium modified single walled carbon nanotubes: enhanced direct electron transfer through a positively charged surface. *Analytical Chemistry*, **2011**, 83, 3042-9	7.8	97
340	Anisotropic orientation of horseradish peroxidase by reconstitution on a thiol-modified gold electrode. *Chemistry - A European Journal*, **2000**, 6, 592-9	4.8	97
339	Amperometric detection of mono- and diphenols at Cerrena unicolor laccase-modified graphite electrode: correlation between sensitivity and substrate structure. *Talanta*, **2005**, 66, 1219-24	6.2	94
338	A carbon electrode sputtered with palladium and gold for the amperometric detection of hydrogen peroxide. *Analytica Chimica Acta*, **1985**, 178, 247-253	6.6	93
337	Electrochemical behavior and application of Prussian blue nanoparticle modified graphite electrode. *Sensors and Actuators B: Chemical*, **2010**, 147, 270-276	8.5	89
336	Phenol oxidase-based biosensors as selective detection units in column liquid chromatography for the determination of phenolic compounds. *Journal of Chromatography A*, **1994**, 675, 65-78	4.5	87
335	Direct Electron Transfer at Cellobiose Dehydrogenase Modified Anodes for Biofuel Cells. *Journal of Physical Chemistry C*, **2008**, 112, 9956-9961	3.8	86
334	Characterization of different FAD-dependent glucose dehydrogenases for possible use in glucose-based biosensors and biofuel cells. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 2069-77	4.4	85
333	Nanoporous Gold-Based Biofuel Cells on Contact Lenses. *ACS Applied Materials & Interfaces*, **2018**, 10, 7107-7116	9.5	79

332	Use of laccase-modified electrode for amperometric detection of plant flavonoids. *Enzyme and Microbial Technology*, **2004**, 35, 238-241	3.8	79
331	Electrical "wiring" of viable Gluconobacter oxydans cells with a flexible osmium-redox polyelectrolyte. *Electrochemistry Communications*, **2004**, 6, 621-626	5.1	79
330	Direct Heterogeneous Electron Transfer Reactions of Trametes hirsuta Laccase at Bare and Thiol-Modified Gold Electrodes. *Electroanalysis*, **2006**, 18, 1901-1908	3	78
329	Increasing the coulombic efficiency of glucose biofuel cell anodes by combination of redox enzymes. *Biosensors and Bioelectronics*, **2010**, 25, 1710-6	11.8	76
328	Highly Efficient and Versatile Anodes for Biofuel Cells Based on Cellobiose Dehydrogenase from Myriococcum thermophilum. *Journal of Physical Chemistry C*, **2008**, 112, 13668-13673	3.8	76
327	Electrical wiring of live, metabolically enhanced Bacillus subtilis cells with flexible osmium-redox polymers. *Journal of the American Chemical Society*, **2009**, 131, 16171-6	16.4	75
326	Reagentless mediated laccase electrode for the detection of enzyme modulators. *Analytical Chemistry*, **1997**, 69, 882-6	7.8	75
325	Direct electron transfer between the heme of cellobiose dehydrogenase and thiol modified gold electrodes. *Journal of Electroanalytical Chemistry*, **2000**, 494, 105-113	4.1	75
324	An Overview of the Latest Graphene-Based Sensors for Glucose Detection: the Effects of Graphene Defects. *Electroanalysis*, **2015**, 27, 16-31	3	74
323	Electron-transfer studies with a new flavin adenine dinucleotide dependent glucose dehydrogenase and osmium polymers of different redox potentials. *Analytical Chemistry*, **2012**, 84, 334-41	7.8	72
322	Designing stable redox-active surfaces: chemical attachment of an osmium complex to glassy carbon electrodes prefunctionalized by electrochemical reduction of an in situ-generated aryldiazonium cation. *Langmuir*, **2008**, 24, 6351-8	4	72
321	Redox polymer and probe DNA tethered to gold electrodes for enzyme-amplified amperometric detection of DNA hybridization. *Analytical Chemistry*, **2006**, 78, 2710-6	7.8	71
320	Improved selectivity of microbial biosensor using membrane coating. Application to the analysis of ethanol during fermentation. *Biosensors and Bioelectronics*, **2003**, 18, 1125-34	11.8	71
319	Rate-limiting steps of tyrosinase-modified electrodes for the detection of catechol. *Analytical Chemistry*, **1996**, 68, 1605-11	7.8	70
318	Formation of a robust and stable film comprising ionic liquid and polyoxometalate on glassy carbon electrode modified with multiwalled carbon nanotubes: Toward sensitive and fast detection of hydrogen peroxide and iodate. *Electrochimica Acta*, **2010**, 55, 4750-4757	6.7	69
317	Effect of cysteine mutations on direct electron transfer of horseradish peroxidase on gold. *Biosensors and Bioelectronics*, **2002**, 17, 953-63	11.8	69
316	Characterisation of the substituent distribution in hydroxypropylated potato amylopectin starch. *Carbohydrate Research*, **2000**, 328, 365-73	2.9	68
315	Investigation of Graphite Electrodes Modified with Cellobiose Dehydrogenase from the Ascomycete Myriococcum thermophilum. *Electroanalysis*, **2007**, 19, 172-180	3	67

314	Sensor for Hydrogen Peroxide Based on Prussian Blue Modified Electrode. Improvement of the Operational Stability.. *Analytical Sciences*, **2000**, 16, 795-798	1.7	66
313	Effects of different additives on a tyrosinase based carbon paste electrode. *Analytica Chimica Acta*, **1995**, 305, 8-17	6.6	65
312	Extracellular electron transfer features of Gram-positive bacteria. *Analytica Chimica Acta*, **2019**, 1076, 32-47	6.6	64
311	Photo-electrochemical communication between cyanobacteria (Leptolyngbia sp.) and osmium redox polymer modified electrodes. *Physical Chemistry Chemical Physics*, **2014**, 16, 24676-80	3.6	64
310	Comparison of direct and mediated electron transfer for cellobiose dehydrogenase from Phanerochaete sordida. *Analytical Chemistry*, **2009**, 81, 2791-8	7.8	64
309	Amperometric detection of phenols using peroxidase-modified graphite electrodes. *Analytica Chimica Acta*, **1997**, 347, 51-62	6.6	64
308	A simple and sensitive method for lactose detection based on direct electron transfer between immobilised cellobiose dehydrogenase and screen-printed carbon electrodes. *Electrochimica Acta*, **2010**, 55, 7690-7695	6.7	63
307	Direct electron transfer kinetics in horseradish peroxidase electrocatalysis. *Journal of Physical Chemistry B*, **2007**, 111, 469-77	3.4	63
306	Improvement of Electrochemical Biosensors Using Enzyme Immobilization from Water□Organic Mixtures with a High Content of Organic Solvent. *Analytical Chemistry*, **1996**, 68, 4335-4341	7.8	63
305	Extracellular Electron Transfer by the Gram-Positive Bacterium Enterococcus faecalis. *Biochemistry*, **2018**, 57, 4597-4603	3.2	62
304	Direct electron transfer catalysed by recombinant forms of horseradish peroxidase: insight into the mechanism. *Electrochemistry Communications*, **1999**, 1, 171-175	5.1	62
303	A symmetric supercapacitor/biofuel cell hybrid device based on enzyme-modified nanoporous gold: An autonomous pulse generator. *Biosensors and Bioelectronics*, **2017**, 90, 96-102	11.8	61
302	Effect of pH on direct electron transfer in the system gold electrode-recombinant horseradish peroxidase. *Bioelectrochemistry*, **2002**, 55, 83-7	5.6	61
301	Development of enzyme-based amperometric sensors for the determination of phenolic compounds. *TrAC - Trends in Analytical Chemistry*, **1995**, 14, 319-328	14.6	61
300	Amperometric Biosensors for Detection of Sugars Based on the Electrical Wiring of Different Pyranose Oxidases and Pyranose Dehydrogenases with Osmium Redox Polymer on Graphite Electrodes. *Electroanalysis*, **2007**, 19, 294-302	3	60
299	Direct electron transfer of cellobiose dehydrogenase from various biological origins at gold and graphite electrodes. *Journal of Electroanalytical Chemistry*, **2001**, 496, 76-81	4.1	60
298	Biosensor based on cellobiose dehydrogenase for detection of catecholamines. *Analytical Chemistry*, **2004**, 76, 4690-6	7.8	59
297	Development of a cellobiose dehydrogenase modified electrode for amperometric detection of diphenols. *Analyst, The*, **1999**, 124, 527-532	5	59

296	A third generation glucose biosensor based on cellobiose dehydrogenase from Corynascus thermophilus and single-walled carbon nanotubes. *Analyst, The*, **2011**, 136, 2033-6	5	57
295	Improved stability of redox enzyme layers on glassy carbon electrodes via covalent grafting. *Electrochemistry Communications*, **2008**, 10, 835-838	5.1	57
294	Electrical wiring of pyranose oxidase with osmium redox polymers. *Sensors and Actuators B: Chemical*, **2006**, 113, 684-691	8.5	57
293	Wiring of pyranose dehydrogenase with osmium polymers of different redox potentials. *Bioelectrochemistry*, **2010**, 80, 38-42	5.6	56
292	Interaction of fungal laccases and laccase-mediator systems with lignin. *Enzyme and Microbial Technology*, **2006**, 39, 841-847	3.8	56
291	A glucose sensor based on glucose dehydrogenase adsorbed on a modified carbon electrode. *Analytica Chimica Acta*, **1986**, 179, 371-379	6.6	56
290	Direct Electron Transfer of Dehydrogenases for Development of 3rd Generation Biosensors and Enzymatic Fuel Cells. *Sensors*, **2018**, 18,	3.8	55
289	Direct electron transfer--a favorite electron route for cellobiose dehydrogenase (CDH) from Trametes villosa. Comparison with CDH from Phanerochaete chrysosporium. *Langmuir*, **2006**, 22, 10801-6	4	55
288	Direct heterogeneous electron transfer of recombinant horseradish peroxidases on gold. *Faraday Discussions*, **2000**, 281-9; discussion 335-51	3.6	55
287	Carbon fibres as electrode materials for the construction of peroxidase-modified amperometric biosensors. *Analytica Chimica Acta*, **1993**, 273, 59-70	6.6	55
286	Photocurrent generation from thylakoid membranes on osmium-redox-polymer-modified electrodes. *ChemSusChem*, **2015**, 8, 990-3	8.3	54
285	Electroanalytical Study of Prussian Blue Modified Glassy Carbon Paste Electrodes. *Electroanalysis*, **2003**, 15, 1204-1211	3	54
284	A Glucose/Oxygen Enzymatic Fuel Cell based on Gold Nanoparticles modified Graphene Screen-Printed Electrode. Proof-of-Concept in Human Saliva. *Sensors and Actuators B: Chemical*, **2018**, 256, 921-930	8.5	53
283	Green Synthesis and Characterization of Gold and Silver Nanoparticles and their Application for Development of a Third Generation Lactose Biosensor. *Electroanalysis*, **2017**, 29, 77-86	3	53
282	Self-powered wireless carbohydrate/oxygen sensitive biodevice based on radio signal transmission. *PLoS ONE*, **2014**, 9, e109104	3.7	52
281	Charge transport through Geobacter sulfurreducens biofilms grown on graphite rods. *Langmuir*, **2012**, 28, 7904-13	4	52
280	A comparison of redox polymer and enzyme co-immobilization on carbon electrodes to provide membrane-less glucose/O2 enzymatic fuel cells with improved power output and stability. *Biosensors and Bioelectronics*, **2011**, 30, 294-9	11.8	52
279	Fabrication of a novel electrochemiluminescence glucose biosensor using Au nanoparticles decorated multiwalled carbon nanotubes. *Sensors and Actuators B: Chemical*, **2011**, 155, 577-583	8.5	52

278	Direct electrochemistry of heme multicofactor-containing enzymes on alkanethiol-modified gold electrodes. *Bioelectrochemistry*, **2005**, 66, 55-63	5.6	52
277	Bubble electrodeposition of gold porous nanocorals for the enzymatic and non-enzymatic detection of glucose. *Bioelectrochemistry*, **2016**, 112, 125-31	5.6	52
276	A new osmium-polymer modified screen-printed graphene electrode for fructose detection. *Sensors and Actuators B: Chemical*, **2014**, 195, 287-293	8.5	51
275	Photoelectrochemical Wiring of Paulschulzia pseudovolvox (Algae) to Osmium Polymer Modified Electrodes for Harnessing Solar Energy. *Advanced Energy Materials*, **2015**, 5, 1501100	21.8	51
274	Direct electrochemistry of Phanerochaete chrysosporium cellobiose dehydrogenase covalently attached onto gold nanoparticle modified solid gold electrodes. *Langmuir*, **2012**, 28, 10925-33	4	51
273	Influence of graphite powder, additives and enzyme immobilization procedures on a mediatorless HRP-modified carbon paste electrode for amperometric flow-injection detection of H2O2. *Biosensors and Bioelectronics*, **1995**, 10, 443-461	11.8	51
272	Electrochemical communication between living cells and conductive surfaces. *Current Opinion in Electrochemistry*, **2017**, 5, 193-202	7.2	50
271	Fully Enzymatic Membraneless Glucose|Oxygen Fuel Cell That Provides 0.275 mA cm(-2) in 5 mM Glucose, Operates in Human Physiological Solutions, and Powers Transmission of Sensing Data. *Analytical Chemistry*, **2016**, 88, 2156-63	7.8	50
270	Rapid and direct determination of fructose in food: a new osmium-polymer mediated biosensor. *Food Chemistry*, **2013**, 140, 742-7	8.5	50
269	Poly-phenothiazine derivative-modified glassy carbon electrode for NADH electrocatalytic oxidation. *Electrochimica Acta*, **2009**, 54, 3124-3128	6.7	50
268	Photoelectrocatalytic Oxidation of NADH with Electropolymerized Toluidine Blue O. *Electroanalysis* , **2007**, 19, 286-293	3	50
267	Direct electron transfer in the system gold electrode□ecombinant horseradish peroxidases. *Journal of Electroanalytical Chemistry*, **2001**, 509, 19-26	4.1	50
266	Recent trends in the application of microdialysis in bioprocesses. *Analytica Chimica Acta*, **1999**, 379, 281-305	3.6	50
265	Peroxidase-Modified Carbon Fiber Microelectrodes in Flow-Through Detection of Hydrogen Peroxide and Organic Peroxides. *Analytical Chemistry*, **1994**, 66, 3604-3610	7.8	50
264	Photoelectrochemical Communication between Thylakoid Membranes and Gold Electrodes through Different Quinone Derivatives. *ChemElectroChem*, **2014**, 1, 131-139	4.3	49
263	Simultaneous monitoring of glucose and l-lactic acid during a fermentation process in an aqueous two-phase system by on-line FIA with microdialysis sampling and dual biosensor detection. *Analytica Chimica Acta*, **1998**, 366, 127-135	6.6	49
262	Redox hydrogel based bienzyme electrode for L-glutamate monitoring. *Journal of Pharmaceutical and Biomedical Analysis*, **1999**, 19, 93-105	3.5	49
261	A Third Generation Glucose Biosensor Based on Cellobiose Dehydrogenase Immobilized on a Glassy Carbon Electrode Decorated with Electrodeposited Gold Nanoparticles: Characterization and Application in Human Saliva. *Sensors*, **2017**, 17,	3.8	48

260	Comparison of rotating disk and wall-jet electrode systems for studying the kinetics of direct and mediated electron transfer for horseradish peroxidase on a graphite electrode. *Journal of Electroanalytical Chemistry*, **1998**, 458, 113-120	4.1	48
259	Bioelectrochemical characterisation of cellobiose dehydrogenase modified graphite electrodes: ionic strength and pH dependences. *Journal of Electroanalytical Chemistry*, **2000**, 482, 1-10	4.1	48
258	Bioelectrocatalytic detection of theophylline at theophylline oxidase electrodes. *Biosensors and Bioelectronics*, **2007**, 22, 2508-15	11.8	47
257	Nile blue adsorbed onto silica gel modified with niobium oxide for electrocatalytic oxidation of NADH. *Electrochimica Acta*, **2002**, 47, 3351-3360	6.7	47
256	Electrochemical investigation of cellobiose dehydrogenase from new fungal sources on Au electrodes. *Biosensors and Bioelectronics*, **2005**, 20, 2010-8	11.8	47
255	Electron transfer between cellobiose dehydrogenase and graphite electrodes. *Analytica Chimica Acta*, **1996**, 331, 207-215	6.6	47
254	Rapid alcohol determination in plasma and urine by column liquid chromatography with biosensor detection. *Journal of Pharmaceutical and Biomedical Analysis*, **1998**, 17, 1111-28	3.5	46
253	Electrical wiring of Pseudomonas putida and Pseudomonas fluorescens with osmium redox polymers. *Bioelectrochemistry*, **2007**, 71, 38-45	5.6	45
252	Direct Electrochemistry of Proteins and Enzymes. *Perspectives in Bioanalysis*, **2005**, 517-598		45
251	Electrochemically and Catalytically Active Reconstituted Horseradish Peroxidase with Ferrocene-Modified Hemin and an Artificial Binding Site. *Chemistry - A European Journal*, **1999**, 5, 961-967	4.8	45
250	Wiring of Photosystem I and Hydrogenase on an Electrode for Photoelectrochemical H2 Production by using Redox Polymers for Relatively Positive Onset Potential. *ChemElectroChem*, **2017**, 4, 90-95	4.3	44
249	Effect of deglycosylation of cellobiose dehydrogenases on the enhancement of direct electron transfer with electrodes. *Analytical Chemistry*, **2012**, 84, 10315-23	7.8	44
248	Highly Sensitive Membraneless Fructose Biosensor Based on Fructose Dehydrogenase Immobilized onto Aryl Thiol Modified Highly Porous Gold Electrode: Characterization and Application in Food Samples. *Analytical Chemistry*, **2018**, 90, 12131-12136	7.8	44
247	Mutual enhancement of the current density and the coulombic efficiency for a bioanode by entrapping bi-enzymes with Os-complex modified electrodeposition paints. *Biosensors and Bioelectronics*, **2013**, 40, 308-14	11.8	43
246	Supercritical fluid extraction of a lignocellulosic hydrolysate of spruce for detoxification and to facilitate analysis of inhibitors. *Biotechnology and Bioengineering*, **2002**, 79, 694-700	4.9	43
245	Redox polymers for electrocatalytic oxidation of NADH □A random block methyl-siloxane polymer containing meldola blue. *Electroanalysis*, **1995**, 7, 935-940	3	43
244	Optimization of a membraneless glucose/oxygen enzymatic fuel cell based on a bioanode with high coulombic efficiency and current density. *ChemPhysChem*, **2013**, 14, 2260-9	3.2	42
243	Evaluation of performance and stability of biocatalytic redox films constructed with different copper oxygenases and osmium-based redox polymers. *Bioelectrochemistry*, **2009**, 76, 162-8	5.6	42

242	Enzyme-based biosensor as a selective detection unit in column liquid chromatography. *Journal of Chromatography A*, **1994**, 660, 153-67	4.5	42
241	Monitoring of enzymatic hydrolysis of ivory nut mannan using on-line microdialysis sampling and anion-exchange chromatography with integrated pulsed electrochemical detection. *Analytica Chimica Acta*, **1995**, 313, 15-24	6.6	42
240	Enzyme Electrodes For L-Glutamate Using Chemical Redox Mediators and Enzymatic Substrate Amplification. *Analytical Letters*, **1986**, 19, 1273-1288	2.2	42
239	Determination of lactose by a novel third generation biosensor based on a cellobiose dehydrogenase and aryl diazonium modified single wall carbon nanotubes electrode. *Sensors and Actuators B: Chemical*, **2013**, 177, 64-69	8.5	41
238	Inter-domain electron transfer in cellobiose dehydrogenase: modulation by pH and divalent cations. *FEBS Journal*, **2015**, 282, 3136-48	5.7	41
237	Improved microbial electrocatalysis with osmium polymer modified electrodes. *Chemical Communications*, **2012**, 48, 10183-5	5.8	41
236	Recombinantly produced cellobiose dehydrogenase from Corynascus thermophilus for glucose biosensors and biofuel cells. *Biotechnology Journal*, **2012**, 7, 1359-66	5.6	41
235	Characteristics of third-generation glucose biosensors based on Corynascus thermophilus cellobiose dehydrogenase immobilized on commercially available screen-printed electrodes working under physiological conditions. *Analytical Biochemistry*, **2012**, 425, 36-42	3.1	41
234	Electrospun carbon nanofibers from polyacrylonitrile blended with activated or graphitized carbonaceous materials for improving anodic bioelectrocatalysis. *Bioresource Technology*, **2013**, 132, 121-6	11	41
233	Electrochemical communication between heterotrophically grown Rhodobacter capsulatus with electrodes mediated by an osmium redox polymer. *Bioelectrochemistry*, **2013**, 93, 30-6	5.6	41
232	Amperometric glucose sensor based on glucose dehydrogenase immobilized on a graphite electrode modified with an N,N?-bis(benzophenoxazinyl) derivative, of benzene-1,4-dicarboxamide. *Analytica Chimica Acta*, **1991**, 246, 283-292	6.6	41
231	Effect of proton donors on direct electron transfer in the system gold electrode–horseradish peroxidase. *Electrochemistry Communications*, **2001**, 3, 767-774	5.1	40
230	Engineering of pyranose 2-oxidase: improvement for biofuel cell and food applications through semi-rational protein design. *Journal of Biotechnology*, **2009**, 139, 250-7	3.7	39
229	Amperometric peroxide sensor based on horseradish peroxidase and toluidine blue O-acrylamide polymer in carbon paste. *Analytica Chimica Acta*, **1998**, 373, 241-251	6.6	39
228	Study of a reagent- and mediator-less biosensor for D-amino acids based on co-immobilized D-amino acid oxidase and peroxidase in carbon paste electrodes. *Journal of Biomaterials Applications*, **1993**, 8, 146-73	2.9	39
227	High-performance anion-exchange chromatography-electrospray mass spectrometry for investigation of the substituent distribution in hydroxypropylated potato amylopectin starch. *Journal of Chromatography A*, **2001**, 917, 111-21	4.5	38
226	Monitoring of ethanol during fermentation of a lignocellulose hydrolysate by on-line microdialysis sampling, column liquid chromatography, and an alcohol biosensor. *Biotechnology and Bioengineering*, **1994**, 44, 322-8	4.9	38
225	Biofuel anode based on d-glucose dehydrogenase, nicotinamide adenine dinucleotide and a modified electrode. *Enzyme and Microbial Technology*, **1985**, 7, 549-552	3.8	38

224	Supercapacitive Photo-Bioanodes and Biosolar Cells: A Novel Approach for Solar Energy Harnessing. *Advanced Energy Materials*, **2017**, 7, 1602285	21.8	37
223	Electrochemical Communication Between Electrodes and Rhodobacter capsulatus Grown in Different Metabolic Modes. *Electroanalysis*, **2015**, 27, 118-127	3	37
222	Electrochemical communication between microbial cells and electrodes via osmium redox systems. *Biochemical Society Transactions*, **2012**, 40, 1330-5	5.1	37
221	Electrochemical and catalytic investigation of carbon paste modified with Toluidine Blue O covalently immobilised on silica gel. *Analytica Chimica Acta*, **2003**, 476, 43-54	6.6	37
220	Cellobiose dehydrogenase: Insights on the nanostructuration of electrodes for improved development of biosensors and biofuel cells. *Applied Materials Today*, **2017**, 9, 319-332	6.6	36
219	Evaluation of a thermophile enzyme for a carbon paste amperometric biosensor: L-glutamate dehydrogenase. *Biosensors and Bioelectronics*, **1997**, 12, 225-232	11.8	36
218	Properties of native and hydrophobic laccases immobilized in the liquid-crystalline cubic phase on electrodes. *Journal of Biological Inorganic Chemistry*, **2007**, 12, 335-44	3.7	36
217	Changing the Amylopectin-Sodium Dodecyl Sulphate Interaction by Modifying the Exterior Chain Length. *Starch/Staerke*, **2002**, 54, 100-107	2.3	36
216	Enzymatic specificity and hydrolysis pattern of the catalytic domain of the xylanase XynI from Rhodothermus marinus. *Journal of Biotechnology*, **1998**, 60, 23-35	3.7	36
215	Membrane characterisation and performance of microdialysis probes intended for use as bioprocess sampling units. *Journal of Chromatography A*, **1996**, 725, 41-56	4.5	36
214	An amperometric enzyme biosensor for real-time measurements of cellobiohydrolase activity on insoluble cellulose. *Biotechnology and Bioengineering*, **2012**, 109, 3199-204	4.9	35
213	Heterologous overexpression of Glomerella cingulata FAD-dependent glucose dehydrogenase in Escherichia coli and Pichia pastoris. *Microbial Cell Factories*, **2011**, 10, 106	6.4	35
212	Electron transfer from Proteus vulgaris to a covalently assembled, single walled carbon nanotube electrode functionalised with osmium bipyridine complex: application to a whole cell biosensor. *Biosensors and Bioelectronics*, **2011**, 26, 2383-9	11.8	35
211	Direct and mediated electrochemistry of peroxidase and its electrocatalysis on a variety of screen-printed carbon electrodes: amperometric hydrogen peroxide and phenols biosensor. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 439-46	4.4	34
210	Enhancement of enzymatic activity and catalytic current of cellobiose dehydrogenase by calcium ions. *Electrochemistry Communications*, **2012**, 17, 71-74	5.1	34
209	A novel combined thermometric and amperometric biosensor for lactose determination based on immobilised cellobiose dehydrogenase. *Biosensors and Bioelectronics*, **2012**, 31, 251-6	11.8	34
208	Optimal membrane choice for microdialysis sampling of oligosaccharides. *Journal of Chromatography A*, **1998**, 806, 265-78	4.5	34
207	Bi-enzyme biosensor based on NAD+- and glutathione-dependent recombinant formaldehyde dehydrogenase and diaphorase for formaldehyde assay. *Sensors and Actuators B: Chemical*, **2007**, 125, 1-9	8.5	34

206	Effect of HY-zeolites on the performance of tyrosinase-modified carbon paste electrodes. *Electroanalysis*, **1996**, 8, 1121-1126	3	34
205	Crosslinked redox polymer enzyme electrodes containing carbon nanotubes for high and stable glucose oxidation current. *Physical Chemistry Chemical Physics*, **2012**, 14, 14667-72	3.6	33
204	Simultaneous amperometric determination of some mono-, di-, and oligosaccharides in flow injection and liquid chromatography using two working enzyme electrodes with different selectivity. *Analytica Chimica Acta*, **1997**, 349, 179-188	6.6	33
203	Pyranose Oxidase Modified Carbon Paste Electrodes for Monosaccharide Determination. *Electroanalysis*, **1998**, 10, 223-230	3	33
202	Characterization of two new multiforms of Trametes pubescens laccase. *Bioorganic Chemistry*, **2007** , 35, 35-49	5.1	33
201	Fermentation of seeds of Teff (Eragrostis teff), grass-pea (Lathyrus sativus), and their mixtures: aspects of nutrition and food safety. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 1163-9	5.7	33
200	In-field monitoring of cleaning efficiency in waste water treatment plants using two phenol-sensitive biosensors. *Analytica Chimica Acta*, **2002**, 456, 3-17	6.6	33
199	The influence of the carbon paste composition on the performance of an amperometric bienzyme sensor for L-lactate. *Electroanalysis*, **1996**, 8, 507-514	3	33
198	Investigation of the pH-dependent electron transfer mechanism of ascomycetous class II cellobiose dehydrogenases on electrodes. *Langmuir*, **2012**, 28, 6714-23	4	32
197	Increasing amperometric biosensor sensitivity by length fractionated single-walled carbon nanotubes. *Biosensors and Bioelectronics*, **2008**, 24, 272-8	11.8	32
196	Redox polymers for electrocatalytic oxidation of NADH □Cationic styrene and ethylenimine polymers. *Electroanalysis*, **1996**, 8, 575-581	3	32
195	A reagentless amperometric electrode based on carbon paste, chemically modified with D-lactate dehydrogenase, NAD(+), and mediator containing polymer for D-lactic acid analysis. I. Construction, composition, and characterization. *Biotechnology and Bioengineering*, **1995**, 46, 270-9	4.9	32
194	A zinc-sensitive polymeric membrane electrode. *Analytica Chimica Acta*, **1977**, 90, 233-236	6.6	32
193	Mediated electron transfer of cellobiose dehydrogenase and glucose oxidase at osmium polymer-modified nanoporous gold electrodes. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 3823-30	4.4	31
192	Solar biosupercapacitor. *Electrochemistry Communications*, **2017**, 74, 9-13	5.1	31
191	Liquid chromatography-mass spectrometry analysis of enzyme-hydrolysed carboxymethylcellulose for investigation of enzyme selectivity and substituent pattern. *Journal of Chromatography A*, **2004**, 1029, 87-95	4.5	31
190	Photoelectrochemical investigation of methylene blue immobilised on zirconium phosphate modified carbon paste electrode in flow injection system. *Analytica Chimica Acta*, **2005**, 542, 162-168	6.6	31
189	Polyethyleneimine as a promoter layer for the immobilization of cellobiose dehydrogenase from Myriococcum thermophilum on graphite electrodes. *Analytical Chemistry*, **2014**, 86, 4256-63	7.8	30

188	Effects of pretreatments and modifiers on electrochemical properties of carbon paste electrodes. *Electroanalysis*, **1997**, 9, 357-365	3	30
187	Qualitative and quantitative carbohydrate analysis of fermentation substrates and broths by liquid chromatographic techniques. *Journal of Chromatography A*, **1994**, 665, 317-332	4.5	30
186	Post-column derivatization in liquid chromatography using immobilized enzyme reactors and amperometric detection. *Analytica Chimica Acta*, **1990**, 234, 13-29	6.6	30
185	An investigation of the influences of the background material and layer thickness of sputtered palladium/gold on carbon electrodes for the amperometric determination of hydrogen peroxide. *Journal of Molecular Catalysis*, **1986**, 38, 49-60		30
184	Enhanced Direct Electron Transfer of Fructose Dehydrogenase Rationally Immobilized on a 2-Aminoanthracene Diazonium Cation Grafted Single-Walled Carbon Nanotube Based Electrode. *ACS Catalysis*, **2018**, 8, 10279-10289	13.1	30
183	Bioelectrochemical probing of intracellular redox processes in living yeast cells--application of redox polymer wiring in a microfluidic environment. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 3847-58	4.4	29
182	An oxygen-independent and membrane-less glucose biobattery/supercapacitor hybrid device. *Biosensors and Bioelectronics*, **2017**, 98, 421-427	11.8	29
181	Spectroscopic Observation of Calcium-Induced Reorientation of Cellobiose Dehydrogenase Immobilized on Electrodes and its Effect on Electrocatalytic Activity. *ChemPhysChem*, **2015**, 16, 1960-8	3.2	29
180	Electrocatalytic oxidation of NADH using a pencil graphite electrode modified with quercetin. *Colloids and Surfaces B: Biointerfaces*, **2013**, 102, 816-21	6	29
179	Electrical communication of cytochrome enriched Escherichia coli JM109 cells with graphite electrodes. *Electrochimica Acta*, **2009**, 54, 4979-4984	6.7	29
178	Carbon Ceramic Electrodes Modified with Laccase from Trametes hirsuta: Fabrication, Characterization and Their Use for Phenolic Compounds Detection. *Electroanalysis*, **2007**, 19, 907-917	3	29
177	Prussian blue-glutamate oxidase modified glassy carbon electrode: A sensitive l-glutamate and □N-oxalyl-□□diaminopropionic acid (□ODAP) sensor. *Analytica Chimica Acta*, **2006**, 556, 319-325	6.6	29
176	Bioelectrocatalytical Detection of H2O2 with Different Forms of Horseradish Peroxidase Directly Adsorbed at Polycrystalline Silver and Gold. *Electroanalysis*, **2003**, 15, 484-491	3	29
175	Effects on the hydrolysis of native starch and glycogen by a thermostable □amylase after immobilization on solid supports. *Analytica Chimica Acta*, **1990**, 234, 97-106	6.6	29
174	On-line monitoring of a cultivation using an electronic nose. *Analytica Chimica Acta*, **1998**, 361, 223-231	6.6	28
173	Laccase-based biosensors for monitoring lignin. *Enzyme and Microbial Technology*, **2006**, 39, 835-840	3.8	28
172	Evaluation of Photocurrent Generation from Different Photosynthetic Organisms. *ChemElectroChem*, **2017**, 4, 412-417	4.3	27
171	The influence of pH and divalent/monovalent cations on the internal electron transfer (IET), enzymatic activity, and structure of fructose dehydrogenase. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 3253-3264	4.4	27

170	Membraneless glucose/oxygen enzymatic fuel cells using redox hydrogel films containing carbon nanotubes. *ChemPhysChem*, **2013**, 14, 2302-7	3.2	27
169	Direct electrochemistry and bioelectrocatalysis of H2O2 reduction of recombinant tobacco peroxidase on graphite. Effect of peroxidase single-point mutation on Ca2+-modulated catalytic activity. *Journal of Electroanalytical Chemistry*, **2006**, 588, 112-121	4.1	27
168	On-line quantitation of enzymatic mannan hydrolysates in small-volume bioreactors by microdialysis sampling and column liquid chromatography-integrated pulsed electrochemical detection. *Journal of Chromatography A*, **1996**, 725, 165-175	4.5	27
167	Direct Electron Transfer from the FAD Cofactor of Cellobiose Dehydrogenase to Electrodes. *ACS Catalysis*, **2016**, 6, 555-563	13.1	26
166	Recombinant pyranose dehydrogenase—A versatile enzyme possessing both mediated and direct electron transfer. *Electrochemistry Communications*, **2012**, 24, 120-122	5.1	26
165	A kinetic model for enzymatic wheat starch saccharification. *Journal of Chemical Technology and Biotechnology*, **2000**, 75, 306-314	3.5	26
164	Effect of surface-active agents on amperometric NADH measurements with chemically modified electrodes. *Analytica Chimica Acta*, **1995**, 305, 65-73	6.6	26
163	Electrochemical wiring of the Gram-positive bacterium Enterococcus faecalis with osmium redox polymer modified electrodes. *Electrochemistry Communications*, **2017**, 75, 56-59	5.1	25
162	Direct electrochemistry and Os-polymer-mediated bioelectrocatalysis of NADH oxidation by Escherichia coli flavohemoglobin at graphite electrodes. *Biosensors and Bioelectronics*, **2013**, 42, 219-24	11.8	25
161	Catalytically active silica nanoparticle-based supramolecular architectures of two proteins--cellobiose dehydrogenase and cytochrome C on electrodes. *Langmuir*, **2012**, 28, 9189-94	4	25
160	NADH screen-printed electrodes modified with zirconium phosphate, Meldola blue, and Reinecke salt. Application to the detection of glycerol by FIA. *Analytical and Bioanalytical Chemistry*, **2007**, 387, 1049-58	4.4	25
159	Comment on "Direct electrochemistry and electrocatalysis of heme proteins entrapped in agarose hydrogel films in room-temperature ionic liquids". *Langmuir*, **2006**, 22, 11453-5	4	25
158	Autoreduction and aggregation of fungal laccase in solution phase: possible correlation with a resting form of laccase. *Biochimie*, **2006**, 88, 1275-85	4.6	25
157	Determination of saccharides in wastewater from the beverage industry by microdialysis sampling, microbore high performance anion exchange chromatography and integrated pulsed electrochemical detection. *Analyst, The*, **2000**, 125, 1379-1381	5	25
156	Comparison between different inorganic supports for the immobilization of amyloglucosidase and α-amylase to be used in enzyme reactors in flow-injection systems. *Analytica Chimica Acta*, **1993**, 276, 303-318	6.6	25
155	Three-Dimensional Graphene Matrix-Supported and Thylakoid Membrane-Based High-Performance Bioelectrochemical Solar Cell. *ACS Applied Energy Materials*, **2018**, 1, 319-323	6.1	24
154	Cisplatin-induced elongation of Shewanella oneidensis MR-1 cells improves microbe–electrode interactions for use in microbial fuel cells. *Energy and Environmental Science*, **2013**, 6, 2626	35.4	24
153	Effect of Multi-Walled Carbon Nanotubes on Glucose Oxidation by Glucose Oxidase or a Flavin-Dependent Glucose Dehydrogenase in Redox-Polymer-Mediated Enzymatic Fuel Cell Anodes. *ChemElectroChem*, **2014**, 1, 1988-1993	4.3	24

152	Electrocatalytic NADH Oxidation Using an Electrode Based on Meldola Blue Immobilized on Silica Coated with Niobium Oxide. *Electroanalysis*, **2002**, 14, 805	3	24
151	Investigation of the Effect of Different Glassy Carbon Materials on the Performance of Prussian Blue Based Sensors for Hydrogen Peroxide. *Electroanalysis*, **2003**, 15, 175-182	3	24
150	Enzyme-aided investigation of the substituent distribution in cationic potato amylopectin starch. *Analytical Chemistry*, **2003**, 75, 6499-508	7.8	24
149	Determination of myo-inositol in a flow-injection system with co-immobilized enzyme reactors and amperometric detection. *Analytica Chimica Acta*, **1988**, 206, 49-55	6.6	24
148	Supercapacitive Biosolar Cell Driven by Direct Electron Transfer between Photosynthetic Membranes and CNT Networks with Enhanced Performance. *ACS Energy Letters*, **2017**, 2, 2635-2639	20.1	23
147	Localized deposition of Au nanoparticles by direct electron transfer through cellobiose dehydrogenase. *Chemistry - A European Journal*, **2010**, 16, 11697-706	4.8	23
146	Oligosaccharide dehydrogenase-modified graphite electrodes for the amperometric determination of sugars in a flow injection system. *Analytical Chemistry*, **1997**, 69, 4039-44	7.8	23
145	Direct electrochemistry of recombinant tobacco peroxidase on gold. *Electrochemistry Communications*, **2005**, 7, 1291-1297	5.1	23
144	A Reagentless Amperometric Carbon Paste Based Sensor for NADH. *Electroanalysis*, **2000**, 12, 194-198	3	23
143	Microchip immobilized enzyme reactors for hydrolysis of methyl cellulose. *Analytical Chemistry*, **2005**, 77, 3284-91	7.8	22
142	Filmes de metal-hexacianoferrato: uma ferramenta em qu□mica anal□tica. *Quimica Nova*, **2001**, 24, 200-205	1.6	22
141	On-line glucose monitoring by using microdialysis sampling and amperometric detection based on □wired□ glucose oxidase in carbon paste. *Mikrochimica Acta*, **1995**, 121, 31-40	5.8	22
140	Amperometric microbiosensors for detection of hydrogen peroxide and glucose based on peroxidase-modified carbon fibers. *Electroanalysis*, **1994**, 6, 925-933	3	22
139	Supercapacitor/biofuel cell hybrid device employing biomolecules for energy conversion and charge storage. *Bioelectrochemistry*, **2019**, 128, 94-99	5.6	21
138	Direct Electron Transfer of Cellobiose Dehydrogenase on Positively Charged Polyethyleneimine Gold Nanoparticles. *ChemPlusChem*, **2017**, 82, 546-552	2.8	21
137	Improvement of direct bioelectrocatalysis by cellobiose dehydrogenase on screen printed graphite electrodes using polyaniline modification. *Bioelectrochemistry*, **2009**, 76, 87-92	5.6	21
136	A study of a polysulfone membrane for use in an in-situ tunable microdialysis probe during monitoring of starch enzymatic hydrolysates. *Journal of Membrane Science*, **1997**, 130, 239-248	9.6	21
135	Indophenol and O-Quinone Derivatives Immobilized on Zirconium Phosphate for NADH Electro-oxidation. *Analytical Letters*, **2003**, 36, 1755-1779	2.2	21

134	Aldose dehydrogenase-modified carbon paste electrodes as amperometric aldose sensors. *Analytica Chimica Acta*, **1995**, 302, 233-240	6.6	21
133	Fabrication of a highly efficient solid state electrochemiluminescence sensor using Ru(bpy)32+ incorporated nanoZnO-MWCNTs-Nafion composite film. *Electrochimica Acta*, **2015**, 164, 211-217	6.7	20
132	Direct Electron-Transfer Anisotropy of a Site-Specifically Immobilized Cellobiose Dehydrogenase. *ACS Catalysis*, **2019**, 9, 7607-7615	13.1	20
131	Direct heterogeneous electron transfer of theophylline oxidase. *Biosensors and Bioelectronics*, **2004** , 20, 176-83	11.8	20
130	Electrocatalytic oxidation of NADH at carbon paste electrodes modified with meldola blue adsorbed on zirconium phosphate: effect of Ca2+ and polyethyleneimine. *Journal of Solid State Electrochemistry*, **2005**, 9, 296-303	2.6	20
129	Characterization of a sampling unit based on tangential flow filtration for on-line bioprocess monitoring. *Analytica Chimica Acta*, **1993**, 279, 27-37	6.6	20
128	Glucose oxidation by osmium redox polymer mediated enzyme electrodes operating at low potential and in oxygen, for application to enzymatic fuel cells. *Electrochimica Acta*, **2015**, 182, 320-326	6.7	19
127	Two Routes for Extracellular Electron Transfer in Enterococcus faecalis. *Journal of Bacteriology*, **2020**, 202,	3.5	19
126	A novel bio-electronic tongue using different cellobiose dehydrogenases to resolve mixtures of various sugars and interfering analytes. *Biosensors and Bioelectronics*, **2016**, 79, 515-21	11.8	19
125	Highly Efficient Membraneless Glucose Bioanode Based on Corynascus thermophilus Cellobiose Dehydrogenase on Aryl Diazonium-Activated Single-Walled Carbon Nanotubes. *ChemElectroChem*, **2014**, 1, 1948-1956	4.3	19
124	At-line measurement of lactose in dairy-processing plants. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 3791-9	4.4	19
123	Tethering Osmium Complexes within Enzyme Films on Electrodes to Provide a Fully Enzymatic Membrane-Less Glucose/Oxygen Fuel Cell. *Journal of the Electrochemical Society*, **2013**, 160, G3165-G3170	3.9	19
122	Comparison of Glucose Oxidation by Crosslinked Redox Polymer Enzyme Electrodes Containing Carbon Nanotubes and a Range of Glucose Oxidising Enzymes. *Electroanalysis*, **2013**, 25, 94-100	3	19
121	LC-Biosensor System for the Determination of the Neurotoxin □N-Oxalyl-l-□diaminopropionic Acid. *Analytical Chemistry*, **1997**, 69, 3471-5	7.8	19
120	New approaches to the analysis of enzymatically hydrolyzed methyl cellulose. Part 2. Comparison of various enzyme preparations. *Biomacromolecules*, **2006**, 7, 1410-21	6.9	19
119	New approaches to the analysis of enzymatically hydrolyzed methyl cellulose. Part 1. Investigation of the influence of structural parameters on the extent of degradation. *Biomacromolecules*, **2006**, 7, 1399-409	6.9	19
118	Electrocatalytic Oxidation of Coenzyme NADH at Carbon Paste Electrodes, Modified with Zirconium Phosphate and Some Redox Mediators. *Journal of Colloid and Interface Science*, **2000**, 224, 325-332	9.3	19
117	Direct and mediated electron transfer catalyzed by anionic tobacco peroxidase. *Applied Biochemistry and Biotechnology*, **2000**, 88, 321-334	3.2	19

116	On-line determination of non-volatile orlow-concentration metabolites in a yeast cultivation using an electronicnose. *Analyst, The*, **2000**, 125, 1123-1128	5	18
115	Development of an Osmium Redox Polymer Mediated Bioanode and Examination of its Performance in Gluconobacter oxydans Based Microbial Fuel Cell. *Electroanalysis*, **2017**, 29, 1651-1657	3	17
114	Following Nature: Bioinspired Mediation Strategy for Gram-Positive Bacterial Cells. *Advanced Energy Materials*, **2019**, 9, 1900215	21.8	17
113	Highly sensitive, stable and selective hydrogen peroxide amperometric biosensors based on peroxidases from different sources wired by Os-polymer: A comparative study. *Solid State Ionics*, **2018**, 314, 178-186	3.3	17
112	Engineering of pyranose dehydrogenase for application to enzymatic anodes in biofuel cells. *Physical Chemistry Chemical Physics*, **2015**, 17, 9074-81	3.6	17
111	Photoelectrocatalytic Oxidation of NADH at a Graphite Electrode Modified with a New Polymeric Phenothiazine. *Electroanalysis*, **2009**, 21, 360-367	3	17
110	Direct Heterogeneous Electron Transfer Reactions of Bacillus halodurans Bacterial Blue Multicopper Oxidase. *Electroanalysis*, **2008**, 20, 963-969	3	17
109	NADH Oxidation Using Carbonaceous Electrodes Modified with Dibenzo-Dithia-Diazapentacene. *Electroanalysis*, **2003**, 15, 383-391	3	17
108	Characterization of tyrosinase-teflon/graphite composite electrodes for the determination of catechol in environmental analysis. *Electroanalysis*, **1996**, 8, 885-890	3	17
107	A glucose sensor made by chemically crosslinking glucose oxidase directly on the surface of a carbon electrode modified with Pd/Au for hydrogen peroxide electrocatalysis. *Mikrochimica Acta*, **1989**, 97, 9-16	5.8	17
106	Tryptophan repressor-binding proteins from Escherichia coli and Archaeoglobus fulgidus as new catalysts for 1,4-dihydronicotinamide adenine dinucleotide-dependent amperometric biosensors and biofuel cells. *Analytical Chemistry*, **2009**, 81, 4082-8	7.8	16
105	The influence of surface composition of carbon nanotubes on the photobioelectrochemical activity of thylakoid bioanodes mediated by osmium-complex modified redox polymer. *Electrochimica Acta*, **2019**, 310, 20-25	6.7	15
104	Interprotein Coupling Enhances the Electrocatalytic Efficiency of Tobacco Peroxidase Immobilized at a Graphite Electrode. *Analytical Chemistry*, **2015**, 87, 10807-14	7.8	15
103	Electron transfer reactions, cyanide and O2 binding of truncated hemoglobin from Bacillus subtilis. *Electrochimica Acta*, **2013**, 110, 86-93	6.7	15
102	Engineered Pyranose 2-Oxidase: Efficiently Turning Sugars into Electrical Energy. *Electroanalysis*, **2010**, 22, 813-820	3	15
101	Comparative Spectroelectrochemical Studies of Lyophilized and Nonlyophilized Laccases from Cerrena unicolor Basidiomycete. *Electroanalysis*, **2007**, 19, 1039-1047	3	15
100	Product profiles in enzymic and non-enzymic oxidations of the lignin model compound erythro-1-(3,4-dimethoxyphenyl)-2-(2-methoxyphenoxy)-1,3-propanediol. *Journal of Molecular Catalysis B: Enzymatic*, **2005**, 35, 100-107		15
99	Ferrocene-containing polymers as electron transfer mediators in carbon paste electrodes modified with PQQ-dependent aldose dehydrogenase. *Electroanalysis*, **1995**, 7, 941-946	3	15

98	Two-dimensional graphene paper supported flexible enzymatic fuel cells. *Nanoscale Advances*, **2019**, 1, 2562-2570	5.1	14
97	The influence of the shape of Au nanoparticles on the catalytic current of fructose dehydrogenase. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 7645-7657	4.4	14
96	Further insights into the catalytical properties of deglycosylated pyranose dehydrogenase from Agaricus meleagris recombinantly expressed in Pichia pastoris. *Analytical Chemistry*, **2013**, 85, 9852-8	7.8	14
95	Investigation of the mediated electron transfer mechanism of cellobiose dehydrogenase at cytochrome c-modified gold electrodes. *Bioelectrochemistry*, **2012**, 87, 9-14	5.6	14
94	Determination of starch and maltose using immobilized amyloglucosidase and a glucose electrode in a flow injection system. *Journal of Chemical Technology and Biotechnology*, **2007**, 46, 327-333	3.5	14
93	Direct Electron Transfer Between Graphite Electrodes and Ligninolytic Peroxidases from Phanerochaete chrysosporium. *Electroanalysis*, **2002**, 14, 1411-1418	3	14
92	Bioelectrocatalysis of Plant Peroxidases Immobilized on Graphite in Aqueous and Mixed Solvent Media. *Electroanalysis*, **2005**, 17, 460-468	3	14
91	Characterization of graphite electrodes modified with laccases from Trametes hirsuta and Cerrena unicolor and their use for flow injection amperometric determination of some phenolic compounds. *International Journal of Environmental Analytical Chemistry*, **2005**, 85, 753-770	1.8	14
90	Potentiometric determination of glucose by enzymatic oxidation in a flow system. *Analytica Chimica Acta*, **1979**, 105, 43-52	6.6	14
89	Improved operational stability of mediated glucose enzyme electrodes for operation in human physiological solutions. *Bioelectrochemistry*, **2020**, 133, 107460	5.6	13
88	Graphite electrodes modified with Neurospora crassa cellobiose dehydrogenase: comparative electrochemical characterization under direct and mediated electron transfer. *Bioelectrochemistry*, **2012**, 88, 84-91	5.6	13
87	The improvement of polyaniline glucose biosensor stability using enzyme immobilization from water–organic mixtures with a high content of organic solvent. *Sensors and Actuators B: Chemical*, **1997**, 44, 356-360	8.5	13
86	Synthesis and structural characterisation of novel platinum-based drug candidates with extended functionality by incorporation of bis(diphenylphosphino)ferrocene units as metal chelators. *Tetrahedron*, **2006**, 62, 4519-4527	2.4	13
85	Investigation of micro-immobilised enzyme reactors containing endoglucanases for efficient hydrolysis of cellodextrins and cellulose derivatives. *Analytica Chimica Acta*, **2005**, 550, 182-190	6.6	13
84	Initial characterization of ethyl(hydroxyethyl) cellulose using enzymic degradation and chromatographic methods. *Biomacromolecules*, **2002**, 3, 1359-63	6.9	13
83	Maximising microdialysis sampling by optimising the internal probe geometry. *Analytical Communications*, **1999**, 36, 171-174		13
82	Flow Injection Analysis of Lactate and Lactate Dehydrogenase Using an Enzyme Membrane in Conjunction with a Modified Electrode. *Analytical Letters*, **1986**, 19, 1691-1703	2.2	13
81	Fuel-independent and membrane-less self-charging biosupercapacitor. *Chemical Communications*, **2018**, 54, 11801-11804	5.8	13

80	Effect of individual plasma components on the performance of a glucose enzyme electrode based on redox polymer mediation of a flavin adenine dinucleotide-dependent glucose dehydrogenase. *Electrochimica Acta*, **2019**, 302, 270-276	6.7	12
79	Amperometric Flow Injection Analysis of Glucose and Galactose Based on Engineered Pyranose 2-Oxidases and Osmium Polymers for Biosensor Applications. *Electroanalysis*, **2018**, 30, 1496-1504	3	12
78	Quantifying the release of lactose from polymer matrix tablets with an amperometric biosensor utilizing cellobiose dehydrogenase. *International Journal of Pharmaceutics*, **2014**, 468, 121-32	6.5	12
77	Development of a Bioanode for Microbial Fuel Cells Based on the Combination of a MWCNT-Au-Pt Hybrid Nanomaterial, an Osmium Redox Polymer and Gluconobacter oxydans DSM 2343 Cells. *ChemistrySelect*, **2017**, 2, 12034-12040	1.8	12
76	Electrochemical and spectrophotometric studies on dyes and proteins labelled with dyes. *Synthetic Metals*, **2005**, 155, 426-429	3.6	12
75	Evaluation of detection and sample clean-up techniques for on- and off-line fermentation monitoring systems. *Analytica Chimica Acta*, **1996**, 324, 103-113	6.6	12
74	A reagentless amperometric electrode based on carbon paste, chemically modified with D-lactate dehydrogenase, NAD(+), and mediator containing polymer for D-lactic acid analysis. II. On-line monitoring of fermentation process. *Biotechnology and Bioengineering*, **1995**, 46, 280-4	4.9	12
73	Fenton-like Inactivation of Tobacco Peroxidase Electrocatalysis at Negative Potentials. *ACS Catalysis*, **2016**, 6, 7452-7457	13.1	12
72	Engineering of Cellobiose Dehydrogenases for Improved Glucose Sensitivity and Reduced Maltose Affinity. *ChemElectroChem*, **2017**, 4, 846-855	4.3	11
71	Direct electron transfer of Phanerochaete chrysosporium cellobiose dehydrogenase at platinum and palladium nanoparticles decorated carbon nanotubes modified electrodes. *Physical Chemistry Chemical Physics*, **2015**, 17, 24157-65	3.6	11
70	Hybrid Biosensor For Simultaneous Electrochemical and Thermometric Detection. *Analytical Letters* , **1997**, 30, 2141-2158	2.2	11
69	Countercurrent supercritical fluid extraction of phenolic compounds from aqueous matrices. *Analytica Chimica Acta*, **2002**, 460, 1-12	6.6	11
68	Peroxidase-modified carbon paste microelectrode as amperometric FI-detector for peroxides in partial aqueous media. *Electroanalysis*, **1996**, 8, 1014-1019	3	11
67	Carbon Aerogel as Electrode Material for Improved Direct Electron Transfer in Biosensors Incorporating Cellobiose Dehydrogenase. *Electroanalysis*, **2016**, 28, 2311-2319	3	11
66	Amperometric Flow-Injection Analysis of Phenols Induced by Reactive Oxygen Species Generated under Daylight Irradiation of Titania Impregnated with Horseradish Peroxidase. *Analytical Chemistry*, **2020**, 92, 3643-3649	7.8	10
65	Third Generation ATP Sensor with Enzymatic Analyte Recycling. *Electroanalysis*, **2014**, 26, 2043-2048	3	10
64	Effect of deglycosylation on the mediated electrocatalytic activity of recombinantly expressed Agaricus meleagris pyranose dehydrogenase wired by osmium redox polymer. *Electrochimica Acta*, **2014**, 126, 61-67	6.7	10
63	Development of a Laccase-Modified Electrode for Amperometric Detection of Mono- and Diphenols. The Influence of Enzyme Storage Method. *Analytical Letters*, **2004**, 37, 1497-1513	2.2	10

62	Electrochemistry of NAD(P)+/NAD(P)H **2002**,		10
61	Activity of immobilized yeast aldehyde dehydrogenase in a flow-injection system. *Analytica Chimica Acta*, **1991**, 249, 145-154	6.6	10
60	Biofuel anode for cell reactions involving nicotinamide adenine dinucleotide as a charge carrier. *Bioelectrochemistry*, **1986**, 16, 479-483		10
59	Highly sensitive and stable fructose self-powered biosensor based on a self-charging biosupercapacitor. *Biosensors and Bioelectronics*, **2021**, 176, 112909	11.8	10
58	Micropatterned Carbon-on-Quartz Electrode Chips for Photocurrent Generation from Thylakoid Membranes. *ACS Applied Energy Materials*, **2018**, 1, 3313-3322	6.1	10
57	Interaction of polymer-coated gold nanoparticles with cellobiose dehydrogenase: The role of surface charges. *Journal of Electroanalytical Chemistry*, **2018**, 819, 226-233	4.1	9
56	Electron Transfer between the Gram-Positive Enterococcus faecalis Bacterium and Electrode Surface through Osmium Redox Polymers. *ChemElectroChem*, **2019**, 6, 110-113	4.3	9
55	Electrocatalytically active multi-protein assemblies using nanoscaled building blocks. *RSC Advances*, **2013**, 3, 3428	3.7	9
54	Substrate specificity and interferences of a direct-electron-transfer-based glucose biosensor. *Journal of Diabetes Science and Technology*, **2013**, 7, 669-77	4.1	9
53	Direct electrochemistry and bioelectrocatalysis of a class II non-symbiotic plant haemoglobin immobilised on screen-printed carbon electrodes. *Analytical and Bioanalytical Chemistry*, **2010**, 398, 1643-9	4.4	9
52	Fast-Scan Cyclic Voltammetry and Scanning Electrochemical Microscopy Studies of the pH-Dependent Dissolution of 2-Electron Mediators Immobilized on Zirconium Phosphate Containing Carbon Pastes. *Electroanalysis*, **2002**, 14, 1479-1487	3	9
51	Cellobiose Dehydrogenase and Peroxidase Biosensors for Determination of Phenolic Compounds. *ACS Symposium Series*, **2000**, 113-124	0.4	9
50	Effect of interfering substances on current response of recombinant peroxidase and glucose oxidase-recombinant peroxidase modified graphite electrodes. *Analyst, The*, **2001**, 126, 1929-35	5	9
49	Thylakoid membrane based photobioelectrochemical systems: Achievements, limitations, and perspectives. *Current Opinion in Electrochemistry*, **2020**, 19, 49-54	7.2	9
48	Composite Material Based on Macroporous Polyaniline and Osmium Redox Complex for Biosensor Development. *Electroanalysis*, **2014**, 26, 1623-1630	3	8
47	Use of 18O water and ESI-MS detection in subsite characterisation and investigation of the hydrolytic action of an endoglucanase. *Analytical and Bioanalytical Chemistry*, **2009**, 394, 1977-84	4.4	8
46	Electrochemical evidence of self-substrate inhibition as functions regulation for cellobiose dehydrogenase from Phanerochaete chrysosporium. *Bioelectrochemistry*, **2009**, 76, 42-52	5.6	8
45	Sulfhydryl oxidase modified composite electrode for the detection of reduced thiolic compounds. *Sensors and Actuators B: Chemical*, **2007**, 125, 234-239	8.5	8

44	Hydrolysis of Maltoheptaose in Flow through Silicon Wafer Microreactors Containing Immobilised Amylase and Glycoamylase. *Starch/Staerke*, **2006**, 58, 231-242	2.3	8
43	An efficient and versatile membraneless bioanode for biofuel cells based on Corynascus thermophilus cellobiose dehydrogenase. *Electrochimica Acta*, **2019**, 295, 316-324	6.7	8
42	Effect of surfactants on the signal of chemically modified amperometric electrodes. *Sensors and Actuators B: Chemical*, **1995**, 24, 323-327	8.5	7
41	The Fe (III)/Fe(II) redox couple as a probe of immobilized tobacco peroxidase: Effect of the immobilization protocol. *Electrochimica Acta*, **2019**, 299, 55-61	6.7	7
40	Rapid Determination of Sucrose in Fruit Juices: A New Sensitive Carbon Nanotube Paste Osmium-Polymer Mediated Biosensor. *Journal of Food Research*, **2014**, 3, 101	1.3	6
39	Fabrication and Characterization of a Thin-Layer Electrochemical Flow Cell and Its Application for Flow Analysis. *Analytical Letters*, **2011**, 44, 258-270	2.2	6
38	Characterisation of two novel cyclodextrinases using on-line microdialysis sampling with high-performance anion exchange chromatography. *Analytical and Bioanalytical Chemistry*, **2006**, 385, 1421-9	4.4	6
37	Rapid determination of enzyme purity by a microdialysis-based assay. *Analytical Communications*, **1999**, 36, 189-193		6
36	Optimization of enzyme ratios in a coimmobilized enzyme reactor for the analysis of D-xylose and D-xylulose in a flow system. *Enzyme and Microbial Technology*, **1994**, 16, 216-22	3.8	6
35	Analysis of Agaricus meleagris pyranose dehydrogenase N-glycosylation sites and performance of partially non-glycosylated enzymes. *Enzyme and Microbial Technology*, **2017**, 99, 57-66	3.8	5
34	The Electrically Wired Molybdenum Domain of Human Sulfite Oxidase is Bioelectrocatalytically Active. *European Journal of Inorganic Chemistry*, **2015**, 2015, 3526-3531	2.3	5
33	Effect of Various Deposition Techniques, Electrode Materials and Posttreatment with Tetrabutylammonium and Tetrabutylphosphonium Salts on the Electrochemical Behavior and Stability of Various Prussian Blue Modified Electrodes. *Electroanalysis*, **2007**, 19, 1921-1932	3	5
32	Conductive and enzyme-like silk fibers for soft sensing application. *Biosensors and Bioelectronics*, **2020**, 150, 111859	11.8	5
31	Photoexcitation Dynamics in Electrochemically Charged CdSe Quantum Dots: From Hot Carrier Cooling to Auger Recombination of Negative Trions. *ACS Applied Energy Materials*, **2020**, 3, 12525-12531	6.1	4
30	Oligosaccharide dehydrogenase-catalyzed assay for the determination of polysaccharides. *Analytical Biochemistry*, **1998**, 265, 151-6	3.1	4
29	Specificity and mode of action of a thermostable xylanase from bacillus amyloliquefaciens on-line monitoring of hydrolysis products. *Applied Biochemistry and Biotechnology*, **1998**, 69, 31-40	3.2	4
28	Investigation of the enzyme Bacillus agaradhaerens Cel 5a as an analytical tool in mass spectral characterisation of methylcelluloses. *Analytica Chimica Acta*, **2006**, 561, 16-24	6.6	4
27	Isolation of obligate anaerobic rumen bacteria capable of degrading the neurotoxin ODAP (N-oxalyl-L- diaminopropionic acid) as evaluated by a liquid chromatography/biosensor analysis system. *Journal of the Science of Food and Agriculture*, **2005**, 85, 2027-2032	4.3	4

26	Comparison of carbon paste electrodes modified with native and polyethylene glycol derivatized horseradish peroxidases for the amperometric monitoring of H2O2. *Sensors and Actuators B: Chemical*, **1996**, 37, 97-102	8.5	4
25	Influence of tryptophan mutation on the direct electron transfer of immobilized tobacco peroxidase. *Electrochimica Acta*, **2020**, 351, 136465	6.7	4
24	Self-Powered Detection of Glucose by Enzymatic Glucose/Oxygen Fuel Cells on Printed Circuit Boards. *ACS Applied Materials & Interfaces*, **2021**, 13, 26704-26711	9.5	4
23	Extracellular Electron Transfer: Following Nature: Bioinspired Mediation Strategy for Gram-Positive Bacterial Cells (Adv. Energy Mater. 16/2019). *Advanced Energy Materials*, **2019**, 9, 1970055	21.8	3
22	Determination of the Distance Between the Cytochrome and Dehydrogenase Domains of Immobilized Cellobiose Dehydrogenase by Using Surface Plasmon Resonance with a Center of Mass Based Model. *Analytical Chemistry*, **2020**, 92, 2620-2627	7.8	3
21	Influence of the Electrode Material on the Electrochemical Behavior of Carbon Paste Electrodes Modified with Meldola Blue and Methylene Green Adsorbed on a Synthetic Zeolite. *Electroanalysis*, **2010**, 22, 509-512	3	3
20	Ultrafast Spectroelectrochemistry Reveals Photoinduced Carrier Dynamics in Positively Charged CdSe Nanocrystals. *Journal of Physical Chemistry C*, **2021**, 125, 14332-14337	3.8	3
19	Substrate Preference Pattern of Agaricus meleagris Pyranose Dehydrogenase Evaluated through Bioelectrochemical Flow Injection Amperometry. *ChemElectroChem*, **2019**, 6, 801-809	4.3	3
18	Engineering of Class II Cellobiose Dehydrogenases for Improved Glucose Sensitivity and Reduced Maltose Affinity. *ChemElectroChem*, **2017**, 4, 750-750	4.3	2
17	A novel starch-binding laccase from the wheat pathogen Zymoseptoria tritici highlights the functional diversity of ascomycete laccases. *BMC Biotechnology*, **2019**, 19, 61	3.5	2
16	Indirect, non-competitive amperometric immunoassay for accurate quantification of calpastatin, a meat tenderness marker, in bovine muscle. *Food Chemistry*, **2012**, 133, 598-603	8.5	2
15	Determination of reducing ends with flow injection analysis with amperometric detection: application to enzyme-hydrolysed methyl cellulose. *Analytical and Bioanalytical Chemistry*, **2007**, 387, 2585-93	4.4	2
14	Current Trends in Development of Photosynthetic Bioelectrochemical Systems for Light Energy Conversion. *ACS Symposium Series*, **2020**, 123-146	0.4	2
13	Electro-mechanically switchable hydrocarbons based on [8]annulenes.. *Nature Communications*, **2022**, 13, 860	17.4	2
12	Impedimetric melanoma invasion assay device using a simple paper membrane and stencil-printed electrode on PMMA substrate. *Sensing and Bio-Sensing Research*, **2020**, 29, 100354	3.3	1
11	Photo-Biosupercapacitors: Supercapacitive Photo-Bioanodes and Biosolar Cells: A Novel Approach for Solar Energy Harnessing (Adv. Energy Mater. 12/2017). *Advanced Energy Materials*, **2017**, 7,	21.8	1
10	Enzyme Film Electrochemistry **2015**, 105-119		1
9	Use of a Thermophile Desiccation-Tolerant Cyanobacterial Culture and Os Redox Polymer for the Preparation of Photocurrent Producing Anodes. *Frontiers in Bioengineering and Biotechnology*, **2020** , 8, 900	5.8	1

8	Supercapacitive biofuel cells. *Current Opinion in Biotechnology*, **2021**, 73, 179-187	11.4	1
7	Highly Sensitive Hydrogen Peroxide Biosensor Based on Tobacco Peroxidase Immobilized on p-Phenylenediamine Diazonium Cation Grafted Carbon Nanotubes: Preventing Fenton-like Inactivation at Negative Potential. *ChemElectroChem*, **2021**, 8, 2495-2504	4.3	0
6	Cellobiose dehydrogenase hosted in lipidic cubic phase to improve catalytic activity and stability. *Bioelectrochemistry*, **2019**, 125, 134-141	5.6	0
5	Direct Electron Transfer of Cellobiose Dehydrogenase on Positively Charged Polyethyleneimine Gold Nanoparticles. *ChemPlusChem*, **2017**, 82, 510	2.8	
4	Enzymatic Fuel Cells. *Advances in Electrochemical Science and Engineering*, **2012**, 229-267		
3	Development of amperometric immunoassays (AIAs) for calpastatin and □calpain with possible applications in the biomedical field. *Sensors and Actuators B: Chemical*, **2011**, 152, 248-253	8.5	
2	Electrochemical Investigation of Cellobiose Oxidation by Cellobiose Oxidase in Presence of Cytochrome c as Mediator. *Biochemical Society Transactions*, **2000**, 28, A20-A20	5.1	
1	Employment of Quinohemoprotein Alcoholdehydrogenase from Gluconobacter sp. 33 Entrapped into Polypyrrole Film for Creation of Reagentless Alcohol Biosensor. *Biochemical Society Transactions*, **1999**, 27, A52-A52	5.1	