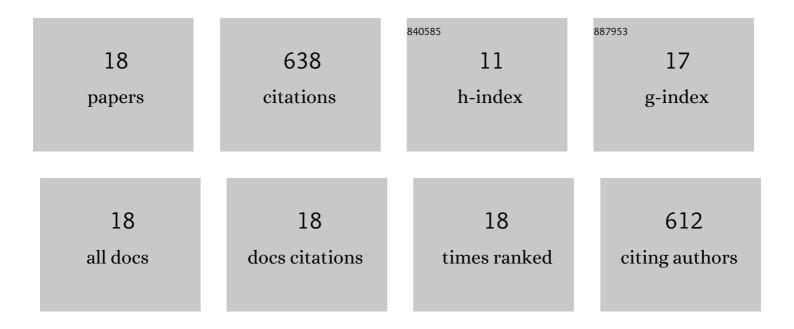
Itay Barel

List of Publications by Year in descending order

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Ιταν Βαρει

#	Article	IF	CITATIONS
1	Multibond Dynamics of Nanoscale Friction: The Role of Temperature. Physical Review Letters, 2010, 104, 066104.	2.9	136
2	Dynamics of Transition from Static to Kinetic Friction. Physical Review Letters, 2009, 103, 194301.	2.9	123
3	Probing static disorder in Arrhenius kinetics by single-molecule force spectroscopy. Proceedings of the United States of America, 2010, 107, 11336-11340.	3.3	65
4	Slow Cracklike Dynamics at the Onset of Frictional Sliding. Physical Review Letters, 2011, 107, 235501.	2.9	56
5	Friction on a Microstructured Elastomer Surface. Tribology Letters, 2013, 50, 3-15.	1.2	53
6	Stabilizing Stick-Slip Friction. Physical Review Letters, 2011, 107, 024301.	2.9	46
7	Temperature Dependence of Friction at the Nanoscale: When the Unexpected Turns Normal. Tribology Letters, 2010, 39, 311-319.	1.2	43
8	Slip Sequences in Laboratory Experiments Resulting from Inhomogeneous Shear as Analogs of Earthquakes Associated with a Fault Edge. Pure and Applied Geophysics, 2011, 168, 2151-2166.	0.8	27
9	Lipid diffusion in the distal and proximal leaflets of supported lipid bilayer membranes studied by single particle tracking. Journal of Chemical Physics, 2018, 148, 123333.	1.2	26
10	Formation and rupture of capillary bridges in atomic scale friction. Journal of Chemical Physics, 2012, 137, 164706.	1.2	23
11	Probing and tuning frictional aging at the nanoscale. Scientific Reports, 2013, 3, 1896.	1.6	16
12	Extracting enzyme processivity from kinetic assays. Journal of Chemical Physics, 2015, 143, 224115.	1.2	6
13	On the generality of Michaelian kinetics. Journal of Chemical Physics, 2017, 146, 014101.	1.2	6
14	Specificity versus Processivity in the Sequential Modification of DNA: A Study of DNA Adenine Methyltransferase. Journal of Physical Chemistry B, 2018, 122, 1112-1120.	1.2	5
15	Friction through reversible jumps of surface atoms. Journal of Physics Condensed Matter, 2014, 26, 315005.	0.7	3
16	Effect of Capillary Condensation on Nanoscale Friction. Nanoscience and Technology, 2015, , 313-330.	1.5	3
17	Integrated rate laws for processive and distributive enzymatic turnover. Journal of Chemical Physics, 2019, 150, 244120.	1.2	1
18	Extracting Enzyme Processivity from Kinetic Assays. Biophysical Journal, 2016, 110, 241a.	0.2	0