Ignacio de Orbe-Pay

List of Publications by Citations

13 papers	328 citations	9 h-index	13 g-index
13 ext. papers	397 ext. citations	6.8 avg, IF	3.29 L-index

#	Paper	IF	Citations
13	Mobile phone platform as portable chemical analyzer. *Sensors and Actuators B: Chemical*, **2011**, 156, 350-359	8.5	115
12	Microfluidic paper-based device for colorimetric determination of glucose based on a metal-organic framework acting as peroxidase mimetic. *Mikrochimica Acta*, **2017**, 185, 47	5.8	53
11	Surface Modified Thread-Based Microfluidic Analytical Device for Selective Potassium Analysis. *Analytical Chemistry*, **2016**, 88, 5331-7	7.8	46
10	Tetrazine-based chemistry for nitrite determination in a paper microfluidic device. *Talanta*, **2016**, 160, 721-728	6.2	29
9	Real time monitoring of glucose in whole blood by smartphone. *Biosensors and Bioelectronics*, **2019**, 136, 47-52	11.8	25
8	Ionophore-Based Optical Sensor for Urine Creatinine Determination. *ACS Sensors*, **2019**, 4, 421-426	9.2	17
7	A vinyl sulfone clicked carbon dot-engineered microfluidic paper-based analytical device for fluorometric determination of biothiols. *Mikrochimica Acta*, **2020**, 187, 421	5.8	11
6	Thread based microfluidic platform for urinary creatinine analysis. *Sensors and Actuators B: Chemical*, **2020**, 305, 127407	8.5	10
5	A compact optical instrument with artificial neural network for pH determination. *Sensors*, **2012**, 12, 6746-63	3.8	9
4	In situ synthesis of fluorescent silicon nanodots for determination of total carbohydrates in a paper microfluidic device combined with laser prepared graphene heater. *Sensors and Actuators B: Chemical*, **2021**, 332, 129506	8.5	5
3	An Expert System for Full pH Range Prediction Using a Disposable Optical Sensor Array. *IEEE Sensors Journal*, **2012**, 12, 1197-1206	4	3
2	Reversal of a Fluorescent Fluoride Chemosensor from Turn-Off to Turn-On Based on Aggregation Induced Emission Properties.. *ACS Sensors*, **2022**,	9.2	3
1	Computer Vision-Based Portable System for Nitroaromatics Discrimination. *Journal of Sensors*, **2016**, 2016, 1-10	2	2