

Stéphane Cuenot

List of Publications by Year in descending order

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33
papers

2,072
citations

516710

16
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

2607
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface tension effect on the mechanical properties of nanomaterials measured by atomic force microscopy. <i>Physical Review B</i> , 2004, 69, .	3.2	739
2	Nanoscale mapping and functional analysis of individual adhesins on living bacteria. <i>Nature Methods</i> , 2005, 2, 515-520.	19.0	324
3	Elastic Modulus of Polypyrrole Nanotubes. <i>Physical Review Letters</i> , 2000, 85, 1690-1693.	7.8	216
4	Synthesis of Pyrene-Containing Polymers and Noncovalent Sidewall Functionalization of Multiwalled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2004, 16, 4005-4011.	6.7	163
5	Mechanochemistry: targeted delivery of single molecules. <i>Nature Nanotechnology</i> , 2006, 1, 122-125.	31.5	95
6	Measurement of elastic modulus of nanotubes by resonant contact atomic force microscopy. <i>Journal of Applied Physics</i> , 2003, 93, 5650-5655.	2.5	80
7	Tuning electrical properties of conjugated polymer nanowires with the diameter. <i>Applied Physics Letters</i> , 2007, 90, 102114.	3.3	51
8	Microfluidic Encapsulation of Pickering Oil Microdroplets into Alginate Microgels for Lipophilic Compound Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 535-543.	5.2	48
9	Experimental realization and numerical simulation of wavelength-modulated fibre optic sensor based on surface plasmon resonance. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 198-203.	7.8	46
10	First Insights into Electrografted Polymers by AFM-Based Force Spectroscopy. <i>Macromolecules</i> , 2006, 39, 8428-8433.	4.8	37
11	A flavoprotein supports cell wall properties in the necrotrophic fungus <i>Alternaria brassicicola</i> . <i>Fungal Biology and Biotechnology</i> , 2017, 4, 1.	5.1	25
12	Spontaneous self-assembly of SC3 hydrophobins into nanorods in aqueous solution. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1231-1237.	2.3	24
13	Cell Wall Modifications during Conidial Maturation of the Human Pathogenic Fungus <i>Pseudallescheria boydii</i> . <i>PLoS ONE</i> , 2014, 9, e100290.	2.5	23
14	Microcarriers Based on Glycosaminoglycan-Like Marine Exopolysaccharide for TGF- β 1 Long-Term Protection. <i>Marine Drugs</i> , 2019, 17, 65.	4.6	20
15	Self-assembly of proteins into a three-dimensional multilayer system: Investigation of the surface of the human fungal pathogen <i>Aspergillus fumigatus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1137-1144.	2.3	18
16	A Multifaceted Study of <i>Scedosporium boydii</i> Cell Wall Changes during Germination and Identification of GPI-Anchored Proteins. <i>PLoS ONE</i> , 2015, 10, e0128680.	2.5	18
17	Assembly of HE800 exopolysaccharide produced by a deep-sea hydrothermal bacterium into microgels for protein delivery applications. <i>Carbohydrate Polymers</i> , 2016, 142, 213-221.	10.2	18
18	Layer-by-Layer Functionalization of Carbon Nanotubes with Synthetic and Natural Polyelectrolytes. <i>Langmuir</i> , 2010, 26, 2779-2784.	3.5	16

#	ARTICLE	IF	CITATIONS
19	Control of Swelling of Responsive Nanogels by Nanoconfinement. <i>Small</i> , 2012, 8, 2978-2985.	10.0	12
20	Are Electrografted Polymers Chemisorbed or Physisorbed onto their Substrate?. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1216-1220.	2.2	11
21	Variation of Elastic Properties of Responsive Polymer Nanotubes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4939-4944.	2.6	11
22	Mechanical relaxations of hydrogels governed by their physical or chemical crosslinks. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 133, 105343.	3.1	11
23	Investigation of Thermo-responsive Nanoconfined Polymer Brushes by AFM-Based Force Spectroscopy. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 580-586.	2.2	9
24	Investigation of interactions between the marine GY785 exopolysaccharide and transforming growth factor- β 1 by atomic force microscopy. <i>Carbohydrate Polymers</i> , 2018, 202, 56-63.	10.2	9
25	Marine Polysaccharide-Collagen Coatings on Ti6Al4V Alloy Formed by Self-Assembly. <i>Micromachines</i> , 2019, 10, 68.	2.9	9
26	Three-dimensional structures, dynamics and calcium-mediated interactions of the exopolysaccharide, Infernan, produced by the deep-sea hydrothermal bacterium <i>Alteromonas infernus</i> . <i>Carbohydrate Polymers</i> , 2022, 276, 118732.	10.2	8
27	Microgels based on Infernan, a glycosaminoglycan-mimetic bacterial exopolysaccharide, as BMP-2 delivery systems. <i>Carbohydrate Polymers</i> , 2022, 284, 119191.	10.2	7
28	Elastic modulus of nanomaterials: resonant contact-AFM measurement and reduced-size effects (Invited Paper). , 2005, , .		6
29	Nanoscale Mapping of Multiple Lectins on Cell Surfaces by Single-Molecule Force Spectroscopy. <i>Advanced Biology</i> , 2017, 1, e1700050.	3.0	5
30	Interactions between infernan and calcium: From the molecular level to the mechanical properties of microgels. <i>Carbohydrate Polymers</i> , 2022, 292, 119629.	10.2	4
31	Atomic Force Microscopy: A Promising Tool for Deciphering the Pathogenic Mechanisms of Fungi in Cystic Fibrosis. <i>Mycopathologia</i> , 2018, 183, 291-310.	3.1	3
32	OSIP1 is a self-assembling DUF3129 protein required to protect fungal cells from toxins and stressors. <i>Environmental Microbiology</i> , 2021, 23, 1594-1607.	3.8	3
33	Understanding the Assembly Mechanism of Proteins from Monte Carlo Simulations. <i>Applied Mathematics</i> , 2017, 08, 280-292.	0.4	1