

# Adriano dos Santos

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/867206/adriano-dos-santos-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Comparing label free electrochemical impedimetric and capacitive biosensing architectures. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 57, 96-102	11.8	67
23	An impedimetric biosensor to test neat serum for dengue diagnosis. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 213, 150-154	8.5	59
22	Impedance-derived electrochemical capacitance spectroscopy for the evaluation of lectin-glycoprotein binding affinity. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 62, 102-5	11.8	37
21	A dual marker label free electrochemical assay for Flavivirus dengue diagnosis. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 100, 519-525	11.8	35
20	Fundamentals and Applications of Impedimetric and Redox Capacitive Biosensors. <i>Journal of Analytical &amp; Bioanalytical Techniques</i> , <b>2014</b> , S7,		34
19	Redox-tagged peptide for capacitive diagnostic assays. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 281-287	11.8	31
18	Perspectives on and Precautions for the Uses of Electric Spectroscopic Methods in Label-free Biosensing Applications. <i>ACS Sensors</i> , <b>2019</b> , 4, 2216-2227	9.2	29
17	Sensitive label-free electron chemical capacitive signal transduction for D-dimer electroanalysis. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 946-952	6.7	25
16	Mapping the ionic fingerprints of molecular monolayers. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 15098-15109	3.6	19
15	Serological point-of-care and label-free capacitive diagnosis of dengue virus infection. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 151, 111972	11.8	19
14	The self-assembly of redox active peptides: Synthesis and electrochemical capacitive behavior. <i>Biopolymers</i> , <b>2016</b> , 106, 357-67	2.2	17
13	Glycoprotein assay based on the optimized immittance signal of a redox tagged and lectin-based receptive interface. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 83, 368-78	11.8	13
12	Evaluating the Equilibrium Association Constant between ArtinM Lectin and Myeloid Leukemia Cells by Impedimetric and Piezoelectric Label Free Approaches. <i>Biosensors</i> , <b>2014</b> , 4, 358-69	5.9	12
11	The nanoscopic principles of capacitive ion sensing interfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 3770-3774	3.6	11
10	Introducing mesoscopic charge transfer rates into molecular electronics. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 10828-10832	3.6	11
9	Label-free capacitive assaying of biomarkers for molecular diagnostics. <i>Nature Protocols</i> , <b>2020</b> , 15, 3879-3893	11.8	10
8	Evidence for Conformational Mechanism on the Binding of TgMIC4 with $\beta$ -Galactose-Containing Carbohydrate Ligand. <i>Langmuir</i> , <b>2015</b> , 31, 12111-9	4	6

7	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> , <b>2022</b> , 4, 100087	4.7	5
6	Measuring quantum conductance and capacitance of graphene using impedance-derived capacitance spectroscopy. <i>Carbon</i> , <b>2021</b> , 184, 821-827	10.4	4
5	Introducing polymer conductance in diagnostically relevant transduction. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 172, 112705	11.8	3
4	Perspective on Quantum Electrochemistry. A Simple Method for Measuring the Electron Transfer Rate Constant. <i>Electrochimica Acta</i> , <b>2021</b> , 139219	6.7	2
3	Density of States of a Nanoscale Semiconductor Interface as a Transduction Signal for Sensing Molecules. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3411-3417	4	1
2	Harmonical oscillator and electro-mechanical analogy: an interdisciplinary experiment to high precision mass variation measurements. <i>Eletica Quimica</i> , <b>2009</b> , 34, 57-75	2.6	
1	Low-fouling properties in serum of carboxylic-oligo(ethylene glycol)-based interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 618, 126426	5.1	