Ariane Deniset-Besseau

List of Publications by Year
in descending order

25 papers	1,357 citations	471509 17 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	2149 citing authors

#	Article	IF	Citations
1	Conducting polymer nanostructures for photocatalysis under visible light. Nature Materials, 2015, 14, 505-511.	27.5	575
2	Detection of an estrogen derivative in two breast cancer cell lines using a single core multimodal probe for imaging (SCoMPI) imaged by a panel of luminescent and vibrational techniques. Analyst, The, 2013, 138, 5627.	3.5	75
3	PEDOT nanostructures synthesized in hexagonal mesophases. New Journal of Chemistry, 2014, 38, 1106-1115.	2.8	69
4	Photothermal AFM-IR spectroscopy and imaging: Status, challenges, and trends. Journal of Applied Physics, 2022, 131, .	2.5	65
5	Monitoring TriAcylGlycerols Accumulation by Atomic Force Microscopy Based Infrared Spectroscopy in Streptomyces Species for Biodiesel Applications. Journal of Physical Chemistry Letters, 2014, 5, 654-658.	4.6	64
6	How to unravel the chemical structure and component localization of individual drug-loaded polymeric nanoparticles by using tapping AFM-IR. Analyst, The, 2018, 143, 5940-5949.	3.5	57
7	Strong antibiotic production is correlated with highly active oxidative metabolism in Streptomyces coelicolor M145. Scientific Reports, 2017, 7, 200.	3.3	56
8	Microstructure Characterization of Oceanic Polyethylene Debris. Environmental Science & Technology, 2020, 54, 4102-4109.	10.0	51
9	Correlative nonlinear optical microscopy and infrared nanoscopy reveals collagen degradation in altered parchments. Scientific Reports, 2016, 6, 26344.	3.3	49
10	Analysis of bacterial polyhydroxybutyrate production by multimodal nanoimaging. Biotechnology Advances, 2013, 31, 369-374.	11.7	34
11	Combining infrared and mode synthesizing atomic force microscopy: Application to the study of lipid vesicles inside Streptomyces bacteria. Nano Research, 2016, 9, 1674-1681.	10.4	29
12	Probing amyloid fibril secondary structures by infrared nanospectroscopy: experimental and theoretical considerations. Analyst, The, 2021, 146, 132-145.	3.5	29
13	Characterization by Nano-Infrared Spectroscopy of Individual Aggregated Species of Amyloid Proteins. Molecules, 2020, 25, 2899.	3.8	28
14	Highâ€Resolution Labelâ€Free Detection of Biocompatible Polymeric Nanoparticles in Cells. Particle and Particle Systems Characterization, 2018, 35, 1700457.	2.3	27
15	Nanometre-scale infrared chemical imaging of organic matter in ultra-carbonaceous Antarctic micrometeorites (UCAMMs). Astronomy and Astrophysics, 2019, 622, A160.	5.1	20
16	Nanometric Chemical Speciation of Abnormal Deposits in Kidney Biopsy: Infrared-Nanospectroscopy Reveals Heterogeneities within Vancomycin Casts. Analytical Chemistry, 2020, 92, 7388-7392.	6.5	18
17	Nanoscale image of the drug/metal mono-layer interaction: Tapping AFM-IR investigations. Nano Research, 2020, 13, 1020-1028.	10.4	18
18	Correlative infrared nanospectroscopy and transmission electron microscopy to investigate nanometric amyloid fibrils: prospects and challenges. Journal of Microscopy, 2019, 274, 23-31.	1.8	17

#	Article	IF	Citations
19	Discrete Nanoscale Distribution of Hair Lipids Fails to Provide Humidity Resistance. Analytical Chemistry, 2020, 92, 11498-11504.	6.5	15
20	Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) for Rapid Determination of Microbial Cell Lipid Content: Correlation with Gas Chromatography-Mass Spectrometry (GC-MS). Applied Spectroscopy, 2017, 71, 2344-2352.	2.2	13
21	Nanoscale investigation of human skin and study of skin penetration of Janus nanoparticles. International Journal of Pharmaceutics, 2020, 579, 119193.	5.2	12
22	Nanostructural Evolution of Natural Rubber/Silica Nanoparticle Coagulation from Binary Colloidal Suspensions to Composites: Implications for Tire Materials. ACS Applied Nano Materials, 2021, 4, 6722-6733.	5.0	10
23	Cystinuria and cystinosis are usually related to L-cystine: is this really the case for cystinosis? AÂphysicochemical investigation at micrometre and nanometre scale. Comptes Rendus Chimie, 2022, 25, 489-502.	0.5	10
24	The Phosin PptA Plays a Negative Role in the Regulation of Antibiotic Production in Streptomyces lividans. Antibiotics, 2021, 10, 325.	3.7	8
25	Revealing Lipid Body Formation and its Subcellular Reorganization in Oleaginous Microalgae Using Correlative Optical Microscopy and Infrared Nanospectroscopy. Applied Spectroscopy, 2021, 75, 1538-1547.	2.2	6