

Elodie Dumont

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

368
citations

759233
12
h-index

794594
19
g-index

20
all docs

20
docs citations

20
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical review of surface-enhanced Raman spectroscopy applications in the pharmaceutical field. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 458-472.	2.8	71
2	Determination of 4-aminophenol in a pharmaceutical formulation using surface enhanced Raman scattering: From development to method validation. Talanta, 2013, 116, 899-905.	5.5	46
3	Development of an analytical method for crystalline content determination in amorphous solid dispersions produced by hot-melt extrusion using transmission Raman spectroscopy: A feasibility study. International Journal of Pharmaceutics, 2017, 530, 249-255.	5.2	27
4	Design of experiments and design space approaches in the pharmaceutical bioprocess optimization. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 166, 144-154.	4.3	25
5	From near-infrared and Raman to surface-enhanced Raman spectroscopy: progress, limitations and perspectives in bioanalysis. Bioanalysis, 2016, 8, 1077-1103.	1.5	24
6	Quantitation of active pharmaceutical ingredient through the packaging using Raman handheld spectrophotometers: A comparison study. Talanta, 2020, 207, 120306.	5.5	24
7	Development of a quantitative approach using surface-enhanced Raman chemical imaging: First step for the determination of an impurity in a pharmaceutical model. Journal of Pharmaceutical and Biomedical Analysis, 2014, 90, 111-118.	2.8	23
8	A simple approach for ultrasensitive detection of bisphenols by multiplexed surface-enhanced Raman scattering. Analytica Chimica Acta, 2015, 888, 118-125.	5.4	18
9	Global approach for the validation of an in-line Raman spectroscopic method to determine the API content in real-time during a hot-melt extrusion process. Talanta, 2017, 171, 45-52.	5.5	16
10	Towards a spray-coating method for the detection of low-dose compounds in pharmaceutical tablets using surface-enhanced Raman chemical imaging (SER-CI). Talanta, 2018, 188, 584-592.	5.5	16
11	Evaluation of the analytical performances of two Raman handheld spectrophotometers for pharmaceutical solid dosage form quantitation. Talanta, 2020, 214, 120888.	5.5	16
12	Development of a SERS strategy to overcome the nanoparticle stabilisation effect in serum-containing samples: Application to the quantification of dopamine in the culture medium of PC-12 cells. Talanta, 2018, 186, 8-16.	5.5	15
13	Methotrexate Detection in Serum at Clinically Relevant Levels with Electrochemically Assisted SERS on a Benchtop, Custom Built Raman Spectrometer. ACS Sensors, 2022, 7, 2358-2369.	7.8	12
14	Effect of the functionalisation agent on the surface-enhanced Raman scattering (SERS) spectrum: Case study of pyridine derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 233, 118180.	3.9	8
15	Raman imaging as a new analytical tool for the quality control of the monitoring of osteogenic differentiation in forming 3D bone tissue. Journal of Pharmaceutical and Biomedical Analysis, 2020, 186, 113319.	2.8	7
16	Detection of low dose of piroxicam polymorph in pharmaceutical tablets by surface-enhanced Raman chemical imaging (SER-CI) and multivariate analysis. International Journal of Pharmaceutics, 2020, 574, 118913.	5.2	6
17	Development of a prototype device for near real-time surface-enhanced Raman scattering monitoring of biological samples. Talanta, 2021, 224, 121866.	5.5	6
18	A simple calibration approach based on film-casting for confocal Raman microscopy to support the development of a hot-melt extrusion process. Talanta, 2016, 154, 392-399.	5.5	5

#	ARTICLE	IF	CITATIONS
19	Application of the analytical quality by design principles to the development of a qualitative surface-enhanced Raman scattering method: A proof of concept. Journal of Raman Spectroscopy, 0, , .	2.5	2
20	Monitoring of anatabine release by methyl jasmonate elicited BY-2 cells using surface-enhanced Raman scattering. Talanta, 2016, 160, 754-760.	5.5	1