

# Elodie Dumont

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

368  
citations

758635

12  
h-index

794141

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methotrexate Detection in Serum at Clinically Relevant Levels with Electrochemically Assisted SERS on a Benchtop, Custom Built Raman Spectrometer. <i>ACS Sensors</i> , 2022, 7, 2358-2369.	4.0	12
2	Development of a prototype device for near real-time surface-enhanced Raman scattering monitoring of biological samples. <i>Talanta</i> , 2021, 224, 121866.	2.9	6
3	Design of experiments and design space approaches in the pharmaceutical bioprocess optimization. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 166, 144-154.	2.0	25
4	Quantitation of active pharmaceutical ingredient through the packaging using Raman handheld spectrophotometers: A comparison study. <i>Talanta</i> , 2020, 207, 120306.	2.9	24
5	Detection of low dose of piroxicam polymorph in pharmaceutical tablets by surface-enhanced Raman chemical imaging (SER-CI) and multivariate analysis. <i>International Journal of Pharmaceutics</i> , 2020, 574, 118913.	2.6	6
6	Effect of the functionalisation agent on the surface-enhanced Raman scattering (SERS) spectrum: Case study of pyridine derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118180.	2.0	8
7	Evaluation of the analytical performances of two Raman handheld spectrophotometers for pharmaceutical solid dosage form quantitation. <i>Talanta</i> , 2020, 214, 120888.	2.9	16
8	Raman imaging as a new analytical tool for the quality control of the monitoring of osteogenic differentiation in forming 3D bone tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113319.	1.4	7
9	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. <i>Talanta</i> , 2018, 186, 8-16.	2.9	15
10	Critical review of surface-enhanced Raman spectroscopy applications in the pharmaceutical field. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 458-472.	1.4	71
11	Towards a spray-coating method for the detection of low-dose compounds in pharmaceutical tablets using surface-enhanced Raman chemical imaging (SER-CI). <i>Talanta</i> , 2018, 188, 584-592.	2.9	16
12	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. <i>Talanta</i> , 2017, 171, 45-52.	2.9	16
13	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. <i>International Journal of Pharmaceutics</i> , 2017, 530, 249-255.	2.6	27
14	A simple calibration approach based on film-casting for confocal Raman microscopy to support the development of a hot-melt extrusion process. <i>Talanta</i> , 2016, 154, 392-399.	2.9	5
15	Monitoring of anatabine release by methyl jasmonate elicited BY-2 cells using surface-enhanced Raman scattering. <i>Talanta</i> , 2016, 160, 754-760.	2.9	1
16	From near-infrared and Raman to surface-enhanced Raman spectroscopy: progress, limitations and perspectives in bioanalysis. <i>Bioanalysis</i> , 2016, 8, 1077-1103.	0.6	24
17	A simple approach for ultrasensitive detection of bisphenols by multiplexed surface-enhanced Raman scattering. <i>Analitica Chimica Acta</i> , 2015, 888, 118-125.	2.6	18
18	Development of a quantitative approach using surface-enhanced Raman chemical imaging: First step for the determination of an impurity in a pharmaceutical model. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 90, 111-118.	1.4	23

#	ARTICLE	IF	CITATIONS
19	Determination of 4-aminophenol in a pharmaceutical formulation using surface enhanced Raman scattering: From development to method validation. <i>Talanta</i> , 2013, 116, 899-905.	2.9	46
20	Application of the analytical quality by design principles to the development of a qualitative surface-enhanced Raman scattering method: A proof of concept. <i>Journal of Raman Spectroscopy</i> , 0, , .	1.2	2