Leonard Stoica

List of Publications by Year
in descending order

27 papers	1,199 citations	430442 18 h-index	552369 26 g-index
27 all docs	27 docs citations	27 times ranked	1325 citing authors

#	Article	IF	Citations
1	Self-Powered Wireless Carbohydrate/Oxygen Sensitive Biodevice Based on Radio Signal Transmission. PLoS ONE, 2014, 9, e109104.	1.1	62
2	Cellobiose dehydrogenase entrapped within specifically designed Os-complex modified electrodeposition polymers as potential anodes for biofuel cells. Electrochimica Acta, 2014, 128, 318-325.	2.6	10
3	Mass transport controlled oxygen reduction at anthraquinone modified 3D-CNT electrodes with immobilized Trametes hirsuta laccase. Physical Chemistry Chemical Physics, 2012, 14, 11882.	1.3	41
4	Enhanced direct electron transfer between laccase and hierarchical carbon microfibers/carbon nanotubes composite electrodes. Comparison of three enzyme immobilization methods. Electrochimica Acta, 2012, 82, 218-223.	2.6	79
5	Glucose Oxidase/Horseradish Peroxidase Coâ€immobilized at a CNTâ€Modified Graphite Electrode: Towards Potentially Implantable Biocathodes. Chemistry - A European Journal, 2012, 18, 2783-2786.	1.7	42
6	Activation/Inhibition Effects during the Coelectrodeposition of PtAg Nanoparticles: Application for ORR in Alkaline Media. ChemPhysChem, 2011, 12, 1741-1746.	1.0	11
7	Patterned CNT Arrays for the Evaluation of Oxygen Reduction Activity by SECM. ChemPhysChem, 2010, 11, 74-78.	1.0	18
8	A biotinylated intercalator for selective post-labeling of double-stranded DNA as a basis for high-sensitive DNA assays. Electrochemistry Communications, 2010, 12, 684-688.	2.3	14
9	Towards a high potential biocathode based on direct bioelectrochemistry between horseradish peroxidase and hierarchically structured carbon nanotubes. Physical Chemistry Chemical Physics, 2010, 12, 10088.	1.3	39
10	Local Modulation of the Redox State of pâ€Nitrothiophenol Selfâ€Assembled Monolayers Using the Direct Mode of Scanning Electrochemical Microscopy. ChemPhysChem, 2009, 10, 1066-1070.	1.0	20
11	Labelâ€Free Detection of DNA Hybridization in Presence of Intercalators Using Electrochemical Impedance Spectroscopy. Electroanalysis, 2009, 21, 325-331.	1.5	71
12	Advanced design of electron-transfer pathways across biomolecular interfaces, dedicated to Professor Lo Gorton. Editorial. Bioelectrochemistry, 2009, 76, 1.	2.4	2
13	Bioelectrochemical detection of L-lactate respiration using genetically modified Hansenula polymorpha yeast cells overexpressing flavocytochrome b2. Bioelectrochemistry, 2009, 76, 175-179.	2.4	21
14	Electrochemical evidence of self-substrate inhibition as functions regulation for cellobiose dehydrogenase from Phanerochaete chrysosporium. Bioelectrochemistry, 2009, 76, 42-52.	2.4	9
15	Redox-amplified biosensors based on selective modification of nanopore electrode structures with enzymes entrapped within electrodeposition paints. Mikrochimica Acta, 2008, 163, 33-40.	2.5	16
16	Scanning Electrochemical Microscopy (SECM) as aÂTool in Biosensor Research. , 2008, 109, 455-492.		19
17	Pulsed electrodeposition of Pt nanoclusters on carbon nanotubes modified carbon materials using diffusion restricting viscous electrolytes. Electrochemistry Communications, 2007, 9, 1348-1354.	2.3	86
18	Visualisation of the local bio-electrocatalytic activity in biofuel cell cathodes by means of redox competition scanning electrochemical microscopy (RC-SECM). Electrochemistry Communications, 2007, 9, 1998-2002.	2.3	59

#	Article	IF	Citations
19	Direct Electron TransferA Favorite Electron Route for Cellobiose Dehydrogenase (CDH) from Trametes villosa. Comparison with CDH from Phanerochaete chrysosporium. Langmuir, 2006, 22, 10801-10806.	1.6	56
20	Third-Generation Biosensor for Lactose Based on Newly Discovered Cellobiose Dehydrogenase. Analytical Chemistry, 2006, 78, 393-398.	3.2	119
21	Direct Electrochemistry of Proteins and Enzymes. Perspectives in Bioanalysis, 2005, , 517-598.	0.3	50
22	Electrochemical investigation of cellobiose dehydrogenase from new fungal sources on Au electrodes. Biosensors and Bioelectronics, 2005, 20, 2010-2018.	5.3	50
23	Direct Electron Transfer Between Ligninolytic Redox Enzymes and Electrodes. Electroanalysis, 2004, 16, 1074-1092.	1.5	131
24	Biosensor Based on Cellobiose Dehydrogenase for Detection of Catecholamines. Analytical Chemistry, 2004, 76, 4690-4696.	3.2	65
25	In-field monitoring of cleaning efficiency in waste water treatment plants using two phenol-sensitive biosensors. Analytica Chimica Acta, 2002, 456, 3-17.	2.6	36
26	Cellobiose Dehydrogenase and Peroxidase Biosensors for Determination of Phenolic Compounds. ACS Symposium Series, 2000, , 113-124.	0.5	11
27	Development of a cellobiose dehydrogenase modified electrode for amperometric detection of diphenols. Analyst, The, 1999, 124, 527-532.	1.7	62