

Leonard Stoica

List of Publications by Year in descending order

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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	Direct Electron Transfer Between Lignolytic Redox Enzymes and Electrodes. <i>Electroanalysis</i> , 2004, 16, 1074-1092.	1.5	131
2	Third-Generation Biosensor for Lactose Based on Newly Discovered Cellobiose Dehydrogenase. <i>Analytical Chemistry</i> , 2006, 78, 393-398.	3.2	119
3	Pulsed electrodeposition of Pt nanoclusters on carbon nanotubes modified carbon materials using diffusion restricting viscous electrolytes. <i>Electrochemistry Communications</i> , 2007, 9, 1348-1354.	2.3	86
4	Enhanced direct electron transfer between laccase and hierarchical carbon microfibers/carbon nanotubes composite electrodes. Comparison of three enzyme immobilization methods. <i>Electrochimica Acta</i> , 2012, 82, 218-223.	2.6	79
5	Label-Free Detection of DNA Hybridization in Presence of Intercalators Using Electrochemical Impedance Spectroscopy. <i>Electroanalysis</i> , 2009, 21, 325-331.	1.5	71
6	Biosensor Based on Cellobiose Dehydrogenase for Detection of Catecholamines. <i>Analytical Chemistry</i> , 2004, 76, 4690-4696.	3.2	65
7	Development of a cellobiose dehydrogenase modified electrode for amperometric detection of diphenols. <i>Analyst</i> , 1999, 124, 527-532.	1.7	62
8	Self-Powered Wireless Carbohydrate/Oxygen Sensitive Biodevice Based on Radio Signal Transmission. <i>PLoS ONE</i> , 2014, 9, e109104.	1.1	62
9	Visualisation of the local bio-electrocatalytic activity in biofuel cell cathodes by means of redox competition scanning electrochemical microscopy (RC-SECM). <i>Electrochemistry Communications</i> , 2007, 9, 1998-2002.	2.3	59
10	Direct Electron Transfer A Favorite Electron Route for Cellobiose Dehydrogenase (CDH) from <i>Trametes villosa</i> . Comparison with CDH from <i>Phanerochaete chrysosporium</i> . <i>Langmuir</i> , 2006, 22, 10801-10806.	1.6	56
11	Direct Electrochemistry of Proteins and Enzymes. <i>Perspectives in Bioanalysis</i> , 2005, , 517-598.	0.3	50
12	Electrochemical investigation of cellobiose dehydrogenase from new fungal sources on Au electrodes. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2010-2018.	5.3	50
13	Glucose Oxidase/Horseradish Peroxidase Co-immobilized at a CNT-Modified Graphite Electrode: Towards Potentially Implantable Biocathodes. <i>Chemistry - A European Journal</i> , 2012, 18, 2783-2786.	1.7	42
14	Mass transport controlled oxygen reduction at anthraquinone modified 3D-CNT electrodes with immobilized <i>Trametes hirsuta</i> laccase. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11882.	1.3	41
15	Towards a high potential biocathode based on direct bioelectrochemistry between horseradish peroxidase and hierarchically structured carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10088.	1.3	39
16	In-field monitoring of cleaning efficiency in waste water treatment plants using two phenol-sensitive biosensors. <i>Analytica Chimica Acta</i> , 2002, 456, 3-17.	2.6	36
17	Bioelectrochemical detection of L-lactate respiration using genetically modified <i>Hansenula polymorpha</i> yeast cells overexpressing flavocytochrome b2. <i>Bioelectrochemistry</i> , 2009, 76, 175-179.	2.4	21
18	Local Modulation of the Redox State of Nitrothiophenol Self-Assembled Monolayers Using the Direct Mode of Scanning Electrochemical Microscopy. <i>ChemPhysChem</i> , 2009, 10, 1066-1070.	1.0	20

#	ARTICLE	IF	CITATIONS
19	Scanning Electrochemical Microscopy (SECM) as a Tool in Biosensor Research. , 2008, 109, 455-492.		19
20	Patterned CNT Arrays for the Evaluation of Oxygen Reduction Activity by SECM. ChemPhysChem, 2010, 11, 74-78.	1.0	18
21	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
22	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
23	Cellobiose Dehydrogenase and Peroxidase Biosensors for Determination of Phenolic Compounds. ACS Symposium Series, 2000, , 113-124.	0.5	11
24	Activation/Inhibition Effects during the Coelectrodeposition of PtAg Nanoparticles: Application for ORR in Alkaline Media. ChemPhysChem, 2011, 12, 1741-1746.	1.0	11
25	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
26	Electrochemical evidence of self-substrate inhibition as functions regulation for cellobiose dehydrogenase from Phanerochaete chrysosporium. Bioelectrochemistry, 2009, 76, 42-52.	2.4	9
27	Advanced design of electron-transfer pathways across biomolecular interfaces, dedicated to Professor Lo Gorton. Editorial. Bioelectrochemistry, 2009, 76, 1.	2.4	2