

Dalius Ratautas

List of Publications by Year in descending order

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18
papers

284
citations

933447
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1058476
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18
all docs

18
docs citations

18
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen electroreduction catalysed by laccase wired to gold nanoparticles via the trinuclear copper cluster. <i>Energy and Environmental Science</i> , 2017, 10, 498-502.	30.8	72
2	High current, low redox potential mediatorless bioanode based on gold nanoparticles and glucose dehydrogenase from <i>Ewingella americana</i> . <i>Electrochimica Acta</i> , 2016, 199, 254-260.	5.2	27
3	Preparation and characterization of iron oxide magnetic nanoparticles functionalized by nisin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 126-134.	5.0	26
4	Bioanode with alcohol dehydrogenase undergoing a direct electron transfer on functionalized gold nanoparticles for an application in biofuel cells for glycerol conversion. <i>Biosensors and Bioelectronics</i> , 2017, 98, 215-221.	10.1	25
5	Highly sensitive amperometric biosensor based on alcohol dehydrogenase for determination of glycerol in human urine. <i>Talanta</i> , 2019, 200, 333-339.	5.5	22
6	Nanocatalysts Containing Direct Electron Transfer-Capable Oxidoreductases: Recent Advances and Applications. <i>Catalysts</i> , 2020, 10, 9.	3.5	21
7	Real-time glucose monitoring system containing enzymatic sensor and enzymatic reference electrodes. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112338.	10.1	19
8	Highly efficient direct electron transfer bioanode containing glucose dehydrogenase operating in human blood. <i>Journal of Power Sources</i> , 2019, 441, 227163.	7.8	18
9	Wiring Gold Nanoparticles and Redox Enzymes: A Self-Sufficient Nanocatalyst for the Direct Oxidation of Carbohydrates with Molecular Oxygen. <i>ChemCatChem</i> , 2018, 10, 971-974.	3.7	17
10	A direct electron transfer formaldehyde dehydrogenase biosensor for the determination of formaldehyde in river water. <i>Talanta</i> , 2021, 234, 122657.	5.5	16
11	Glucose-to-Resistor Transduction Integrated into a Radio-Frequency Antenna for Chip-less and Battery-less Wireless Sensing. <i>ACS Sensors</i> , 2022, 7, 1222-1234.	7.8	11
12	Revising catalytic acceleration of enzymes on citrate-capped gold nanoparticles. <i>Journal of Catalysis</i> , 2021, 404, 570-578.	6.2	6
13	Biosensor prototype for rapid detection and quantification of DNase activity. <i>Biosensors and Bioelectronics</i> , 2022, 213, 114475.	10.1	3
14	Mechanistic characterization of an oxygen reduction reaction-driven, fully enzymatic and self-calibrating pH biosensor based on wired bilirubin oxidase. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132054.	7.8	1
15	A 3rd generation Biosensor Towards the Continuous Long-Term Glucose Monitoring without Ag/AgCl Reference Electrode. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
16	Biosensor Design Towards Monitoring of Amino Acids for Critical Care Patients. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1604-1604.	0.0	0
17	Real-Time Glucose Monitoring System Containing Enzymatic Sensor and Reference Electrodes for Application In Vivo. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 3429-3429.	0.0	0
18	Biosensor for a Rapid and Sensitive Detection and Quantification of Nuclease Activity. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2387-2387.	0.0	0