

# Miguel M Erenas

## List of Publications by Citations

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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.

27  
papers

1,054  
citations

14  
h-index

29  
g-index

29  
ext. papers

1,262  
ext. citations

7  
avg, IF

4.39  
L-index

#	Paper	IF	Citations
27	Smartphone-based simultaneous pH and nitrite colorimetric determination for paper microfluidic devices. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 9554-62	7.8	288
26	Use of the hue parameter of the hue, saturation, value color space as a quantitative analytical parameter for bitonal optical sensors. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 531-42	7.8	169
25	Recent developments in computer vision-based analytical chemistry: A tutorial review. <i>Analytica Chimica Acta</i> , <b>2015</b> , 899, 23-56	6.6	147
24	Mobile phone platform as portable chemical analyzer. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 156, 350-359	3.59	115
23	Surface Modified Thread-Based Microfluidic Analytical Device for Selective Potassium Analysis. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5331-7	7.8	46
22	Flexible Passive near Field Communication Tag for Multigas Sensing. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 1697-1703	3.45	45
21	Portable Multispectral System Based on Color Detector for the Analysis of Homogeneous Surfaces. <i>Journal of Sensors</i> , <b>2019</b> , 2019, 1-8	2	36
20	Real time monitoring of glucose in whole blood by smartphone. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 136, 47-52	11.8	25
19	Water based-ionic liquid carbon dioxide sensor for applications in the food industry. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 302-309	8.5	23
18	General-purpose passive wireless point-of-care platform based on smartphone. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 141, 111360	11.8	21
17	Ionophore-Based Optical Sensor for Urine Creatinine Determination. <i>ACS Sensors</i> , <b>2019</b> , 4, 421-426	9.2	17
16	Potassium disposable optical sensor based on transfectance and chromaticity measurements. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 127, 586-592	8.5	15
15	Non-Invasive Oxygen Determination in Intelligent Packaging Using a Smartphone. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 4351-4357	4	14
14	Use of digital reflection devices for measurement using hue-based optical sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 174, 10-17	8.5	14
13	Smartphone based meat freshness detection. <i>Talanta</i> , <b>2020</b> , 216, 120985	6.2	12
12	Wireless wearable wristband for continuous sweat pH monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 327, 128948	8.5	11
11	Disposable optical tongue for alkaline ion analysis. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 156, 976-982	3.5	10

10	Thread based microfluidic platform for urinary creatinine analysis. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 305, 127407	8.5	10
9	A surface fit approach with a disposable optical tongue for alkaline ion analysis. <i>Analytica Chimica Acta</i> , <b>2011</b> , 694, 128-35	6.6	9
8	Bioactive microfluidic paper device for pesticide determination in waters. <i>Talanta</i> , <b>2020</b> , 218, 121108	6.2	8
7	Chitosan-modified cotton thread for the preconcentration and colorimetric trace determination of Co(II). <i>Microchemical Journal</i> , <b>2020</b> , 158, 105137	4.8	7
6	Smartphone-Based Diagnosis of Parasitic Infections With Colorimetric Assays in Centrifuge Tubes. <i>IEEE Access</i> , <b>2019</b> , 7, 185677-185686	3.5	7
5	Towards an autonomous microfluidic sensor for dissolved carbon dioxide determination. <i>Microchemical Journal</i> , <b>2018</b> , 139, 216-221	4.8	3
4	Computer Vision-Based Portable System for Nitroaromatics Discrimination. <i>Journal of Sensors</i> , <b>2016</b> , 2016, 1-10	2	2
3	Capillary microfluidic platform for sulfite determination in wines. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 359, 131549	8.5	0
2	Luminescence   Solid Phase <b>2018</b> , 281-281		
1	Carbon Dioxide Sensors for Food Packaging <b>2019</b> ,		