Dalius Ratautas

List of Publications by Citations

13 papers	175 citations	9 h-index	13 g-index
18 ext. papers	220 ext. citations	9.8 avg, IF	3.3 L-index

#	Paper	IF	Citations
13	Oxygen electroreduction catalysed by laccase wired to gold nanoparticles via the trinuclear copper cluster. *Energy and Environmental Science*, **2017**, 10, 498-502	35.4	57
12	High current, low redox potential mediatorless bioanode based on gold nanoparticles and glucose dehydrogenase from Ewingella americana. *Electrochimica Acta*, **2016**, 199, 254-260	6.7	20
11	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	11.8	19
10	Real-time glucose monitoring system containing enzymatic sensor and enzymatic reference electrodes. *Biosensors and Bioelectronics*, **2020**, 164, 112338	11.8	14
9	Wiring Gold Nanoparticles and Redox Enzymes: A Self-Sufficient Nanocatalyst for the Direct Oxidation of Carbohydrates with Molecular Oxygen. *ChemCatChem*, **2018**, 10, 971-974	5.2	14
8	Preparation and characterization of iron oxide magnetic nanoparticles functionalized by nisin. *Colloids and Surfaces B: Biointerfaces*, **2018**, 169, 126-134	6	13
7	Highly sensitive amperometric biosensor based on alcohol dehydrogenase for determination of glycerol in human urine. *Talanta*, **2019**, 200, 333-339	6.2	11
6	Highly efficient direct electron transfer bioanode containing glucose dehydrogenase operating in human blood. *Journal of Power Sources*, **2019**, 441, 227163	8.9	11
5	Nanocatalysts Containing Direct Electron Transfer-Capable Oxidoreductases: Recent Advances and Applications. *Catalysts*, **2020**, 10, 9	4	11
4	A direct electron transfer formaldehyde dehydrogenase biosensor for the determination of formaldehyde in river water. *Talanta*, **2021**, 234, 122657	6.2	3
3	Glucose-to-Resistor Transduction Integrated into a Radio-Frequency Antenna for Chip-less and Battery-less Wireless Sensing.. *ACS Sensors*, **2022**,	9.2	2
2	Revising catalytic acceleration of enzymes on citrate-capped gold nanoparticles. *Journal of Catalysis*, **2021**, 404, 570-578	7.3	0
1	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**, 132054	8.5	