

Miguel M Erenas

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,441
citations

516710
16
h-index

580821
25
g-index

29
all docs

29
docs citations

29
times ranked

1659
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary microfluidic platform for sulfite determination in wines. Sensors and Actuators B: Chemical, 2022, 359, 131549.	7.8	12
2	Wireless wearable wristband for continuous sweat pH monitoring. Sensors and Actuators B: Chemical, 2021, 327, 128948.	7.8	30
3	Thread based microfluidic platform for urinary creatinine analysis. Sensors and Actuators B: Chemical, 2020, 305, 127407.	7.8	17
4	Bioactive microfluidic paper device for pesticide determination in waters. Talanta, 2020, 218, 121108.	5.5	28
5	Chitosan-modified cotton thread for the preconcentration and colorimetric trace determination of Co(II). Microchemical Journal, 2020, 158, 105137.	4.5	12
6	Smartphone based meat freshness detection. Talanta, 2020, 216, 120985.	5.5	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.	7.8	27
9	General-purpose passive wireless point-of-care platform based on smartphone. Biosensors and Bioelectronics, 2019, 141, 111360.	10.1	36
10	Real time monitoring of glucose in whole blood by smartphone. Biosensors and Bioelectronics, 2019, 136, 47-52.	10.1	39
11	Smartphone-Based Diagnosis of Parasitic Infections With Colorimetric Assays in Centrifuge Tubes. IEEE Access, 2019, 7, 185677-185686.	4.2	11
12	Portable Multispectral System Based on Color Detector for the Analysis of Homogeneous Surfaces. Journal of Sensors, 2019, 2019, 1-8.	1.1	37
13	Luminescence: Solid Phase α - β . , 2018, , 281-281.		0
14	Towards an autonomous microfluidic sensor for dissolved carbon dioxide determination. Microchemical Journal, 2018, 139, 216-221.	4.5	3
15	Non-Invasive Oxygen Determination in Intelligent Packaging Using a Smartphone. IEEE Sensors Journal, 2018, 18, 4351-4357.	4.7	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.	6.5	78
18	Water based-ionic liquid carbon dioxide sensor for applications in the food industry. Sensors and Actuators B: Chemical, 2017, 253, 302-309.	7.8	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.	1.1	3
21	Surface Modified Thread-Based Microfluidic Analytical Device for Selective Potassium Analysis. Analytical Chemistry, 2016, 88, 5331-5337.	6.5	56
22	Recent developments in computer vision-based analytical chemistry: A tutorial review. Analytica Chimica Acta, 2015, 899, 23-56.	5.4	220
23	Smartphone-Based Simultaneous pH and Nitrite Colorimetric Determination for Paper Microfluidic Devices. Analytical Chemistry, 2014, 86, 9554-9562.	6.5	348
24	Use of digital reflection devices for measurement using hue-based optical sensors. Sensors and Actuators B: Chemical, 2012, 174, 10-17.	7.8	19
25	A surface fit approach with a disposable optical tongue for alkaline ion analysis. Analytica Chimica Acta, 2011, 694, 128-135.	5.4	10
26	Disposable optical tongue for alkaline ion analysis. Sensors and Actuators B: Chemical, 2011, 156, 976-982.	7.8	11
27	Mobile phone platform as portable chemical analyzer. Sensors and Actuators B: Chemical, 2011, 156, 350-359.	7.8	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.	6.5	209
29	Potassium disposable optical sensor based on transfectance and cromaticity measurements. Sensors and Actuators B: Chemical, 2007, 127, 586-592.	7.8	15