Feasible photometric measurements in liquidâ€“liquid smartphone-based digital images

Analytical Methods

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Citation Report

#	Article	IF	Citations
1	Development of novel techniques to extract phenolic compounds from Romanian cultivars of Prunus domestica L. and their biological properties. Food and Chemical Toxicology, 2018, 119, 189-198.	3.6	40
2	A green and cost-effective procedure for determination of anionic surfactants in milk with liquid-liquid microextraction and smartphone-based photometric detection. Microchemical Journal, 2018, 143, 259-263.	4.5	40
3	Digital Colorimetry: Analytical Possibilities and Prospects of Use. Moscow University Chemistry Bulletin, 2019, 74, 55-62.	0.6	13
4	Iron (III) determination in bioethanol fuel using a smartphone-based device. Microchemical Journal, 2019, 146, 1134-1139.	4.5	32
5	Determination of Ethanol in Beers Using a Flatbed Scanner and Automated Digital Image Analysis. Food Analytical Methods, 2020, 13, 249-259.	2.6	20
6	Development of an Optode Detector for Determination of Anionic Surfactants by Flow Injection Analysis. Analytical Sciences, 2020, 36, 379-383.	1.6	4
7	A combination of dispersive liquidâ€“liquid microextraction and smartphone-based colorimetric system for the phenol measurement. Microchemical Journal, 2020, 159, 105583.	4.5	18
8	A New Simple and Fast Method for Determination of Cobalt in Vitamin B12 and Water Samples Using Dispersive Liquid-Liquid Microextraction and Digital Image Analysis. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	12
9	Approaching Diesel Fuel Quality in Chemistry Lab Classes: Undergraduate Studentâ€™s Achievements on Determination of Biodiesel Content in Diesel Oil Applying Solvatochromic Effect. Journal of Chemical Education, 2020, 97, 4462-4468.	2.3	5
10	Determination of free and total glycerol in biodiesel by spot analysis. Microchemical Journal, 2020, 158, 105148.	4.5	5
11	A simple and rapid technique for the determination of copper based on air-assisted liquidâ€“liquid microextraction and image colorimetric analysis. Analytical Methods, 2020, 12, 3490-3498.	2.7	7
12	PhotoMetrix and colorimetric image analysis using smartphones. Journal of Chemometrics, 2020, 34, e3251.	1.3	34
13	Ion pair extraction coupled with digital image colorimetry as a rapid and green platform for pharmaceutical analysis: An example of chlorpromazine hydrochloride tablet assay. Talanta, 2020, 219, 121271.	5.5	12
14	Microextractionâ€“Colorimetric (Fluorimetric) Determination of Cationic and Anionic Surfactants in Food Products. Journal of Analytical Chemistry, 2021, 76, 330-338.	0.9	3
15	Combination of a smart phone based low-cost portable colorimeter with air-assisted liquid-liquid microextraction for speciation and determination of chromium (III) and (VI). Microchemical Journal, 2021, 164, 105991.	4.5	14
16	Using a Smartphone for Determining Tetracyclines in Water and Milk by the Sensitized Solid State Fluorescence of Europium on Its Hydroxide. Journal of Analytical Chemistry, 2021, 76, 1211-1216.	0.9	5
17	Total sulfonamides determination in bovine milk using smartphone-based digital images. Microchemical Journal, 2021, 170, 106657.	4.5	10
18	A portable low-cost fluorimeter based on LEDs and a smart phone. Microchemical Journal, 2021, 171, 106773.	4.5	6

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19	Single-phase determination of calcium and magnesium in biodiesel using smartphone-based digital images. Fuel, 2022, 307, 121837.	6.4	10
20	Spot test for fast determination of hydrogen peroxide as a milk adulterant by smartphone-based digital image colorimetry. Microchemical Journal, 2020, 157, 105042.	4.5	38
21	A Low-Cost Digital Colorimetry Setup to Investigate the Relationship between Water Color and Its Chemical Composition. Sensors, 2021, 21, 6699.	3.8	3
22	Development of a double monitoring system for the determination of Cr(VI) in different water matrices by HPLCâ€“UV and digital image-based colorimetric detection method with the help of a metal sieve-linked double syringe system in complexation. Environmental Monitoring and Assessment, 2022, 194. .	2.7	0
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24	Digital-image photometry and salting-out assisted liquid-liquid microextraction for determination of flavonols in berries. Journal of Food Composition and Analysis, 2023, 123, 105515.	3.9	1
25	Smartphone-based digital images in analytical chemistry: Why, when, and how to use. TrAC - Trends in Analytical Chemistry, 2023, 168, 117284.	11.4	5
26	Facile, sensitive and reagent-saving smartphone-based digital image colorimetric assay of captopril tablets enabled by long-pathlength RGB acquisition. Pharmacia, 2023, 70, 1511-1519.	1.2	0
27	Microfluidic paper-based analytical device with a preconcentration system for the measurement of anionic surfactants using an optode detector. Analytical Methods, 2024, 16, 1288-1295.	2.7	0