

Paul Kavanagh

List of Publications by Year in descending order

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39
papers

2,291
citations

279798

23
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276875

41
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43
docs citations

43
times ranked

2567
citing authors

#	ARTICLE	IF	CITATIONS
1	Taming Tris(bipyridine)ruthenium(II) and Its Reactions in Water by Capture/Release with Shape-Switchable Symmetry-Matched Cyclophanes. <i>Journal of the American Chemical Society</i> , 2022, 144, 4977-4988.	13.7	12
2	On the use of surface-confined molecular catalysts in fuel cell development. <i>Current Opinion in Electrochemistry</i> , 2021, 29, 100765.	4.8	1
3	Electroactivity of PIPO nitroxide radical polymer films. <i>Electrochimica Acta</i> , 2021, 392, 139044.	5.2	3
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.	11.3	36
5	Preparation of Cytocompatible ITO Neuroelectrodes with Enhanced Electrochemical Characteristics Using a Facile Anodic Oxidation Process. <i>Advanced Functional Materials</i> , 2018, 28, 1605035.	14.9	16
6	The ins and outs of microorganismâ€™electrode electron transfer reactions. <i>Nature Reviews Chemistry</i> , 2017, 1, .	30.2	385
7	The mechanism of aquaporin inhibition by gold compounds elucidated by biophysical and computational methods. <i>Chemical Communications</i> , 2017, 53, 3830-3833.	4.1	50
8	DNA binding, cleavage and cytotoxicity of a novel dimetallic Fe(III) triaza-cyclononane complex. <i>Inorganica Chimica Acta</i> , 2016, 452, 170-175.	2.4	4
9	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.	3.7	12
10	Discovery of anti-cancer activity for benzo[1,2,4]triazin-7-ones: Very strong correlation to pleurotin and thioredoxin reductase inhibition. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3565-3570.	3.0	20
11	New Luminescent Polynuclear Metal Complexes with Anticancer Properties: Toward Structureâ€™Activity Relationships. <i>Inorganic Chemistry</i> , 2016, 55, 2544-2557.	4.0	69
12	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.	5.2	22
13	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.	2.8	56
14	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.	3.7	23
15	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.	2.9	23
16	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.	2.9	20
17	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.	2.8	107
18	Membraneless Glucose/Oxygen Enzymatic Fuel Cells Using Redox Hydrogel Films Containing Carbon Nanotubes. <i>ChemPhysChem</i> , 2013, 14, 2302-2307.	2.1	29

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19	Enzymatic fuel cells: Recent progress. <i>Electrochimica Acta</i> , 2012, 84, 223-234.	5.2	400
20	Crosslinked redox polymer enzyme electrodes containing carbon nanotubes for high and stable glucose oxidation current. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14667.	2.8	36
21	Charge Transport through <i>Geobacter sulfurreducens</i> Biofilms Grown on Graphite Rods. <i>Langmuir</i> , 2012, 28, 7904-7913.	3.5	62
22	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.	1.4	4
23	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.	4.1	29
24	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.	10.1	56
25	Oxygen Electroreduction Catalyzed by Bilirubin Oxidase Does Not Release Hydrogen Peroxide. <i>Electrocatalysis</i> , 2011, 2, 268-272.	3.0	9
26	Generation of electricity in microbial fuel cells at sub-ambient temperatures. <i>Journal of Power Sources</i> , 2011, 196, 2676-2681.	7.8	32
27	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.	10.1	27
28	<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.	4.1	160
29	Enzyme-Amplified Amperometric Detection of DNA Using Redox Mediating Films on Gold Microelectrodes. <i>Electroanalysis</i> , 2009, 21, 342-350.	2.9	15
30	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.	2.4	63
31	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.	4.6	45
32	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.	3.8	26
33	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.	4.7	41
34	Mediated Enzyme Electrodes for Biological Fuel Cell and Biosensor Applications. <i>ECS Transactions</i> , 2008, 13, 77-87.	0.5	17
35	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.	3.3	52
36	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.	6.5	95

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37	A laccase-glucose oxidase biofuel cell prototype operating in a physiological buffer. <i>Electrochimica Acta</i> , 2006, 51, 5187-5192.	5.2	195
38	Synthesis of Benzimidazolequinone Analogue of Cyclopropamitosene Antitumor Agents. <i>Synlett</i> , 2004, 2004, 2382-2384.	1.8	1
39	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.	1.4	33