Dalius Ratautas

List of Publications by Year
in descending order

18	284	1051969 10	1181555 14
papers	citations	h-index	g-index

18	18	18	424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxygen electroreduction catalysed by laccase wired to gold nanoparticles via the trinuclear copper cluster. Energy and Environmental Science, 2017, 10, 498-502.	15.6	72
2	High current, low redox potential mediatorless bioanode based on gold nanoparticles and glucose dehydrogenase from Ewingella americana. Electrochimica Acta, 2016, 199, 254-260.	2.6	27
3	Preparation and characterization of iron oxide magnetic nanoparticles functionalized by nisin. Colloids and Surfaces B: Biointerfaces, 2018, 169, 126-134.	2.5	26
4	Bioanode with alcohol dehydrogenase undergoing a direct electron transfer on functionalized gold nanoparticles for an application in biofuel cells for glycerol conversion. Biosensors and Bioelectronics, 2017, 98, 215-221.	5.3	25
5	Highly sensitive amperometric biosensor based on alcohol dehydrogenase for determination of glycerol in human urine. Talanta, 2019, 200, 333-339.	2.9	22
6	Nanocatalysts Containing Direct Electron Transfer-Capable Oxidoreductases: Recent Advances and Applications. Catalysts, 2020, 10, 9.	1.6	21
7	Real-time glucose monitoring system containing enzymatic sensor and enzymatic reference electrodes. Biosensors and Bioelectronics, 2020, 164, 112338.	5.3	19
8	Highly efficient direct electron transfer bioanode containing glucose dehydrogenase operating in human blood. Journal of Power Sources, 2019, 441, 227163.	4.0	18
9	Wiring Gold Nanoparticles and Redox Enzymes: Aâ€‰Selfâ€Sufficient Nanocatalyst for the Direct Oxidation of Carbohydrates with Molecular Oxygen. ChemCatChem, 2018, 10, 971-974.	1.8	17
10	A direct electron transfer formaldehyde dehydrogenase biosensor for the determination of formaldehyde in river water. Talanta, 2021, 234, 122657.	2.9	16
11	Glucose-to-Resistor Transduction Integrated into a Radio-Frequency Antenna for Chip-less and Battery-less Wireless Sensing. ACS Sensors, 2022, 7, 1222-1234.	4.0	11
12	Revising catalytic â€œaccelerationâ€•of enzymes on citrate-capped gold nanoparticles. Journal of Catalysis, 2021, 404, 570-578.	3.1	6
13	Biosensor prototype for rapid detection and quantification of DNase activity. Biosensors and Bioelectronics, 2022, 213, 114475.	5.3	3
14	Mechanistic characterization of an oxygen reduction reaction-driven, fully enzymatic and self-calibrating pH biosensor based on wired bilirubin oxidase. Sensors and Actuators B: Chemical, 2022, 367, 132054.	4.0	1
15	A 3rd generation Biosensor Towards the Continuous Long-Term Glucose Monitoring without Ag/AgCl Reference Electrode. ECS Meeting Abstracts, 2019, , .	0.0	0
16	Biosensor Design Towards Monitoring of Amino Acids for Critical Care Patients. ECS Meeting Abstracts, 2021, MA2021-02, 1604-1604.	0.0	0
17	Real-Time Glucose Monitoring System Containing Enzymatic Sensor and Reference Electrodes for Application In Vivo. ECS Meeting Abstracts, 2020, MA2020-02, 3429-3429.	0.0	0
18	Biosensor for a Rapid and Sensitive Detection and Quantification of Nuclease Activity. ECS Meeting Abstracts, 2022, MA2022-01, 2387-2387.	0.0	0