

Donal Leech

List of Publications by Year in descending order

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papers

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46918

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#	ARTICLE	IF	CITATIONS
1	An Oxygen Insensitive Amperometric Glucose Biosensor Based on An Engineered Cellobiose Dehydrogenase: Direct versus Mediated Electron Transfer Responses. <i>ChemElectroChem</i> , 2022, 9, .	1.7	11
2	Electrochemical glucose biosensor based on an osmium redox polymer and glucose oxidase grafted to carbon nanotubes: A design-of-experiments optimisation of current density and stability. <i>Electrochimica Acta</i> , 2021, 371, 137845.	2.6	23
3	Self-Powered Detection of Glucose by Enzymatic Glucose/Oxygen Fuel Cells on Printed Circuit Boards. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26704-26711.	4.0	15
4	Electroactive biofilms on surface functionalized anodes: The anode respiring behavior of a novel electroactive bacterium, <i>Desulfuromonas acetexigens</i> . <i>Water Research</i> , 2020, 185, 116284.	5.3	36
5	Antimicrobial enzymatic biofuel cells. <i>Chemical Communications</i> , 2020, 56, 15589-15592.	2.2	9
6	An oxygen-reducing biocathode with "oxygen tanks". <i>Chemical Communications</i> , 2020, 56, 9767-9770.	2.2	9
7	Use of a Thermophile Desiccation-Tolerant Cyanobacterial Culture and Os Redox Polymer for the Preparation of Photocurrent Producing Anodes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 900.	2.0	7
8	Aqueous-Eutectic-in-Salt Electrolytes for High-Energy-Density Supercapacitors with an Operational Temperature Window of 100 Å°C, from -35 to +65 Å°C. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29181-29193.	4.0	10
9	Improved operational stability of mediated glucose enzyme electrodes for operation in human physiological solutions. <i>Bioelectrochemistry</i> , 2020, 133, 107460.	2.4	21
10	Glucose oxidation by enzyme electrodes using genipin to crosslink chitosan, glucose oxidase and amine-containing osmium redox complexes. <i>Electrochemistry Communications</i> , 2020, 113, 106703.	2.3	10
11	Electron Transfer between the Gram-Positive <i>Enterococcus faecalis</i> Bacterium and Electrode Surface through Osmium Redox Polymers. <i>ChemElectroChem</i> , 2019, 6, 110-113.	1.7	10
12	The influence of surface composition of carbon nanotubes on the photobioelectrochemical activity of thylakoid bioanodes mediated by osmium-complex modified redox polymer. <i>Electrochimica Acta</i> , 2019, 310, 20-25.	2.6	21
13	Increasing Redox Potential, Redox Mediator Activity, and Stability in a Fungal Laccase by Computer-Guided Mutagenesis and Directed Evolution. <i>ACS Catalysis</i> , 2019, 9, 4561-4572.	5.5	96
14	Glucose biosensor based on open-source wireless microfluidic potentiostat. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 616-624.	4.0	32
15	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. <i>Electrochimica Acta</i> , 2019, 302, 270-276.	2.6	18
16	Use of Polymer Coatings to Enhance the Response of Redox-Polymer-Mediated Electrodes. <i>ChemElectroChem</i> , 2019, 6, 1344-1349.	1.7	16
17	Multiplexed Electrochemical Cancer Diagnostics With Automated Microfluidics. <i>Electroanalysis</i> , 2019, 31, 208-211.	1.5	13
18	Substrate Preference Pattern of <i>Agaricus meleagris</i> Pyranose Dehydrogenase Evaluated through Bioelectrochemical Flow Injection Amperometry. <i>ChemElectroChem</i> , 2019, 6, 801-809.	1.7	7

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19	Amperometric Flow Injection Analysis of Glucose and Galactose Based on Engineered Pyranose Oxidases and Osmium Polymers for Biosensor Applications. <i>Electroanalysis</i> , 2018, 30, 1496-1504.	1.5	16
20	Nanoporous Gold-Based Biofuel Cells on Contact Lenses. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7107-7116.	4.0	102
21	Highly sensitive, stable and selective hydrogen peroxide amperometric biosensors based on peroxidases from different sources wired by Os-polymer: A comparative study. <i>Solid State Ionics</i> , 2018, 314, 178-186.	1.3	23
22	Design of Experiments Approach to Provide Enhanced Glucose Oxidising Enzyme Electrode for Membraneless Enzymatic Fuel Cells Operating in Human Physiological Fluids. <i>Electroanalysis</i> , 2018, 30, 1438-1445.	1.5	8
23	Sunlight photocurrent generation from thylakoid membranes on gold nanoparticle modified screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 816, 259-264.	1.9	27
24	Micropatterned Carbon-on-Quartz Electrode Chips for Photocurrent Generation from Thylakoid Membranes. <i>ACS Applied Energy Materials</i> , 2018, 1, 3313-3322.	2.5	16
25	Extracellular Electron Transfer by the Gram-Positive Bacterium <i>Enterococcus faecalis</i> . <i>Biochemistry</i> , 2018, 57, 4597-4603.	1.2	89
26	Cost-Effective Wireless Microcontroller for Internet Connectivity of Open-Source Chemical Devices. <i>Journal of Chemical Education</i> , 2018, 95, 1221-1225.	1.1	12
27	COMPARISON OF PERFORMANCE OF AN EARTHEN PLATE AND NAFION AS MEMBRANE SEPARATORS IN DUAL CHAMBER MICROBIAL FUEL CELLS. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 451-458.	0.2	3
28	A BRIEF REVIEW ON RECENT ADVANCES IN AIR-CATHODE MICROBIAL FUEL CELLS. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 1531-1544.	0.2	11
29	Evaluation of Photocurrent Generation from Different Photosynthetic Organisms. <i>ChemElectroChem</i> , 2017, 4, 412-417.	1.7	38
30	Development of an Osmium Redox Polymer Mediated Bioanode and Examination of its Performance in <i>Gluconobacter oxydans</i> Based Microbial Fuel Cell. <i>Electroanalysis</i> , 2017, 29, 1651-1657.	1.5	19
31	Supercapacitive Photo-Bioanodes and Biosolar Cells: A Novel Approach for Solar Energy Harnessing. <i>Advanced Energy Materials</i> , 2017, 7, 1602285.	10.2	53
32	Bioelectrochemical Haber-Bosch Process: An Ammonia-Producing H ₂ /N ₂ Fuel Cell. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2680-2683.	7.2	218
33	Bioelectrochemical Haber-Bosch Process: An Ammonia-Producing H ₂ /N ₂ Fuel Cell. <i>Angewandte Chemie</i> , 2017, 129, 2724-2727.	1.6	27
34	The ins and outs of microorganism-electrode electron transfer reactions. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	385
35	Inexpensive Miniature Programmable Magnetic Stirrer from Reconfigured Computer Parts. <i>Journal of Chemical Education</i> , 2017, 94, 816-818.	1.1	13
36	The In Vivo Potential-Regulated Protective Protein of Nitrogenase in <i>Azotobacter vinelandii</i> Supports Aerobic Bioelectrochemical Dinitrogen Reduction In Vitro. <i>Journal of the American Chemical Society</i> , 2017, 139, 9044-9052.	6.6	36

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37	Analysis of <i>Agaricus meleagris</i> pyranose dehydrogenase N-glycosylation sites and performance of partially non-glycosylated enzymes. <i>Enzyme and Microbial Technology</i> , 2017, 99, 57-66.	1.6	6
38	Electrochemical wiring of the Gram-positive bacterium <i>Enterococcus faecalis</i> with osmium redox polymer modified electrodes. <i>Electrochemistry Communications</i> , 2017, 75, 56-59.	2.3	29
39	Redox-Polymers Enable Uninterrupted Day/Night Photo-Driven Electricity Generation in Biophotovoltaic Devices. <i>Journal of the Electrochemical Society</i> , 2017, 164, H3037-H3040.	1.3	13
40	An oxygen-independent and membrane-less glucose biobattery/supercapacitor hybrid device. <i>Biosensors and Bioelectronics</i> , 2017, 98, 421-427.	5.3	39
41	Photo-Biosupercapacitors: Supercapacitive Photo-Bioanodes and Biosolar Cells: A Novel Approach for Solar Energy Harnessing (<i>Adv. Energy Mater.</i> 12/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	1
42	A symmetric supercapacitor/biofuel cell hybrid device based on enzyme-modified nanoporous gold: An autonomous pulse generator. <i>Biosensors and Bioelectronics</i> , 2017, 90, 96-102.	5.3	75
43	Paper-based microfluidic biofuel cell operating under glucose concentrations within physiological range. <i>Biosensors and Bioelectronics</i> , 2017, 90, 475-480.	5.3	53
44	Wiring of Photosystem-II and Hydrogenase on an Electrode for Photoelectrochemical H ₂ Production by using Redox Polymers for Relatively Positive Onset Potential. <i>ChemElectroChem</i> , 2017, 4, 90-95.	1.7	53
45	Development of a Bioanode for Microbial Fuel Cells Based on the Combination of a MWCNT-Au-Pt Hybrid Nanomaterial, an Osmium Redox Polymer and <i>Gluconobacter oxydans</i> DSM 2343 Cells. <i>ChemistrySelect</i> , 2017, 2, 12034-12040.	0.7	16
46	Special Issue in Honor of Wolfgang Schuhmann. <i>Electroanalysis</i> , 2016, 28, 2254-2255.	1.5	0
47	Comparative Proteomics Implicates a Role for Multiple Secretion Systems in Electrode-Respiring <i>Geobacter sulfurreducens</i> Biofilms. <i>Journal of Proteome Research</i> , 2016, 15, 4135-4145.	1.8	12
48	Nitrogenase bioelectrocatalysis: heterogeneous ammonia and hydrogen production by MoFe protein. <i>Energy and Environmental Science</i> , 2016, 9, 2550-2554.	15.6	187
49	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. <i>Analytical Chemistry</i> , 2016, 88, 2156-2163.	3.2	59
50	Photoelectrochemical Wiring of <i>Paulschulzia pseudovolvox</i> (Algae) to Osmium Polymer Modified Electrodes for Harnessing Solar Energy. <i>Advanced Energy Materials</i> , 2015, 5, 1501100.	10.2	63
51	Electrochemical Communication Between Electrodes and <i>Rhodobacter capsulatus</i> Grown in Different Metabolic Modes. <i>Electroanalysis</i> , 2015, 27, 118-127.	1.5	42
52	Engineering of pyranose dehydrogenase for application to enzymatic anodes in biofuel cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9074-9081.	1.3	20
53	A glucose anode for enzymatic fuel cells optimized for current production under physiological conditions using a design of experiment approach. <i>Bioelectrochemistry</i> , 2015, 106, 41-46.	2.4	16
54	Photocurrent Generation from Thylakoid Membranes on Osmium-Redox-Polymer-Modified Electrodes. <i>ChemSusChem</i> , 2015, 8, 990-993.	3.6	60

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55	Glucose oxidation by osmium redox polymer mediated enzyme electrodes operating at low potential and in oxygen, for application to enzymatic fuel cells. <i>Electrochimica Acta</i> , 2015, 182, 320-326.	2.6	22
56	Self-Powered Wireless Carbohydrate/Oxygen Sensitive Biodevice Based on Radio Signal Transmission. <i>PLoS ONE</i> , 2014, 9, e109104.	1.1	62
57	Coupling of Amine-Containing Osmium Complexes and Glucose Oxidase with Carboxylic Acid Polymer and Carbon Nanotube Matrix to Provide Enzyme Electrodes for Glucose Oxidation. <i>Journal of the Electrochemical Society</i> , 2014, 161, H3005-H3010.	1.3	12
58	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. <i>ChemElectroChem</i> , 2014, 1, 1988-1993.	1.7	25
59	Effect of deglycosylation on the mediated electrocatalytic activity of recombinantly expressed <i>Agaricus meleagris</i> pyranose dehydrogenase wired by osmium redox polymer. <i>Electrochimica Acta</i> , 2014, 126, 61-67.	2.6	13
60	Immobilisation of Alkylamine-Functionalised Osmium Redox Complex on Glassy Carbon using Electrochemical Oxidation. <i>Electrochimica Acta</i> , 2014, 140, 209-216.	2.6	8
61	Composite Material Based on Macroporous Polyaniline and Osmium Redox Complex for Biosensor Development. <i>Electroanalysis</i> , 2014, 26, 1623-1630.	1.5	10
62	Charge transport in films of <i>Geobacter sulfurreducens</i> on graphite electrodes as a function of film thickness. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9039-9046.	1.3	56
63	Photo-electrochemical communication between cyanobacteria (<i>Leptolyngbia</i> sp.) and osmium redox polymer modified electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24676-24680.	1.3	79
64	Mediated glucose enzyme electrodes by cross-linking films of osmium redox complexes and glucose oxidase on electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3807-3812.	1.9	23
65	Mediated electron transfer of cellobiose dehydrogenase and glucose oxidase at osmium polymer-modified nanoporous gold electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3823-3830.	1.9	32
66	Arylamine functionalization of carbon anodes for improved microbial electrocatalysis. <i>RSC Advances</i> , 2013, 3, 18759.	1.7	11
67	Further Insights into the Catalytic Properties of Deglycosylated Pyranose Dehydrogenase from <i>Agaricus meleagris</i> Recombinantly Expressed in <i>Pichia pastoris</i> . <i>Analytical Chemistry</i> , 2013, 85, 9852-9858.	3.2	16
68	Tethering Osmium Complexes within Enzyme Films on Electrodes to Provide a Fully Enzymatic Membrane-Less Glucose/Oxygen Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2013, 160, G3165-G3170.	1.3	23
69	Comparison of Glucose Oxidation by Crosslinked Redox Polymer Enzyme Electrodes Containing Carbon Nanotubes and a Range of Glucose Oxidising Enzymes. <i>Electroanalysis</i> , 2013, 25, 94-100.	1.5	20
70	Catalytic response of microbial biofilms grown under fixed anode potentials depends on electrochemical cell configuration. <i>Chemical Engineering Journal</i> , 2013, 230, 532-536.	6.6	36
71	Coupling osmium complexes to epoxy-functionalised polymers to provide mediated enzyme electrodes for glucose oxidation. <i>Biosensors and Bioelectronics</i> , 2013, 43, 30-37.	5.3	36
72	Mediated electron transfer in glucose oxidising enzyme electrodes for application to biofuel cells: recent progress and perspectives. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4859.	1.3	107

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73	Optimization of a Membraneless Glucose/Oxygen Enzymatic Fuel Cell Based on a Bioanode with High Coulombic Efficiency and Current Density. <i>ChemPhysChem</i> , 2013, 14, 2260-2269.	1.0	46
74	Membraneless Glucose/Oxygen Enzymatic Fuel Cells Using Redox Hydrogel Films Containing Carbon Nanotubes. <i>ChemPhysChem</i> , 2013, 14, 2302-2307.	1.0	29
75	Electrochemical communication between heterotrophically grown <i>Rhodobacter capsulatus</i> with electrodes mediated by an osmium redox polymer. <i>Bioelectrochemistry</i> , 2013, 93, 30-36.	2.4	46
76	Does bioelectrochemical cell configuration and anode potential affect biofilm response?. <i>Biochemical Society Transactions</i> , 2012, 40, 1308-1314.	1.6	27
77	Electrochemical communication between microbial cells and electrodes via osmium redox systems. <i>Biochemical Society Transactions</i> , 2012, 40, 1330-1335.	1.6	44
78	Enzymatic fuel cells: Recent progress. <i>Electrochimica Acta</i> , 2012, 84, 223-234.	2.6	400
79	Improved microbial electrocatalysis with osmium polymer modified electrodes. <i>Chemical Communications</i> , 2012, 48, 10183.	2.2	41
80	Electron-Transfer Studies with a New Flavin Adenine Dinucleotide Dependent Glucose Dehydrogenase and Osmium Polymers of Different Redox Potentials. <i>Analytical Chemistry</i> , 2012, 84, 334-341.	3.2	86
81	Recombinant pyranose dehydrogenase—A versatile enzyme possessing both mediated and direct electron transfer. <i>Electrochemistry Communications</i> , 2012, 24, 120-122.	2.3	29
82	A glucose/oxygen enzymatic fuel cell based on redox polymer and enzyme immobilisation at highly-ordered macroporous gold electrodes. <i>Analyst</i> , 2012, 137, 113-117.	1.7	31
83	Characterization of Nanoporous Gold Electrodes for Bioelectrochemical Applications. <i>Langmuir</i> , 2012, 28, 2251-2261.	1.6	96
84	A comparison of glucose oxidase and aldose dehydrogenase as mediated anodes in printed glucose/oxygen enzymatic fuel cells using ABTS/laccase cathodes. <i>Bioelectrochemistry</i> , 2012, 87, 172-177.	2.4	42
85	Microbial analysis of anodic biofilm in a microbial fuel cell using slaughterhouse wastewater. <i>Bioelectrochemistry</i> , 2012, 87, 164-171.	2.4	99
86	Crosslinked redox polymer enzyme electrodes containing carbon nanotubes for high and stable glucose oxidation current. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14667.	1.3	36
87	Charge Transport through <i>Geobacter sulfurreducens</i> Biofilms Grown on Graphite Rods. <i>Langmuir</i> , 2012, 28, 7904-7913.	1.6	62
88	A mediated glucose/oxygen enzymatic fuel cell based on printed carbon inks containing aldose dehydrogenase and laccase as anode and cathode. <i>Enzyme and Microbial Technology</i> , 2012, 50, 181-187.	1.6	32
89	Acetic anhydride mediated condensation of aromatic o-diacid dichlorides with benzimidazoles to provide electro-reducible p-dione adducts. <i>Tetrahedron Letters</i> , 2012, 53, 3788-3791.	0.7	4
90	Characterization of different FAD-dependent glucose dehydrogenases for possible use in glucose-based biosensors and biofuel cells. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2069-2077.	1.9	107

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91	Three-dimensional microchannelled electrodes in flow-through configuration for bioanode formation and current generation. <i>Energy and Environmental Science</i> , 2011, 4, 4201.	15.6	112
92	A membrane-less enzymatic fuel cell with layer-by-layer assembly of redox polymer and enzyme over graphite electrodes. <i>Chemical Communications</i> , 2011, 47, 11861.	2.2	29
93	A comparison of redox polymer and enzyme co-immobilization on carbon electrodes to provide membrane-less glucose/O ₂ enzymatic fuel cells with improved power output and stability. <i>Biosensors and Bioelectronics</i> , 2011, 30, 294-299.	5.3	56
94	Oxygen Electroreduction Catalyzed by Bilirubin Oxidase Does Not Release Hydrogen Peroxide. <i>Electrocatalysis</i> , 2011, 2, 268-272.	1.5	9
95	Electron transfer from <i>Proteus vulgaris</i> to a covalently assembled, single walled carbon nanotube electrode functionalised with osmium bipyridine complex: Application to a whole cell biosensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2383-2389.	5.3	37
96	Diazonium salt derivatives of osmium bipyridine complexes: Electrochemical grafting and characterisation of modified surfaces. <i>Electrochimica Acta</i> , 2011, 56, 2213-2220.	2.6	21
97	Electricity generation in single-chamber microbial fuel cells using a carbon source sampled from anaerobic reactors utilizing grass silage. <i>Bioresource Technology</i> , 2011, 102, 404-410.	4.8	29
98	Generation of electricity in microbial fuel cells at sub-ambient temperatures. <i>Journal of Power Sources</i> , 2011, 196, 2676-2681.	4.0	32
99	Wiring of pyranose dehydrogenase with osmium polymers of different redox potentials. <i>Bioelectrochemistry</i> , 2010, 80, 38-42.	2.4	60
100	Substantial Influence of Temperature on Anchoring of Gold Nanoparticle Monolayer for Performance of DNA Biosensors. <i>Electroanalysis</i> , 2010, 22, 2323-2329.	1.5	5
101	An enzyme-amplified amperometric DNA hybridisation assay using DNA immobilised in a carboxymethylated dextran film anchored to a graphite surface. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1037-1042.	5.3	27
102	Preparation and reactivity of carboxylic acid-terminated boron-doped diamond electrodes. <i>Electrochimica Acta</i> , 2010, 55, 959-964.	2.6	5
103	Thiol functionalisation of gold-coated magnetic nanoparticles: Enabling the controlled attachment of functional molecules. , 2010, , .		3
104	<i>Geobacter sulfurreducens</i> biofilms developed under different growth conditions on glassy carbon electrodes: insights using cyclic voltammetry. <i>Chemical Communications</i> , 2010, 46, 4758.	2.2	160
105	Enzyme-Amplified Amperometric Detection of DNA Using Redox Mediating Films on Gold Microelectrodes. <i>Electroanalysis</i> , 2009, 21, 342-350.	1.5	15
106	Performance of a Glucose/O ₂ Enzymatic Biofuel Cell Containing a Mediated <i>Melanocarpus albomyces</i> Laccase Cathode in a Physiological Buffer. <i>Fuel Cells</i> , 2009, 9, 79-84.	1.5	63
107	Evaluation of performance and stability of biocatalytic redox films constructed with different copper oxygenases and osmium-based redox polymers. <i>Bioelectrochemistry</i> , 2009, 76, 162-168.	2.4	45
108	Biocatalytic fuel cells: A comparison of surface pre-treatments for anchoring biocatalytic redox films on electrode surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2009, 626, 111-115.	1.9	26

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109	Biocatalytic anode for glucose oxidation utilizing carbon nanotubes for direct electron transfer with glucose oxidase. <i>Electrochemistry Communications</i> , 2009, 11, 2004-2007.	2.3	46
110	A stability comparison of redox-active layers produced by chemical coupling of an osmium redox complex to pre-functionalized gold and carbon electrodes. <i>Electrochimica Acta</i> , 2009, 54, 1986-1991.	2.6	28
111	Electroreduction of O ₂ at a mediated <i>Melanocarpus albomyces</i> laccase cathode in a physiological buffer. <i>Electrochemistry Communications</i> , 2008, 10, 970-972.	2.3	41
112	Improved stability of redox enzyme layers on glassy carbon electrodes via covalent grafting. <i>Electrochemistry Communications</i> , 2008, 10, 835-838.	2.3	65
113	Designing Stable Redox-Active Surfaces: Chemical Attachment of an Osmium Complex to Glassy Carbon Electrodes Prefunctionalized by Electrochemical Reduction of an <i>In Situ</i> -Generated Aryldiazonium Cation. <i>Langmuir</i> , 2008, 24, 6351-6358.	1.6	77
114	Mediated Enzyme Electrodes for Biological Fuel Cell and Biosensor Applications. <i>ECS Transactions</i> , 2008, 13, 77-87.	0.3	17
115	Powering fuel cells through biocatalysis. , 2008, , 385-410.		3
116	Synthesis by Radical Cyclization and Cytotoxicity of Highly Potent Bioreductive Alicyclic Ring Fused [1,2-a]Benzimidazolequinones. <i>Chemistry - A European Journal</i> , 2007, 13, 3218-3226.	1.7	52
117	Redox Polymer and Probe DNA Tethered to Gold Electrodes for Enzyme-Amplified Amperometric Detection of DNA Hybridization. <i>Analytical Chemistry</i> , 2006, 78, 2710-2716.	3.2	95
118	A laccase-glucose oxidase biofuel cell prototype operating in a physiological buffer. <i>Electrochimica Acta</i> , 2006, 51, 5187-5192.	2.6	195
119	Mobile Voltammetric Laboratory for Ship-Board and Shore-Based Analyses of Dissolved Copper. <i>Environmental Chemistry</i> , 2006, 3, 450.	0.7	1
120	Amperometric Detection of Catecholamine Neurotransmitters Using Electrocatalytic Substrate Recycling at a Laccase Electrode. <i>Electroanalysis</i> , 2005, 17, 113-119.	1.5	53
121	Synthesis of Benzimidazolequinone Analogue of Cyclopropamitosene Antitumor Agents. <i>Synlett</i> , 2004, 2382-2384.	1.0	1
122	Targetting redox polymers as mediators for laccase oxygen reduction in a membrane-less biofuel cell. <i>Electrochemistry Communications</i> , 2004, 6, 237-241.	2.3	150
123	Improved synthesis of 4,4'-diamino-2,2'-bipyridine from 4,4'-dinitro-2,2'-bipyridine-N,N'-dioxide. <i>Tetrahedron Letters</i> , 2004, 45, 121-123.	0.7	33
124	A Voltammetric Assay of Antioxidants and Inhibitors of Soybean Lipoxygenase. <i>Electroanalysis</i> , 2003, 15, 573-578.	1.5	4
125	Application of Colloidal Gold in Protein Immobilization, Electron Transfer, and Biosensing. <i>Analytical Letters</i> , 2003, 36, 1-19.	1.0	178
126	Oxidation of lignin model compounds by organic and transition metal-based electron transfer mediators. <i>Chemical Communications</i> , 2002, , 1182-1183.	2.2	39

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127	Electrochemical determination of electroinactive guests of β -cyclodextrin at a self-assembled monolayer interface. <i>Science in China Series B: Chemistry</i> , 2002, 45, 46.	0.8	3
128	Characterisation of an antibody coated microcantilever as a potential immuno-based biosensor. <i>Biosensors and Bioelectronics</i> , 2002, 17, 201-207.	5.3	116
129	Electrochemical study of a metallothionein modified gold disk electrode and its action on Hg ²⁺ cations. <i>Journal of Electroanalytical Chemistry</i> , 2000, 484, 150-156.	1.9	74
130	Amperometric determination of epinephrine with an osmium complex and Nafion double-layer membrane modified electrode. <i>Analytica Chimica Acta</i> , 1999, 378, 151-157.	2.6	116
131	Adsorption and Desorption of Electroactive Self-Assembled Thiolate Monolayers on Gold. <i>Langmuir</i> , 1999, 15, 8170-8177.	1.6	28
132	Effect of electrolytes on the electrochemical behaviour of 11-(ferrocenylcarbonyloxy)undecanethiol SAMs on gold disk electrodes. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 1549-1554.	1.3	89
133	Electrocatalytic Oxidation and Determination of Dopamine at Redox Polymer/Nafion Modified Electrodes. <i>Analytical Letters</i> , 1999, 32, 2951-2964.	1.0	23
134	Electrochemical analysis of the interactions of laccase mediators with lignin model compounds. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998, 1379, 381-390.	1.1	402
135	Mediated reagentless enzyme inhibition electrodes. <i>Biosensors and Bioelectronics</i> , 1998, 13, 417-425.	5.3	36
136	[Os(bpy) ₂ (PVP) ₁₀ Cl]Cl polymer and Nafion dual-film modified graphite electrode for the amperometric determination of trace amounts of norepinephrine. <i>Analyst, The</i> , 1998, 123, 2895-2898.	1.7	17
137	Optimisation of a reagentless laccase electrode for the detection of the inhibitor azide. <i>Analyst, The</i> , 1998, 123, 1971-1974.	1.7	53
138	Host-Guest Interaction at a Self-Assembled Monolayer/Solution Interface: An Electrochemical Analysis of the Inclusion of 11-(Ferrocenylcarbonyloxy)undecanethiol by Cyclodextrins. <i>Langmuir</i> , 1998, 14, 300-306.	1.6	52
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