

Adriano dos Santos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

452
citations

12
h-index

21
g-index

27
ext. papers

515
ext. citations

7
avg, IF

4.24
L-index

#	Paper	IF	Citations
24	An outlook on electrochemical approaches for molecular diagnostics assays and discussions on the limitations of miniaturized technologies for point-of-care devices. <i>Sensors and Actuators Reports</i> , 2022 , 4, 100087	4.7	5
23	Low-fouling properties in serum of carboxylic-oligo(ethylene glycol)-based interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 618, 126426	5.1	
22	Density of States of a Nanoscale Semiconductor Interface as a Transduction Signal for Sensing Molecules. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 3411-3417	4	1
21	Introducing polymer conductance in diagnostically relevant transduction. <i>Biosensors and Bioelectronics</i> , 2021 , 172, 112705	11.8	3
20	Perspective on Quantum Electrochemistry. A Simple Method for Measuring the Electron Transfer Rate Constant. <i>Electrochimica Acta</i> , 2021 , 139219	6.7	2
19	Measuring quantum conductance and capacitance of graphene using impedance-derived capacitance spectroscopy. <i>Carbon</i> , 2021 , 184, 821-827	10.4	4
18	The nanoscopic principles of capacitive ion sensing interfaces. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3770-3774	3.6	11
17	Introducing mesoscopic charge transfer rates into molecular electronics. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 10828-10832	3.6	11
16	Serological point-of-care and label-free capacitive diagnosis of dengue virus infection. <i>Biosensors and Bioelectronics</i> , 2020 , 151, 111972	11.8	19
15	Label-free capacitive assaying of biomarkers for molecular diagnostics. <i>Nature Protocols</i> , 2020 , 15, 3879-3893	11.8	10
14	Perspectives on and Precautions for the Uses of Electric Spectroscopic Methods in Label-free Biosensing Applications. <i>ACS Sensors</i> , 2019 , 4, 2216-2227	9.2	29
13	A dual marker label free electrochemical assay for Flavivirus dengue diagnosis. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 519-525	11.8	35
12	Mapping the ionic fingerprints of molecular monolayers. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 15098-15109	3.6	19
11	The self-assembly of redox active peptides: Synthesis and electrochemical capacitive behavior. <i>Biopolymers</i> , 2016 , 106, 357-67	2.2	17
10	Glycoprotein assay based on the optimized immittance signal of a redox tagged and lectin-based receptive interface. <i>Biosensors and Bioelectronics</i> , 2016 , 83, 368-78	11.8	13
9	An impedimetric biosensor to test neat serum for dengue diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2015 , 213, 150-154	8.5	59
8	Sensitive label-free electron chemical capacitive signal transduction for D-dimer electroanalysis. <i>Electrochimica Acta</i> , 2015 , 182, 946-952	6.7	25

7	Evidence for Conformational Mechanism on the Binding of TgMIC4 with β -Galactose-Containing Carbohydrate Ligand. <i>Langmuir</i> , 2015 , 31, 12111-9	4	6
6	Redox-tagged peptide for capacitive diagnostic assays. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 281-287	11.8	31
5	Comparing label free electrochemical impedimetric and capacitive biosensing architectures. <i>Biosensors and Bioelectronics</i> , 2014 , 57, 96-102	11.8	67
4	Impedance-derived electrochemical capacitance spectroscopy for the evaluation of lectin-glycoprotein binding affinity. <i>Biosensors and Bioelectronics</i> , 2014 , 62, 102-5	11.8	37
3	Evaluating the Equilibrium Association Constant between ArtinM Lectin and Myeloid Leukemia Cells by Impedimetric and Piezoelectric Label Free Approaches. <i>Biosensors</i> , 2014 , 4, 358-69	5.9	12
2	Fundamentals and Applications of Impedimetric and Redox Capacitive Biosensors. <i>Journal of Analytical & Bioanalytical Techniques</i> , 2014 , 57,		34
1	Harmonical oscillator and electro-mechanical analogy: an interdisciplinary experiment to high precision mass variation measurements. <i>Eletica Quimica</i> , 2009 , 34, 57-75	2.6	