

João Flávio da Silveira Petrucci

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

986
citations

471509
17
h-index

434195
31
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42
all docs

42
docs citations

42
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel approaches for colorimetric measurements in analytical chemistry – A review. <i>Analytica Chimica Acta</i> , 2020, 1135, 187-203.	5.4	140
2	A portable luminescent thermometer based on green up-conversion emission of Er ³⁺ /Yb ³⁺ co-doped tellurite glass. <i>Scientific Reports</i> , 2017, 7, 41596.	3.3	138
3	Monitoring of hydrogen sulfide via substrate-integrated hollow waveguide mid-infrared sensors in real-time. <i>Analyst</i> , The, 2014, 139, 198-203.	3.5	70
4	Online Analysis of H ₂ S and SO ₂ via Advanced Mid-Infrared Gas Sensors. <i>Analytical Chemistry</i> , 2015, 87, 9605-9611.	6.5	49
5	Portable and Disposable Paper-Based Fluorescent Sensor for In Situ Gaseous Hydrogen Sulfide Determination in Near Real-Time. <i>Analytical Chemistry</i> , 2016, 88, 11714-11719.	6.5	46
6	Determination of 2-Methylimidazole and 4-Methylimidazole in Caramel Colors by Capillary Electrophoresis. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2263-2267.	5.2	38
7	Real-time monitoring of ozone in air using substrate-integrated hollow waveguide mid-infrared sensors. <i>Scientific Reports</i> , 2013, 3, 3174.	3.3	36
8	Sensitive luminescent paper-based sensor for the determination of gaseous hydrogen sulfide. <i>Analytical Methods</i> , 2015, 7, 2687-2692.	2.7	34
9	Colorimetric paper-based device for gaseous hydrogen cyanide quantification based on absorbance measurements. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 392-397.	7.8	33
10	RGB color sensor for colorimetric determinations: Evaluation and quantitative analysis of colored liquid samples. <i>Talanta</i> , 2022, 241, 123244.	5.5	32
11	Development of a simple method for determination of NO ₂ in air using digital scanner images. <i>Talanta</i> , 2015, 140, 73-80.	5.5	30
12	3D-printing in forensic electrochemistry: Atropine determination in beverages using an additively manufactured graphene-polylactic acid electrode. <i>Microchemical Journal</i> , 2021, 167, 106324.	4.5	26
13	Optimized design of substrate-integrated hollow waveguides for mid-infrared gas analyzers. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 094006.	2.2	25
14	iCONVERT: An Integrated Device for the UV-Assisted Determination of H ₂ S via Mid-Infrared Gas Sensors. <i>Analytical Chemistry</i> , 2015, 87, 9580-9583.	6.5	24
15	3D-printed and fully portable fluorescent-based platform for sulfide determination in waters combining vapor generation extraction and digital images treatment. <i>Talanta</i> , 2021, 222, 121558.	5.5	24
16	A new palladium chelate compound for determination of sulfide. <i>Microchemical Journal</i> , 2013, 106, 368-372.	4.5	23
17	Paper-based optoelectronic nose for identification of indoor air pollution caused by 3D printing thermoplastic filaments. <i>Analytica Chimica Acta</i> , 2021, 1143, 1-8.	5.4	20
18	Determination of Nitrite and Nitrate in Brazilian Meats Using High Shear Homogenization. <i>Food Analytical Methods</i> , 2012, 5, 637-642.	2.6	19

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19	Analytical methods applied for ozone gas detection: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116552.	11.4	19
20	Absorbance detector for high performance liquid chromatography based on a deep-UV light-emitting diode at 235 nm. <i>Journal of Chromatography A</i> , 2017, 1512, 143-146.	3.7	17
21	Chemical QR Code: A simple and disposable paper-based optoelectronic nose for the identification of olive oil odor. <i>Food Chemistry</i> , 2021, 350, 129243.	8.2	17
22	Real-Time and Simultaneous Monitoring of NO, NO, and NO Using Substrate-Integrated Hollow Waveguides Coupled to a Compact Fourier Transform Infrared (FT-IR) Spectrometer. <i>Applied Spectroscopy</i> , 2019, 73, 98-103.	2.2	16
23	Paper-based analytical device for colorimetric detection of Cu ²⁺ in Brazilian sugarcane spirits by digital image treatment. <i>Microchemical Journal</i> , 2020, 159, 105463.	4.5	14
24	¼OPTO: A microfluidic paper-based optoelectronic tongue as presumptive tests for the discrimination of alkaloid drugs for forensic purposes. <i>Analytica Chimica Acta</i> , 2021, 1187, 339141.	5.4	12
25	A Hyphenated Preconcentrator-Infrared-Hollow-Waveguide Sensor System for N ₂ O Sensing. <i>Scientific Reports</i> , 2018, 8, 5909.	3.3	11
26	Monitoring Ozone Using Portable Substrate-Integrated Hollow Waveguide-Based Absorbance Sensors in the Ultraviolet Range. <i>ACS Measurement Science Au</i> , 2022, 2, 39-45.	4.4	11
27	An IoT optical sensor for photometric determination of oxalate in infusions. <i>Microchemical Journal</i> , 2021, 168, 106466.	4.5	9
28	From Light Pipes to Substrate-Integrated Hollow Waveguides for Gas Sensing: A Review. <i>ACS Measurement Science Au</i> , 2021, 1, 97-109.	4.4	9
29	Simultaneous determination of scopolamine and butylscopolamine in pharmaceutical and beverage samples by capillary zone electrophoresis. <i>Microchemical Journal</i> , 2022, 172, 106985.	4.5	9
30	The use of in silico models for the rationalization of molecularly imprinted polymer synthesis. <i>European Polymer Journal</i> , 2022, 166, 111024.	5.4	9
31	A new luminescent silver-based probe for on/off sulfide determination. <i>Inorganic Chemistry Communication</i> , 2016, 63, 93-95.	3.9	5
32	Active-electrode biosensor of SnO ₂ nanowire for cyclodextrin detection from microbial enzyme. <i>Nanotechnology</i> , 2020, 31, 165501.	2.6	5
33	An indirect electrochemical method for aqueous sulfide determination in freshwaters using a palladium chelate as a selective sensor. <i>Talanta</i> , 2021, 231, 122413.	5.5	5
34	Paper-based colorimetric sensor array for the rapid and on-site discrimination of green tea samples based on the flavonoid composition. <i>Analytical Methods</i> , 2022, 14, 2471-2478.	2.7	4
35	Desenvolvimento e validação de método analítico para determinação de benzoato, sorbato, metil e propilparabenos em produtos alimentícios utilizando a eletroforese capilar. <i>Química Nova</i> , 2011, 34, 1177-1181.	0.3	3
36	Capillary electrophoresis to approach sorbate usage in processed meat products in Brazil. <i>Journal of Food Science and Technology</i> , 2018, 55, 443-447.	2.8	2

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37	Nanomaterials in Air Pollution Trace Detection. , 2019, , 427-447.		1
38	Optical Gas Sensors for Exhaled Breath Analysis. , 0, , .		1
39	Methylene Violet 3 RAX Dye as a New Reagent for the Determination of Nitrite in Cured Meats and Vegetables. Journal of the Brazilian Chemical Society, 0, , .	0.6	0
40	UV/Vis-Based Optical Sensors for Gaseous and Volatile Analytes. , 2021, , .		0
41	A Green Analytical Methodology for Detecting Adulteration in Automotive Urea-SCR Products Using Microfluidic-Paper Analytical Devices. Sustainability, 2022, 14, 3363.	3.2	0
42	Heat-based procedure for detectability enhancement of colorimetric paper-based spot tests. Microchemical Journal, 2022, 177, 107320.	4.5	0