

# Joao Oliveira

## List of Publications by Citations

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44  
papers

939  
citations

15  
h-index

29  
g-index

44  
ext. papers

1,017  
ext. citations

6.4  
avg, IF

3.84  
L-index

#	Paper	IF	Citations
44	Evaluation of anion influence on the formation and extraction capacity of ionic-liquid-based aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9304-10	3.4	264
43	Adsorptive removal of pharmaceuticals from water by commercial and waste-based carbons. <i>Journal of Environmental Management</i> , <b>2015</b> , 152, 83-90	7.9	97
42	Solubility of non-aromatic ionic liquids in water and correlation using a QSPR approach. <i>Fluid Phase Equilibria</i> , <b>2010</b> , 294, 234-240	2.5	73
41	The quantification of potassium using a quartz crystal microbalance. <i>Analyst, The</i> , <b>2000</b> , 125, 1983-6	5	45
40	Lignin-based polyurethane doped with carbon nanotubes for sensor applications. <i>Polymer International</i> , <b>2012</b> , 61, 788-794	3.3	38
39	Production of highly efficient activated carbons from industrial wastes for the removal of pharmaceuticals from water-A full factorial design. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 370, 212-218	12.8	35
38	Leaching of aluminium from cooking pans and food containers. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 118, 192-197	8.5	34
37	Electrochemical impedance study of the lignin-derived conducting polymer. <i>Electrochimica Acta</i> , <b>2012</b> , 76, 69-76	6.7	30
36	Quantification of CO <sub>2</sub> , SO <sub>2</sub> , NH <sub>3</sub> , and H <sub>2</sub> S with a single coated piezoelectric quartz crystal. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 68, 218-222	8.5	25
35	Anti-fungal activity of SiO <sub>2</sub> /Ag <sub>2</sub> S nanocomposites against <i>Aspergillus niger</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2009</b> , 74, 304-8	6	24
34	Potentiometric chemical sensors from lignin-poly(propylene oxide) copolymers doped by carbon nanotubes. <i>Analyst, The</i> , <b>2013</b> , 138, 501-8	5	23
33	An electronic nose based on coated piezoelectric quartz crystals to certify ewesYcheese and to discriminate between cheese varieties. <i>Sensors</i> , <b>2012</b> , 12, 1422-36	3.8	19
32	Design of molecularly imprinted polymers for diphenylamine sensing. <i>Talanta</i> , <b>2012</b> , 94, 133-9	6.2	17
31	Detection of volatile amines using a quartz crystal with gold electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>1999</b> , 57, 261-267	8.5	17
30	Determination of the total hardness in tap water using acoustic wave sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 127, 102-106	8.5	15
29	Comparison of two methods for coating piezoelectric crystals. <i>Analytica Chimica Acta</i> , <b>1995</b> , 300, 329-336	6	14
28	A new analytical system, based on an acoustic wave sensor, for halitosis evaluation. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 136, 73-79	8.5	13

27	Assessment of copper toxicity using an acoustic wave sensor. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 19, 1203-8	11.8	13
26	Performance of a tetramethylammonium fluoride tetrahydrate coated piezoelectric crystal for carbon dioxide detection. <i>Analytica Chimica Acta</i> , <b>1996</b> , 335, 235-238	6.6	13
25	An acoustic wave sensor for the hydrophilic fluoride. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 157, 594-599	5.9	12
24	Cheeses Made from Raw and Pasteurized Cow's Milk Analysed by an Electronic Nose and an Electronic Tongue. <i>Sensors</i> , <b>2018</b> , 18,	3.8	11
23	The quantification of sodium in mineral waters using a quartz crystal microbalance. <i>Talanta</i> , <b>2003</b> , 59, 247-52	6.2	10
22	Detecting spoiled fruit in the house of the future. <i>Analytica Chimica Acta</i> , <b>2008</b> , 617, 171-6	6.6	9
21	Using acoustic wave sensors to follow milk coagulation and to separate the cheeses according to the milk origin. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 207, 1121-1128	8.5	8
20	A quartz crystal microbalance sensor for the determination of nitroaromatics in landfill gas. <i>Talanta</i> , <b>2000</b> , 51, 1149-53	6.2	8
19	Critical assessment of the parameters that affect the selection of coating compounds for piezoelectric quartz crystal microbalances. <i>Talanta</i> , <b>1999</b> , 48, 81-9	6.2	8
18	Development of a sensor for calcium based on quartz crystal microbalance. <i>Fresenius Journal of Analytical Chemistry</i> , <b>2001</b> , 369, 616-9		6
17	A gas chromatography quartz crystal microbalance for speciation of nitroaromatic compounds in landfill gas. <i>Talanta</i> , <b>2001</b> , 54, 383-8	6.2	6
16	The utilisation of a piezoelectric quartz crystal for measuring carbon dioxide in wine. <i>Analytica Chimica Acta</i> , <b>1996</b> , 327, 95-100	6.6	6
15	Producing Magnetic Nanocomposites from Paper Sludge for the Adsorptive Removal of Pharmaceuticals from Water-A Fractional Factorial Design. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
14	A gas chromatography-quartz crystal microbalance for speciation of sulfur compounds in landfill gas. <i>Journal of Environmental Monitoring</i> , <b>2000</b> , 2, 277-9		5
13	Preparation of PZT discs for use in an acoustic wave sensor. <i>Ceramics International</i> , <b>2009</b> , 35, 617-622	5.1	4
12	Analytical advantages of monitoring a particular characteristic frequency in a thickness shear mode acoustic wave sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 78, 331-336	8.5	4
11	Development of a methodology for the determination of carbon monoxide using a quartz crystal microbalance. <i>Analyst, The</i> , <b>1999</b> , 124, 1449-1453	5	4
10	Utilization of a Quartz Crystal Microbalance to Obtain Au/Ag Phase Diagrams. <i>Langmuir</i> , <b>1999</b> , 15, 8780-8782		4

9	Study of the influence of polymeric membrane composition on the sensitivity of acoustic wave sensors for metal analysis. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 150, 471-477	8.5	3
8	Optimisation of the experimental conditions of a new method, based on a quartz crystal microbalance, for the determination of cyanide. <i>Analyst, The</i> , <b>1997</b> , 122, 1139-41	5	3
7	Use of an acoustic wave sensor to follow lead absorption by porcine skin. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 128, 450-454	8.5	3
6	Alcohol determination using an acoustic wave sensor. <i>Fresenius Journal of Analytical Chemistry</i> , <b>2001</b> , 369, 613-5		3
5	Preserve Your Books through the Smell. <i>ACS Sensors</i> , <b>2019</b> , 4, 2915-2921	9.2	2
4	Assessment of Transition Metals Toxicity in Environmental Matrices Using Potentiometric Electrodes: Inorganic Mercury(II) in the Seawater as a Case Study. <i>Electroanalysis</i> , <b>2015</b> , 27, 1932-1938	3	2
3	Contribution of compressional waves to the identification and quantification of a water contaminant. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 151, 21-25	8.5	2
2	An insight into the adsorption and electrochemical processes occurring during the analysis of copper and lead in wines, using an electrochemical quartz crystal nanobalance. <i>Talanta</i> , <b>2012</b> , 98, 14-8	6.2	1
1	An Expeditious Experiment To Determine the Faraday Constant. <i>Journal of Chemical Education</i> , <b>2004</b> , 81, 116	2.4	