

François Paquet-Mercier

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

483
citations

1040056

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1281871

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times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic bioanalytical flow cells for biofilm studies: a review. <i>Analyst, The</i> , 2019, 144, 68-86.	3.5	70
2	Hydrodynamic Effects on Biofilms at the Biointerface Using a Microfluidic Electrochemical Cell: Case Study of <i>Pseudomonas sp.</i> <i>Langmuir</i> , 2017, 33, 2041-2049.	3.5	45
3	Through thick and thin: a microfluidic approach for continuous measurements of biofilm viscosity and the effect of ionic strength. <i>Lab on A Chip</i> , 2016, 16, 4710-4717.	6.0	16
4	Effect of Mechanical Deformation on the Structure of Regenerated <i>Bombyx mori</i> Silk Fibroin Films as Revealed Using Raman and Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2015, 69, 689-698.	2.2	8
5	Spectral Imaging at the Microscale and Beyond. <i>Sensors</i> , 2014, 14, 8162-8166.	3.8	2
6	Development and calibration of a microfluidic biofilm growth cell with flow-templating and multi-modal characterization. , 2014, 2014, 1557-62.		0
7	Native spider silk as a biological optical fiber. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	94
8	Evidence by infrared spectroscopy of the presence of two types of β -sheets in major ampullate spider silk and silkworm silk. <i>Soft Matter</i> , 2013, 9, 208-215.	2.7	83
9	Structure and Mechanical Properties of Spider Silk Films at the Air-Water Interface. <i>Langmuir</i> , 2013, 29, 7931-7938.	3.5	17
10	A Microfluidic Bioreactor with in Situ SERS Imaging for the Study of Controlled Flow Patterns of Biofilm Precursor Materials. <i>Sensors</i> , 2013, 13, 14714-14727.	3.8	19
11	Structure of silk by raman spectromicroscopy: From the spinning glands to the fibers. <i>Biopolymers</i> , 2012, 97, 322-336.	2.4	103
12	Study by Raman spectromicroscopy of the effect of tensile deformation on the molecular structure of <i>Bombyx mori</i> silk. <i>Vibrational Spectroscopy</i> , 2009, 51, 136-141.	2.2	26