

Nancy A Burnham

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

421
citations

933447

10
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

529
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface microstructure of bitumen characterized by atomic force microscopy. <i>Advances in Colloid and Interface Science</i> , 2015, 218, 17-33.	14.7	117
2	Precision and accuracy of thermal calibration of atomic force microscopy cantilevers. <i>Review of Scientific Instruments</i> , 2006, 77, 083703.	1.3	112
3	Optimal roughness for minimal adhesion. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	43
4	Model for mechanical properties nanoprobes. <i>Journal of Materials Research</i> , 2000, 15, 2006-2014.	2.6	32
5	Quantitative assessment of sample stiffness and sliding friction from force curves in atomic force microscopy. <i>Journal of Applied Physics</i> , 2010, 107, 044305.	2.5	25
6	Standard-deviation minimization for calibrating the radii of spheres attached to atomic force microscope cantilevers. <i>Review of Scientific Instruments</i> , 2004, 75, 1359-1362.	1.3	18
7	Calcium-Mediated Adhesion of Nanomaterials in Reservoir Fluids. <i>Scientific Reports</i> , 2017, 7, 11613.	3.3	14
8	Which Fractal Parameter Contributes Most to Adhesion?. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 2383-2396.	2.6	13
9	Understanding Calcium-Mediated Adhesion of Nanomaterials in Reservoir Fluids by Insights from Molecular Dynamics Simulations. <i>Scientific Reports</i> , 2019, 9, 10763.	3.3	12
10	Annealing effects on interdiffusion in layered FA-rich perovskite solar cells. <i>AIP Advances</i> , 2021, 11, .	1.3	12
11	Specific Ion Effects at Calcite Surface Defects Impact Nanomaterial Adhesion. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17648-17654.	3.1	9
12	Recommendations for the Use of an Atomic Force Microscope as an In-Fab Stiction Monitor. <i>Journal of Microelectromechanical Systems</i> , 2007, 16, 694-699.	2.5	6
13	A high throughput MATLAB program for automated force-curve processing using the AdG polymer model. <i>Journal of Microbiological Methods</i> , 2015, 109, 31-38.	1.6	5
14	Nanoscale Hyperspectral Characterization of Source Rock in Unconventional Reservoirs using Photo-Induced Force Microscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 1040-1041.	0.4	3
15	Apparatus for illuminating the tip-sample interface of an atomic force microscope. <i>Review of Scientific Instruments</i> , 2003, 74, 94-99.	1.3	0
16	New looks at old materials: Nano-mechanics and nano-chemistry of shale and bitumen. , 2016, , .		0
17	Perspectives on Atomic-Force Microscopy Education. <i>Microscopy and Microanalysis</i> , 2017, 23, 2298-2299.	0.4	0