

# Daniel Kiracofe

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

396  
citations

933447

10  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic AFM on Viscoelastic Polymer Samples with Surface Forces. <i>Macromolecules</i> , 2018, 51, 9649-9661.	4.8	20
2	Nonlinear dynamics of atomic force microscope microcantilevers in liquid environments - a review. <i>Nonlinear Theory and Its Applications IEICE</i> , 2013, 4, 184-197.	0.6	1
3	Multiple regimes of operation in bimodal AFM: understanding the energy of cantilever eigenmodes. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 385-393.	2.8	45
4	Gaining insight into the physics of dynamic atomic force microscopy in complex environments using the VEDA simulator. <i>Review of Scientific Instruments</i> , 2012, 83, 013702.	1.3	29
5	Nonlinear dynamics of the atomic force microscope at the liquid-solid interface. <i>Physical Review B</i> , 2012, 86, .	3.2	14
6	Resolving Structure and Mechanical Properties at the Nanoscale of Viruses with Frequency Modulation Atomic Force Microscopy. <i>PLoS ONE</i> , 2012, 7, e30204.	2.5	30
7	Quantitative force and dissipation measurements in liquids using piezo-excited atomic force microscopy: a unifying theory. <i>Nanotechnology</i> , 2011, 22, 485502.	2.6	36
8	High efficiency laser photothermal excitation of microcantilever vibrations in air and liquids. <i>Review of Scientific Instruments</i> , 2011, 82, 013702.	1.3	63
9	Microcantilever dynamics in liquid environment dynamic atomic force microscopy when using higher-order cantilever eigenmodes. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	23
10	Calibration of higher eigenmode spring constants of atomic force microscope cantilevers. <i>Nanotechnology</i> , 2010, 21, 465502.	2.6	60
11	On eigenmodes, stiffness, and sensitivity of atomic force microscope cantilevers in air versus liquids. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	75