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	Smartphone-Based Simultaneous pH and Nitrite Colorimetric Determination for Paper Microfluidic Devices. Analytical Chemistry, 2014, 86, 9554-9562.	3.2	348
2	Recent developments in computer vision-based analytical chemistry: A tutorial review. Analytica Chimica Acta, 2015, 899, 23-56.	2.6	220
3	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
4	Mobile phone platform as portable chemical analyzer. Sensors and Actuators B: Chemical, 2011, 156, 350-359.	4.0	145
5	Flexible Passive near Field Communication Tag for Multigas Sensing. Analytical Chemistry, 2017, 89, 1697-1703.	3.2	78
6	Surface Modified Thread-Based Microfluidic Analytical Device for Selective Potassium Analysis. Analytical Chemistry, 2016, 88, 5331-5337.	3.2	56
7	Real time monitoring of glucose in whole blood by smartphone. Biosensors and Bioelectronics, 2019, 136, 47-52.	5.3	39
8	Portable Multispectral System Based on Color Detector for the Analysis of Homogeneous Surfaces. Journal of Sensors, 2019, 2019, 1-8.	0.6	37
9	General-purpose passive wireless pointâ€“ofâ€“care platform based on smartphone. Biosensors and Bioelectronics, 2019, 141, 111360.	5.3	36
10	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
11	Wireless wearable wristband for continuous sweat pH monitoring. Sensors and Actuators B: Chemical, 2021, 327, 128948.	4.0	30
12	Bioactive microfluidic paper device for pesticide determination in waters. Talanta, 2020, 218, 121108.	2.9	28
13	Ionophore-Based Optical Sensor for Urine Creatinine Determination. ACS Sensors, 2019, 4, 421-426.	4.0	27
14	Smartphone based meat freshness detection. Talanta, 2020, 216, 120985.	2.9	23
15	Non-Invasive Oxygen Determination in Intelligent Packaging Using a Smartphone. IEEE Sensors Journal, 2018, 18, 4351-4357.	2.4	21
16	Use of digital reflection devices for measurement using hue-based optical sensors. Sensors and Actuators B: Chemical, 2012, 174, 10-17.	4.0	19
17	Thread based microfluidic platform for urinary creatinine analysis. Sensors and Actuators B: Chemical, 2020, 305, 127407.	4.0	17
18	Potassium disposable optical sensor based on transflectance and cromaticity measurements. Sensors and Actuators B: Chemical, 2007, 127, 586-592.	4.0	15

#	Article	IF	Citations
19	Chitosan-modified cotton thread for the preconcentration and colorimetric trace determination of Co(II). Microchemical Journal, 2020, 158, 105137.	2.3	12
20	Capillary microfluidic platform for sulfite determination in wines. Sensors and Actuators B: Chemical, 2022, 359, 131549.	4.0	12
21	Disposable optical tongue for alkaline ion analysis. Sensors and Actuators B: Chemical, 2011, 156, 976-982.	4.0	11
22	Smartphone-Based Diagnosis of Parasitic Infections With Colorimetric Assays in Centrifuge Tubes. IEEE Access, 2019, 7, 185677-185686.	2.6	11
23	A surface fit approach with a disposable optical tongue for alkaline ion analysis. Analytica Chimica Acta, 2011, 694, 128-135.	2.6	10
24	Computer Vision-Based Portable System for Nitroaromatics Discrimination. Journal of Sensors, 2016, 2016, 1-10.	0.6	3
25	Towards an autonomous microfluidic sensor for dissolved carbon dioxide determination. Microchemical Journal, 2018, 139, 216-221.	2.3	3
26	Luminescence: Solid Phase â˜†. , 2018, , 281-281.		0
27	Carbon Dioxide Sensors for Food Packaging. , 2019, , .		0
28	PARTICIPATION OF HIGH SCHOOL STUDENTS IN RESEARCH PROJECTS AT UNIVERSITY. RECRUITING FUTURE RESEARCHERS. , 2017, , .		0
29	CONNECTED LABORATORY IN ANALYTICAL CHEMISTRY. , 2018, , .		0