Oscar Yovany Fajardo

List of Publications by Year
in descending order

14	414	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	477
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular dynamics simulation of imidazolium C_nMIM-BF₄ ionic liquids using a coarse grained force-field. Physical Chemistry Chemical Physics, 2020, 22, 1682-1692.	2.8	16
2	Mechanisms of Electrotunable Friction in Friction Force Microscopy Experiments with Ionic Liquids. Journal of Physical Chemistry C, 2018, 122, 5004-5012.	3.1	25
3	Electrotunable lubricity with ionic liquids: the influence of nanoscale roughness. Faraday Discussions, 2017, 199, 279-297.	3.2	20
4	Water in Ionic Liquid Lubricants: Friend and Foe. ACS Nano, 2017, 11, 6825-6831.	14.6	53
5	Electrotunable Lubricity with Ionic Liquid Nanoscale Films. Scientific Reports, 2015, 5, 7698.	3.3	87
6	Electrotunable Friction with Ionic Liquid Lubricants: How Important Is the Molecular Structure of the Ions?. Journal of Physical Chemistry Letters, 2015, 6, 3998-4004.	4.6	87
7	Lateral vibration effects in atomic-scale friction. Applied Physics Letters, 2014, 104, .	3.3	29
8	Out-of-plane and in-plane actuation effects on atomic-scale friction. Physical Review B, 2014, 89, .	3.2	17
9	Anisotropy effects and friction maps in the framework of the 2d PT model. Physica B: Condensed Matter, 2014, 455, 44-48.	2.7	12
10	Friction through reversible jumps of surface atoms. Journal of Physics Condensed Matter, 2014, 26, 315005.	1.8	3
11	Thermal activation at moderate-to-high and high damping: Finite barrier effects and force spectroscopy. Journal of Chemical Physics, 2013, 138, 104105.	3.0	12
12	Anisotropy Effects in Atomic-Scale Friction. Tribology Letters, 2012, 48, 33-39.	2.6	12
13	Surface defects and temperature on atomic friction. Journal of Physics Condensed Matter, 2011, 23, 355008.	1.8	11
14	Effects of surface disorder and temperature on atomic friction. Physical Review B, 2010, 82, .	3.2	30