

# Oscar Yovany Fajardo

## List of Publications by Year in descending order

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