

# Antoine Niguã's

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5180696/publications.pdf>

Version: 2024-02-01

22  
papers

1,373  
citations

759233

12  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive radius-dependent flow slippage in carbon nanotubes. <i>Nature</i> , 2016, 537, 210-213.	27.8	537
2	Scaling Behavior for Ionic Transport and its Fluctuations in Individual Carbon Nanotubes. <i>Physical Review Letters</i> , 2016, 116, 154501.	7.8	158
3	Pairwise frictional profile between particles determines discontinuous shear thickening transition in non-colloidal suspensions. <i>Nature Communications</i> , 2017, 8, 15633.	12.8	142
4	Nanoscale capillary freezing of ionic liquids confined between metallic interfaces and the role of electronic screening. <i>Nature Materials</i> , 2017, 16, 634-639.	27.5	125
5	Ultrahigh interlayer friction in multiwalled boron nitride nanotubes. <i>Nature Materials</i> , 2014, 13, 688-693.	27.5	97
6	Shear thinning in non-Brownian suspensions. <i>Soft Matter</i> , 2018, 14, 879-893.	2.7	69
7	Mechanically activated ionic transport across single-digit carbon nanotubes. <i>Nature Materials</i> , 2020, 19, 1057-1061.	27.5	64
8	Enhanced nanofluidic transport in activated carbon nanoconduits. <i>Nature Materials</i> , 2022, 21, 696-702.	27.5	36
9	Nanorheology of Interfacial Water during Ice Gliding. <i>Physical Review X</i> , 2019, 9, .	8.9	26
10	Dynamical backaction cooling with free electrons. <i>Nature Communications</i> , 2015, 6, 8104.	12.8	23
11	Electrostatic interactions between ions near Thomasâ€™Fermi substrates and the surface energy of ionic crystals at imperfect metals. <i>Faraday Discussions</i> , 2017, 199, 129-158.	3.2	16
12	Atomic rheology of gold nanojunctions. <i>Nature</i> , 2019, 569, 393-397.	27.8	13
13	Electron beam detection of a Nanotube Scanning Force Microscope. <i>Scientific Reports</i> , 2017, 7, 11595.	3.3	12
14	Ultrafast photomechanical transduction through thermophoretic implosion. <i>Nature Communications</i> , 2020, 11, 50.	12.8	11
15	The Landauâ€™Squire plume. <i>Journal of Fluid Mechanics</i> , 2017, 826, .	3.4	9
16	Nanotribology of Ionic Liquids: Transition to Yielding Response in Nanometric Confinement with Metallic Surfaces. <i>Physical Review X</i> , 2020, 10, .	8.9	8
17	MicroMegascope. <i>Nanotechnology</i> , 2018, 29, 355501.	2.6	6
18	MicroMegascope based dynamic surface force apparatus. <i>Nanotechnology</i> , 2019, 30, 195502.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Contact Dependence and Velocity Crossover in Friction between Microscopic Solid/Solid Contacts. Nano Letters, 2017, 17, 6335-6339.	9.1	5
20	Multi-sensorial Interface for 3D Teleoperations at Micro and Nanoscale. Lecture Notes in Computer Science, 2010, , 35-42.	1.3	4
21	Haptic localization and shape recognition of Nano Objects. , 2012, , .		3
22	Electron beam assisted field evaporation of insulating nanowires/tubes. Applied Physics Letters, 2015, 106, .	3.3	3