

# Nancy A Burnham

## List of Publications by Year in descending order

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17  
papers

421  
citations

933447

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h-index

1058476

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17  
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17  
docs citations

17  
times ranked

529  
citing authors

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