FranÃ§ois Paquet-Mercier

List of Publications by Year
in descending order

12 papers	483 citations	1040056 9 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	802 citing authors

#	Article	IF	Citations
1	Structure of silk by raman spectromicroscopy: From the spinning glands to the fibers. Biopolymers, 2012, 97, 322-336.	2.4	103
2	Native spider silk as a biological optical fiber. Applied Physics Letters, 2013, 102, .	3.3	94
3	Evidence by infrared spectroscopy of the presence of two types of Î²-sheets in major ampullate spider silk and silkworm silk. Soft Matter, 2013, 9, 208-215.	2.7	83
4	Microfluidic bioanalytical flow cells for biofilm studies: a review. Analyst, The, 2019, 144, 68-86.	3.5	70
5	Hydrodynamic Effects on Biofilms at the Biointerface Using a Microfluidic Electrochemical Cell: Case Study of Pseudomonas sp.. Langmuir, 2017, 33, 2041-2049.	3.5	45
6	Study by Raman spectromicroscopy of the effect of tensile deformation on the molecular structure of Bombyx mori silk. Vibrational Spectroscopy, 2009, 51, 136-141.	2.2	26
7	A Microfluidic Bioreactor with in Situ SERS Imaging for the Study of Controlled Flow Patterns of Biofilm Precursor Materials. Sensors, 2013, 13, 14714-14727.	3.8	19
8	Structure and Mechanical Properties of Spider Silk Films at the Airâ€“Water Interface. Langmuir, 2013, 29, 7931-7938.	3.5	17
9	Through thick and thin: a microfluidic approach for continuous measurements of biofilm viscosity and the effect of ionic strength. Lab on A Chip, 2016, 16, 4710-4717.	6.0	16
10	Effect of Mechanical Deformation on the Structure of Regenerated Bombyx mori Silk Fibroin Films as Revealed Using Raman and Infrared Spectroscopy. Applied Spectroscopy, 2015, 69, 689-698.	2.2	8
11	Spectral Imaging at the Microscale and Beyond. Sensors, 2014, 14, 8162-8166.	3.8	2
12	Development and calibration of a microfluidic biofilm growth cell with flow-templating and multi-modal characterization. , 2014, 2014, 1557-62.		0