Miguel M Erenas

List of Publications by Year
in descending order

29	1,441	516215 16	580395 25
papers	citations	h-index	g-index

29	29	29	1659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Capillary microfluidic platform for sulfite determination in wines. Sensors and Actuators B: Chemical, 2022, 359, 131549.	4.0	12
2	Wireless wearable wristband for continuous sweat pH monitoring. Sensors and Actuators B: Chemical, 2021, 327, 128948.	4.0	30
3	Thread based microfluidic platform for urinary creatinine analysis. Sensors and Actuators B: Chemical, 2020, 305, 127407.	4.0	17
4	Bioactive microfluidic paper device for pesticide determination in waters. Talanta, 2020, 218, 121108.	2.9	28
5	Chitosan-modified cotton thread for the preconcentration and colorimetric trace determination of Co(II). Microchemical Journal, 2020, 158, 105137.	2.3	12
6	Smartphone based meat freshness detection. Talanta, 2020, 216, 120985.	2.9	23
7	Carbon Dioxide Sensors for Food Packaging. , 2019, , .		0
8	Ionophore-Based Optical Sensor for Urine Creatinine Determination. ACS Sensors, 2019, 4, 421-426.	4.0	27
9	General-purpose passive wireless pointâ€“ofâ€“care platform based on smartphone. Biosensors and Bioelectronics, 2019, 141, 111360.	5.3	36
10	Real time monitoring of glucose in whole blood by smartphone. Biosensors and Bioelectronics, 2019, 136, 47-52.	5.3	39
11	Smartphone-Based Diagnosis of Parasitic Infections With Colorimetric Assays in Centrifuge Tubes. IEEE Access, 2019, 7, 185677-185686.	2.6	11
12	Portable Multispectral System Based on Color Detector for the Analysis of Homogeneous Surfaces. Journal of Sensors, 2019, 2019, 1-8.	0.6	37
13	Luminescence: Solid Phase â˜†. , 2018, , 281-281.		0
14	Towards an autonomous microfluidic sensor for dissolved carbon dioxide determination. Microchemical Journal, 2018, 139, 216-221.	2.3	3
15	Non-Invasive Oxygen Determination in Intelligent Packaging Using a Smartphone. IEEE Sensors Journal, 2018, 18, 4351-4357.	2.4	21
16	CONNECTED LABORATORY IN ANALYTICAL CHEMISTRY. , 2018, , .		0
17	Flexible Passive near Field Communication Tag for Multigas Sensing. Analytical Chemistry, 2017, 89, 1697-1703.	3.2	78
18	Water based-ionic liquid carbon dioxide sensor for applications in the food industry. Sensors and Actuators B: Chemical, 2017, 253, 302-309.	4.0	31

#	Article	IF	Citations
19	PARTICIPATION OF HIGH SCHOOL STUDENTS IN RESEARCH PROJECTS AT UNIVERSITY. RECRUITING FUTURE RESEARCHERS. , 2017, , .		0
20	Computer Vision-Based Portable System for Nitroaromatics Discrimination. Journal of Sensors, 2016, 2016, 1-10.	0.6	3
21	Surface Modified Thread-Based Microfluidic Analytical Device for Selective Potassium Analysis. Analytical Chemistry, 2016, 88, 5331-5337.	3.2	56
22	Recent developments in computer vision-based analytical chemistry: A tutorial review. Analytica Chimica Acta, 2015, 899, 23-56.	2.6	220
23	Smartphone-Based Simultaneous pH and Nitrite Colorimetric Determination for Paper Microfluidic Devices. Analytical Chemistry, 2014, 86, 9554-9562.	3.2	348
24	Use of digital reflection devices for measurement using hue-based optical sensors. Sensors and Actuators B: Chemical, 2012, 174, 10-17.	4.0	19
25	A surface fit approach with a disposable optical tongue for alkaline ion analysis. Analytica Chimica Acta, 2011, 694, 128-135.	2.6	10
26	Disposable optical tongue for alkaline ion analysis. Sensors and Actuators B: Chemical, 2011, 156, 976-982.	4.0	11
27	Mobile phone platform as portable chemical analyzer. Sensors and Actuators B: Chemical, 2011, 156, 350-359.	4.0	145
28	Use of the Hue Parameter of the Hue, Saturation, Value Color Space As a Quantitative Analytical Parameter for Bitonal Optical Sensors. Analytical Chemistry, 2010, 82, 531-542.	3.2	209
29	Potassium disposable optical sensor based on transflectance and cromaticity measurements. Sensors and Actuators B: Chemical, 2007, 127, 586-592.	4.0	15