

Eric Lesniewska

List of Publications by Year in descending order

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79
papers

3,016
citations

186209

28
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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	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
2	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
3	Occurrence and stability of hetero-hexameric associations formed by \hat{I}^2 -carboxysome CcmK shell components. <i>PLoS ONE</i> , 2019, 14, e0223877.	1.1	20
4	Nanoscale Mapping of the Physical Surface Properties of Human Buccal Cells and Changes Induced by Saliva. <i>Langmuir</i> , 2019, 35, 12647-12655.	1.6	15
5	Polysaccharide Chain Length of Lipopolysaccharides From <i>Salmonella</i> Minnesota Is a Determinant of Aggregate Stability, Plasma Residence Time and Proinflammatory Propensity in vivo. <i>Frontiers in Microbiology</i> , 2019, 10, 1774.	1.5	20
6	Imaging Artificial Membranes Using High-Speed Atomic Force Microscopy. <i>Methods in Molecular Biology</i> , 2019, 1886, 45-59.	0.4	7
7	Title is missing!. , 2019, 14, e0223877.		0
8	Title is missing!. , 2019, 14, e0223877.		0
9	Title is missing!. , 2019, 14, e0223877.		0
10	Title is missing!. , 2019, 14, e0223877.		0
11	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
12	Microwave Spectroscopic Detection of Human Hsp70 Protein on Annealed Gold Nanostructures on ITO Glass Strips. <i>Biosensors</i> , 2018, 8, 118.	2.3	0
13	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
14	HS-AFM and SERS Analysis of Murine Norovirus Infection: Involvement of the Lipid Rafts. <i>Small</i> , 2017, 13, 1600918.	5.2	16
15	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. <i>Sensors</i> , 2017, 17, 236.	2.1	14
16	Spontaneous non-canonical assembly of CcmK hexameric components from \hat{I}^2 -carboxysome shells of cyanobacteria. <i>PLoS ONE</i> , 2017, 12, e0185109.	1.1	17
17	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
18	Aggregation of Calcium Silicate Hydrate Nanoplatelets. <i>Langmuir</i> , 2016, 32, 2058-2066.	1.6	28

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19	Mode-synthesizing atomic force microscopy for 3D reconstruction of embedded low-density dielectric nanostructures. <i>Nano Research</i> , 2015, 8, 2199-2205.	5.8	15
20	Surface-promoted aggregation of amphiphilic quadruplex ligands drives their selectivity for alternative DNA structures. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7034-7039.	1.5	13
21	Homogeneous large-scale crystalline nanoparticle-covered substrate with high SERS performance. <i>Nanotechnology</i> , 2015, 26, 245302.	1.3	17
22	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
23	From surface to intracellular non-invasive nanoscale study of living cells impairments. <i>Nanotechnology</i> , 2014, 25, 295101.	1.3	11
24	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
25	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
26	Advances in quantitative nanoscale subsurface imaging by mode-synthesizing atomic force microscopy. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	18
27	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
28	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
29	Self-Assembly Properties and Dynamics of Synthetic Proteoâ€œNucleic Building Blocks in Solution and on Surfaces. <i>Bioconjugate Chemistry</i> , 2011, 22, 1824-1834.	1.8	14
30	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
31	Labelâ€œfree sensing and atomic force spectroscopy for the characterization of proteinâ€œDNA and proteinâ€œprotein interactions: application to estrogen receptors. <i>Journal of Molecular Recognition</i> , 2011, 24, 429-435.	1.1	18
32	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
33	Detection of defects buried in metallic samples by scanning microwave microscopy. <i>Physical Review B</i> , 2011, 83, .	1.1	81
34	Surface topography of membrane domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 703-718.	1.4	117
35	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
36	Conformation of Adsorbed Comb Copolymer Dispersants. <i>Langmuir</i> , 2009, 25, 845-855.	1.6	190

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37	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
38	Synthesis and Characterization of Palladium Nanoparticle/Polypyrrole Composites. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19878-19885.	1.5	110
39	Nanobioengineering and Characterization of a Novel Estrogen Receptor Biosensor. <i>Sensors</i> , 2008, 8, 4413-4428.	2.1	5
40	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
41	Nano-pH Sensor for the Study of Reactive Materials. <i>Analytical Chemistry</i> , 2007, 79, 7560-7564.	3.2	17
42	Synthesis of polymer materials for use as cell culture substrates. <i>Electrochimica Acta</i> , 2007, 53, 1114-1126.	2.6	20
43	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
44	Surface preparation influence on the initial stages of MOCVD growth of TiO ₂ thin films. <i>Thin Solid Films</i> , 2006, 515, 687-690.	0.8	12
45	Shear force microscopy with a nanoscale resolution. <i>Ultramicroscopy</i> , 2005, 103, 229-236.	0.8	11
46	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
47	Nanoscale Experimental Investigation of Particle Interactions at the Origin of the Cohesion of Cement. <i>Langmuir</i> , 2005, 21, 7263-7270.	1.6	162
48	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
49	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
50	Observation of the Posterior Endothelial Surface of the Rabbit Cornea Using Atomic Force Microscopy. <i>Cornea</i> , 2003, 22, 651-664.	0.9	10
51	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
52	Atomic Force Microscope Imaging of Cells and Membranes. <i>Methods in Cell Biology</i> , 2002, 68, 51-65.	0.5	26
53	Interfacial Behavior of Goat Kappa Casein: Ellipsometry and Atomic Force Microscopy Study. <i>Single Molecules</i> , 2002, 3, 127-133.	1.6	8
54	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

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55	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
56	Phase Topology and Growth of Single Domains in Lipid Bilayers. <i>Langmuir</i> , 2001, 17, 1653-1659.	1.6	120
57	Correlating surface forces with surface reactivity of gypsum crystals by atomic force microscopy. Comparison with rheological properties of plaster. <i>Solid State Ionics</i> , 2001, 141-142, 39-46.	1.3	18
58	Measuring magnetic susceptibilities of nanogram quantities of materials using microcantilevers. <i>Ultramicroscopy</i> , 2001, 86, 175-180.	0.8	22
59	Investigation by atomic force microscopy of forces at the origin of cement cohesion. <i>Ultramicroscopy</i> , 2001, 86, 11-21.	0.8	98
60	Tapping Mode Atomic Force Microscopy allows the in situ Imaging of Fragile Membrane Structures and of Intact Cells Surface at High Resolution. <i>Single Molecules</i> , 2000, 1, 105-107.	1.6	16
61	Correlation between surface forces and surface reactivity in the setting of plaster by atomic force microscopy. <i>Applied Surface Science</i> , 2000, 161, 316-322.	3.1	16
62	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
63	Atomic-force microscopy imaging of plasma membranes purified from spinach leaves. <i>Protoplasma</i> , 2000, 212, 46-55.	1.0	5
64	In Situ Imaging of Detergent-Resistant Membranes by Atomic Force Microscopy. <i>Journal of Structural Biology</i> , 2000, 131, 38-43.	1.3	59
65	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
66	Investigations of Surface Forces between Gypsum Microcrystals in Air Using Atomic Force Microscopy. <i>Langmuir</i> , 2000, 16, 4237-4244.	1.6	31
67	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
68	Molybdenum deposition on TiO ₂ (110) surfaces with different stoichiometries. <i>Applied Surface Science</i> , 1999, 142, 114-119.	3.1	24
69	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
70	Superficial defects induced by argon and oxygen bombardments on (110) TiO ₂ surfaces. <i>Surface Science</i> , 1998, 410, 250-257.	0.8	100
71	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
72	Distribution of Ganglioside GM1 between Two-Component, Two-Phase Phosphatidylcholine Monolayers. <i>Langmuir</i> , 1998, 14, 4574-4583.	1.6	124

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73	Mapping the influence of stress on the surface elasticity with an atomic force microscope. Applied Physics Letters, 1998, 73, 2938-2940.	1.5	6
74	Simultaneous imaging of the surface and the submembraneous cytoskeleton in living cells by tapping mode atomic force microscopy. Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie, 1997, 320, 637-643.	0.8	11
75	Reactivity of gypsum faces according to the relative humidity by scanning force microscopy. Surface Science, 1997, 384, 201-217.	0.8	35
76	Imaging of the membrane surface of MDCK cells by atomic force microscopy. Biophysical Journal, 1994, 67, 36-41.	0.2	91
77	First images obtained in the near infrared spectrum with the photon scanning tunneling microscope. Optics Communications, 1993, 102, 1-5.	1.0	12
78	Scanning tunnelling microscopy of 16S ribosomal RNA in water. Biochemical and Biophysical Research Communications, 1991, 178, 1280-1287.	1.0	3
79	Images of 16S ribosomal RNA by scanning tunnelling microscopy. Journal of Microscopy, 1991, 163, 287-294.	0.8	1