

Ariane Deniset-Besseau

List of Publications by Year in descending order

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Version: 2024-02-01

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	Cystinuria and cystinosis are usually related to L-cystine: is this really the case for cystinosis? A physicochemical investigation at micrometre and nanometre scale. <i>Comptes Rendus Chimie</i> , 2022, 25, 489-502.	0.5	10
2	Photothermal AFM-IR spectroscopy and imaging: Status, challenges, and trends. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	65
3	Probing amyloid fibril secondary structures by infrared nanospectroscopy: experimental and theoretical considerations. <i>Analyst</i> , 2021, 146, 132-145.	3.5	29
4	The Phosin PptA Plays a Negative Role in the Regulation of Antibiotic Production in <i>Streptomyces lividans</i> . <i>Antibiotics</i> , 2021, 10, 325.	3.7	8
5	Nanostructural Evolution of Natural Rubber/Silica Nanoparticle Coagulation from Binary Colloidal Suspensions to Composites: Implications for Tire Materials. <i>ACS Applied Nano Materials</i> , 2021, 4, 6722-6733.	5.0	10
6	Revealing Lipid Body Formation and its Subcellular Reorganization in Oleaginous Microalgae Using Correlative Optical Microscopy and Infrared Nanospectroscopy. <i>Applied Spectroscopy</i> , 2021, 75, 1538-1547.	2.2	6
7	Characterization by Nano-Infrared Spectroscopy of Individual Aggregated Species of Amyloid Proteins. <i>Molecules</i> , 2020, 25, 2899.	3.8	28
8	Discrete Nanoscale Distribution of Hair Lipids Fails to Provide Humidity Resistance. <i>Analytical Chemistry</i> , 2020, 92, 11498-11504.	6.5	15
9	Nanometric Chemical Speciation of Abnormal Deposits in Kidney Biopsy: Infrared-Nanospectroscopy Reveals Heterogeneities within Vancomycin Casts. <i>Analytical Chemistry</i> , 2020, 92, 7388-7392.	6.5	18
10	Nanoscale image of the drug/metal mono-layer interaction: Tapping AFM-IR investigations. <i>Nano Research</i> , 2020, 13, 1020-1028.	10.4	18
11	Microstructure Characterization of Oceanic Polyethylene Debris. <i>Environmental Science & Technology</i> , 2020, 54, 4102-4109.	10.0	51
12	Nanoscale investigation of human skin and study of skin penetration of Janus nanoparticles. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119193.	5.2	12
13	Nanometre-scale infrared chemical imaging of organic matter in ultra-carbonaceous Antarctic micrometeorites (UCAMMs). <i>Astronomy and Astrophysics</i> , 2019, 622, A160.	5.1	20
14	Correlative infrared nanospectroscopy and transmission electron microscopy to investigate nanometric amyloid fibrils: prospects and challenges. <i>Journal of Microscopy</i> , 2019, 274, 23-31.	1.8	17
15	High-Resolution Label-Free Detection of Biocompatible Polymeric Nanoparticles in Cells. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700457.	2.3	27
16	How to unravel the chemical structure and component localization of individual drug-loaded polymeric nanoparticles by using tapping AFM-IR. <i>Analyst</i> , 2018, 143, 5940-5949.	3.5	57
17	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). <i>Applied Spectroscopy</i> , 2017, 71, 2344-2352.	2.2	13
18	Strong antibiotic production is correlated with highly active oxidative metabolism in <i>Streptomyces coelicolor</i> M145. <i>Scientific Reports</i> , 2017, 7, 200.	3.3	56

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19	Correlative nonlinear optical microscopy and infrared nanoscopy reveals collagen degradation in altered parchments. <i>Scientific Reports</i> , 2016, 6, 26344.	3.3	49
20	Combining infrared and mode synthesizing atomic force microscopy: Application to the study of lipid vesicles inside <i>Streptomyces</i> bacteria. <i>Nano Research</i> , 2016, 9, 1674-1681.	10.4	29
21	Conducting polymer nanostructures for photocatalysis under visible light. <i>Nature Materials</i> , 2015, 14, 505-511.	27.5	575
22	Monitoring TriAcylGlycerols Accumulation by Atomic Force Microscopy Based Infrared Spectroscopy in <i>Streptomyces</i> Species for Biodiesel Applications. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 654-658.	4.6	64
23	PEDOT nanostructures synthesized in hexagonal mesophases. <i>New Journal of Chemistry</i> , 2014, 38, 1106-1115.	2.8	69
24	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. <i>Analyst</i> , The, 2013, 138, 5627.	3.5	75
25	Analysis of bacterial polyhydroxybutyrate production by multimodal nanoimaging. <i>Biotechnology Advances</i> , 2013, 31, 369-374.	11.7	34