

Eric Lesniewska

List of Publications by Year in descending order

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79
papers

3,016
citations

186209

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168321

53
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82
all docs

82
docs citations

82
times ranked

3150
citing authors

#	ARTICLE	IF	CITATIONS
1	Conformation of Adsorbed Comb Copolymer Dispersants. <i>Langmuir</i> , 2009, 25, 845-855.	1.6	190
2	Imaging of the Surface of Living Cells by Low-Force Contact-Mode Atomic Force Microscopy. <i>Biophysical Journal</i> , 1998, 75, 695-703.	0.2	167
3	Nanoscale Experimental Investigation of Particle Interactions at the Origin of the Cohesion of Cement. <i>Langmuir</i> , 2005, 21, 7263-7270.	1.6	162
4	Study of C-S-H growth on C3S surface during its early hydration. <i>Materials and Structures/Materiaux Et Constructions</i> , 2005, 38, 435-442.	1.3	157
5	Distribution of Ganglioside GM1 between Two-Component, Two-Phase Phosphatidylcholine Monolayers. <i>Langmuir</i> , 1998, 14, 4574-4583.	1.6	124
6	Phase Topology and Growth of Single Domains in Lipid Bilayers. <i>Langmuir</i> , 2001, 17, 1653-1659.	1.6	120
7	Surface topography of membrane domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 703-718.	1.4	117
8	Investigation of the surface structure and elastic properties of calcium silicate hydrates at the nanoscale. <i>Ultramicroscopy</i> , 2004, 100, 331-338.	0.8	113
9	Synthesis and Characterization of Palladium Nanoparticle/Polypyrrole Composites. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19878-19885.	1.5	110
10	Facile approaches to build ordered amphiphilic tris(phthalocyaninato) europium triple-decker complex thin films and their comparative performances in ozone sensing. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12851.	1.3	106
11	Superficial defects induced by argon and oxygen bombardments on (110) TiO ₂ surfaces. <i>Surface Science</i> , 1998, 410, 250-257.	0.8	100
12	Investigation by atomic force microscopy of forces at the origin of cement cohesion. <i>Ultramicroscopy</i> , 2001, 86, 11-21.	0.8	98
13	Imaging of the membrane surface of MDCK cells by atomic force microscopy. <i>Biophysical Journal</i> , 1994, 67, 36-41.	0.2	91
14	Dry powder inhaler: influence of humidity on topology and adhesion studied by AFM. <i>International Journal of Pharmaceutics</i> , 2002, 232, 213-224.	2.6	81
15	Detection of defects buried in metallic samples by scanning microwave microscopy. <i>Physical Review B</i> , 2011, 83, .	1.1	81
16	Mechanisms of astringency: Structural alteration of the oral mucosal pellicle by dietary tannins and protective effect of bPRPs. <i>Food Chemistry</i> , 2018, 253, 79-87.	4.2	81
17	Tapping-mode atomic force microscopy on intact cells: optimal adjustment of tapping conditions by using the deflection signal. <i>Ultramicroscopy</i> , 2000, 82, 279-288.	0.8	64
18	In Situ Imaging of Detergent-Resistant Membranes by Atomic Force Microscopy. <i>Journal of Structural Biology</i> , 2000, 131, 38-43.	1.3	59

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19	Detection of Peptide-Lipid Interactions in Mixed Monolayers, Using Isotherms, Atomic Force Microscopy, and Fourier Transform Infrared Analyses. <i>Biophysical Journal</i> , 2000, 78, 846-856.	0.2	55
20	Affinity scale between a carrier and a drug in DPI studied by atomic force microscopy. <i>International Journal of Pharmaceutics</i> , 2002, 247, 127-137.	2.6	50
21	Perspectives on Astringency Sensation: An Alternative Hypothesis on the Molecular Origin of Astringency. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3822-3826.	2.4	41
22	Cell wall modification in grapevine cells in response to UV stress investigated by atomic force microscopy. <i>Ultramicroscopy</i> , 2004, 100, 171-178.	0.8	40
23	Enhanced chemosensing of ammonia based on the novel molecular semiconductor-doped insulator (MSDI) heterojunctions. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 165-173.	4.0	38
24	Reactivity of gypsum faces according to the relative humidity by scanning force microscopy. <i>Surface Science</i> , 1997, 384, 201-217.	0.8	35
25	Lipid-Induced Organization of a Primary Amphipathic Peptide: A Coupled AFM-Monolayer Study. <i>Journal of Membrane Biology</i> , 1999, 167, 241-249.	1.0	35
26	Investigations of surface forces between gypsum crystals in electrolytic solutions using microcantilevers. <i>Journal of Chemical Physics</i> , 1999, 111, 6590-6598.	1.2	33
27	Investigations of Surface Forces between Gypsum Microcrystals in Air Using Atomic Force Microscopy. <i>Langmuir</i> , 2000, 16, 4237-4244.	1.6	31
28	Combining infrared and mode synthesizing atomic force microscopy: Application to the study of lipid vesicles inside <i>Streptomyces</i> bacteria. <i>Nano Research</i> , 2016, 9, 1674-1681.	5.8	29
29	Electrosynthesis and properties of poly(3,4-ethylenedioxythiophene) films functionalized with titanocene dichloride complex. <i>Electrochimica Acta</i> , 2006, 51, 2108-2119.	2.6	28
30	Aggregation of Calcium Silicate Hydrate Nanoplatelets. <i>Langmuir</i> , 2016, 32, 2058-2066.	1.6	28
31	Atomic Force Microscope Imaging of Cells and Membranes. <i>Methods in Cell Biology</i> , 2002, 68, 51-65.	0.5	26
32	Molybdenum deposition on TiO ₂ (110) surfaces with different stoichiometries. <i>Applied Surface Science</i> , 1999, 142, 114-119.	3.1	24
33	Impact of optical and structural aging in As ₂ S ₃ microstructured optical fibers on mid-infrared supercontinuum generation. <i>Optics Express</i> , 2014, 22, 23912.	1.7	24
34	Measuring magnetic susceptibilities of nanogram quantities of materials using microcantilevers. <i>Ultramicroscopy</i> , 2001, 86, 175-180.	0.8	22
35	The use of 3-D electric field analysis and the analytical approach for improvement of a combined instrument transformer insulation system. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 1233-1236.	1.2	20
36	Synthesis of polymer materials for use as cell culture substrates. <i>Electrochimica Acta</i> , 2007, 53, 1114-1126.	2.6	20

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37	Occurrence and stability of hetero-hexamer associations formed by Î²-carboxysome CcmK shell components. PLoS ONE, 2019, 14, e0223877.	1.1	20
38	Polysaccharide Chain Length of Lipopolysaccharides From Salmonella Minnesota Is a Determinant of Aggregate Stability, Plasma Residence Time and Proinflammatory Propensity in vivo. Frontiers in Microbiology, 2019, 10, 1774.	1.5	20
39	Correlating surface forces with surface reactivity of gypsum crystals by atomic force microscopy. Comparison with rheological properties of plaster. Solid State Ionics, 2001, 141-142, 39-46.	1.3	18
40	Label-free sensing and atomic force spectroscopy for the characterization of protein-DNA and protein-protein interactions: application to estrogen receptors. Journal of Molecular Recognition, 2011, 24, 429-435.	1.1	18
41	Advances in quantitative nanoscale subsurface imaging by mode-synthesizing atomic force microscopy. Applied Physics Letters, 2014, 105, .	1.5	18
42	Nano-pH Sensor for the Study of Reactive Materials. Analytical Chemistry, 2007, 79, 7560-7564.	3.2	17
43	Homogeneous large-scale crystalline nanoparticle-covered substrate with high SERS performance. Nanotechnology, 2015, 26, 245302.	1.3	17
44	Spontaneous non-canonical assembly of CcmK hexameric components from Î²-carboxysome shells of cyanobacteria. PLoS ONE, 2017, 12, e0185109.	1.1	17
45	Tapping Mode Atomic Force Microscopy allows the in situ Imaging of Fragile Membrane Structures and of Intact Cells Surface at High Resolution. Single Molecules, 2000, 1, 105-107.	1.6	16
46	Correlation between surface forces and surface reactivity in the setting of plaster by atomic force microscopy. Applied Surface Science, 2000, 161, 316-322.	3.1	16
47	HS-AFM and SERS Analysis of Murine Norovirus Infection: Involvement of the Lipid Rafts. Small, 2017, 13, 1600918.	5.2	16
48	Mode-synthesizing atomic force microscopy for 3D reconstruction of embedded low-density dielectric nanostructures. Nano Research, 2015, 8, 2199-2205.	5.8	15
49	Nanoscale Mapping of the Physical Surface Properties of Human Buccal Cells and Changes Induced by Saliva. Langmuir, 2019, 35, 12647-12655.	1.6	15
50	Self-Assembly Properties and Dynamics of Synthetic Proteo-Nucleic Building Blocks in Solution and on Surfaces. Bioconjugate Chemistry, 2011, 22, 1824-1834.	1.8	14
51	Fabrication of Annealed Gold Nanostructures on Pre-Treated Glow-Discharge Cleaned Glasses and Their Used for Localized Surface Plasmon Resonance (LSPR) and Surface Enhanced Raman Spectroscopy (SERS) Detection of Adsorbed (Bio)molecules. Sensors, 2017, 17, 236.	2.1	14
52	Surface-promoted aggregation of amphiphilic quadruplex ligands drives their selectivity for alternative DNA structures. Organic and Biomolecular Chemistry, 2015, 13, 7034-7039.	1.5	13
53	First images obtained in the near infrared spectrum with the photon scanning tunneling microscope. Optics Communications, 1993, 102, 1-5.	1.0	12
54	Surface preparation influence on the initial stages of MOCVD growth of TiO2 thin films. Thin Solid Films, 2006, 515, 687-690.	0.8	12

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55	Simultaneous imaging of the surface and the submembraneous cytoskeleton in living cells by tapping mode atomic force microscopy. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 1997, 320, 637-643.	0.8	11
56	Shear force microscopy with a nanoscale resolution. <i>Ultramicroscopy</i> , 2005, 103, 229-236.	0.8	11
57	From surface to intracellular non-invasive nanoscale study of living cells impairments. <i>Nanotechnology</i> , 2014, 25, 295101.	1.3	11
58	Observation of the Posterior Endothelial Surface of the Rabbit Cornea Using Atomic Force Microscopy. <i>Cornea</i> , 2003, 22, 651-664.	0.9	10
59	Interfacial Behavior of Goat Kappa Casein: Ellipsometry and Atomic Force Microscopy Study. <i>Single Molecules</i> , 2002, 3, 127-133.	1.6	8
60	Atmospheric aging and surface degradation in As ₂ S ₃ fibers in relation with suspended-core profile. <i>Optical Materials</i> , 2015, 44, 25-32.	1.7	8
61	Imaging Artificial Membranes Using High-Speed Atomic Force Microscopy. <i>Methods in Molecular Biology</i> , 2019, 1886, 45-59.	0.4	7
62	Mapping the influence of stress on the surface elasticity with an atomic force microscope. <i>Applied Physics Letters</i> , 1998, 73, 2938-2940.	1.5	6
63	Non-destructive technique to detect local buried defects in metal sample by scanning microwave microscopy. <i>Sensors and Actuators A: Physical</i> , 2012, 186, 219-222.	2.0	6
64	High-resolution characterization of the diffusion of light chemical elements in metallic components by scanning microwave microscopy. <i>Nanoscale</i> , 2014, 6, 14932-14938.	2.8	6
65	Atomic-force microscopy imaging of plasma membranes purified from spinach leaves. <i>Protoplasma</i> , 2000, 212, 46-55.	1.0	5
66	In vitro induction of differentiation by retinoic acid in an immortalized olfactory neuronal cell line. <i>Acta Histochemica</i> , 2007, 109, 111-121.	0.9	5
67	Nanobioengineering and Characterization of a Novel Estrogen Receptor Biosensor. <i>Sensors</i> , 2008, 8, 4413-4428.	2.1	5
68	ERE-dependent transcription and cell proliferation: Independency of these two processes mediated by the introduction of a sulfone function into the weak estrogen estrothiazine. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 169-181.	1.9	5
69	Study of ageing of dry powder inhaler and metered dose inhaler by atomic force microscopy. <i>Powder Technology</i> , 2011, 208, 252-259.	2.1	4
70	Scanning tunnelling microscopy of 16S ribosomal RNA in water. <i>Biochemical and Biophysical Research Communications</i> , 1991, 178, 1280-1287.	1.0	3
71	Transversal mode and thermal analysis of an InP laser diode by near-field scanning probe microscopies. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1888.	0.9	3
72	Design and experimental validation of a generic model for combinatorial assembly of DNA tiles into 1D-structures. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 603-611.	1.1	2

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73	Management of <i>Listeria monocytogenes</i> on Surfaces via Relative Air Humidity: Key Role of Cell Envelope. <i>Foods</i> , 2021, 10, 2002.	1.9	2
74	Images of 16S ribosomal RNA by scanning tunnelling microscopy. <i>Journal of Microscopy</i> , 1991, 163, 287-294.	0.8	1
75	Microwave Spectroscopic Detection of Human Hsp70 Protein on Annealed Gold Nanostructures on ITO Glass Strips. <i>Biosensors</i> , 2018, 8, 118.	2.3	0
76	Title is missing!. , 2019, 14, e0223877.		0
77	Title is missing!. , 2019, 14, e0223877.		0
78	Title is missing!. , 2019, 14, e0223877.		0
79	Title is missing!. , 2019, 14, e0223877.		0