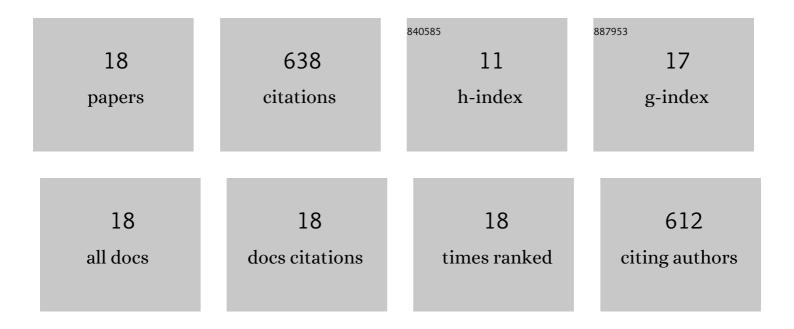
Itay Barel

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 |