Antoine NiguÃ¨s

List of Publications by Year
in descending order

22	1,373	759233 12	713466 21
papers	citations	h-index	g-index

22	22	22	1884
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced nanofluidic transport in activated carbon nanoconduits. Nature Materials, 2022, 21, 696-702.	27.5	36
2	Mechanically activated ionic transport across single-digit carbon nanotubes. Nature Materials, 2020, 19, 1057-1061.	27.5	64
3	Ultrafast photomechanical transduction through thermophoretic implosion. Nature Communications, 2020, 11, 50.	12.8	11
4	Nanotribology of Ionic Liquids: Transition to Yielding Response in Nanometric Confinement with Metallic Surfaces. Physical Review X, 2020, 10, .	8.9	8
5	Nanorheology of Interfacial Water during Ice Gliding. Physical Review X, 2019, 9, .	8.9	26
6	MicroMegascope based dynamic surface force apparatus. Nanotechnology, 2019, 30, 195502.	2.6	6
7	Atomic rheology of gold nanojunctions. Nature, 2019, 569, 393-397.	27.8	13
8	Shear thinning in non-Brownian suspensions. Soft Matter, 2018, 14, 879-893.	2.7	69
9	MicroMegascope. Nanotechnology, 2018, 29, 355501.	2.6	6
10	Electrostatic interactions between ions near Thomasâ€“Fermi substrates and the surface energy of ionic crystals at imperfect metals. Faraday Discussions, 2017, 199, 129-158.	3.2	16
11	Nanoscale capillary freezing of ionic liquids confined between metallic interfaces and the role of electronic screening. Nature Materials, 2017, 16, 634-639.	27.5	125
12	Contact Dependence and Velocity Crossover in Friction between Microscopic Solid/Solid Contacts. Nano Letters, 2017, 17, 6335-6339.	9.1	5
13	Electron beam detection of a Nanotube Scanning Force Microscope. Scientific Reports, 2017, 7, 11595.	3.3	12
14	The Landauâ€“Squire plume. Journal of Fluid Mechanics, 2017, 826, .	3.4	9
15	Pairwise frictional profile between particles determines discontinuous shear thickening transition in non-colloidal suspensions. Nature Communications, 2017, 8, 15633.	12.8	142
16	Massive radius-dependent flow slippage in carbon nanotubes. Nature, 2016, 537, 210-213.	27.8	537
17	Scaling Behavior for Ionic Transport and its Fluctuations in Individual Carbon Nanotubes. Physical Review Letters, 2016, 116, 154501.	7.8	158
18	Dynamical backaction cooling with free electrons. Nature Communications, 2015, 6, 8104.	12.8	23

#	Article	IF	Citations
19	Electron beam assisted field evaporation of insulating nanowires/tubes. Applied Physics Letters, 2015, 106, .	3.3	3
20	Ultrahigh interlayer friction in multiwalled boron nitride nanotubes. Nature Materials, 2014, 13, 688-693.	27.5	97
21	Haptic localization and shape recognition of Nano Objects. , 2012, , .		3
22	Multi-sensorial Interface for 3D Teleoperations at Micro and Nanoscale. Lecture Notes in Computer Science, 2010, , 35-42.	1.3	4