Yoo Jin Oh

List of Publications by Year
in descending order

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35	1,031	566801 15	414034 32
papers	citations	h-index	g-index

37	37	37	1672
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanomechanical mechanisms of Lyme disease spirochete motility enhancement in extracellular matrix. Communications Biology, 2021, 4, 268.	2.0	9
2	Identification of lectin receptors for conserved SARSâ€CoVâ€2 glycosylation sites. EMBO Journal, 2021, 40, e108375.	3.5	44
3	Force spectroscopy of single cells using atomic force microscopy. Nature Reviews Methods Primers, 2021, 1, .	11.8	61
4	3D multiphoton lithography using biocompatible polymers with specific mechanical properties. Nanoscale Advances, 2020, 2, 2422-2428.	2.2	17
5	Nanoscale Characteristics and Antimicrobial Properties of (SI-ATRP)-Seeded Polymer Brush Surfaces. ACS Applied Materials & Interfaces, 2019, 11, 29312-29319.	4.0	49
6	Ultra-Sensitive and Label-Free Probing of Binding Affinity Using Recognition Imaging. Nano Letters, 2019, 19, 612-617.	4.5	14
7	Investigation of Bacterial Curli Production and Adhesion Using AFM. Methods in Molecular Biology, 2019, 1886, 221-231.	0.4	2
8	Lipoteichoic acid mediates binding of a Lactobacillus S-layer protein. Glycobiology, 2018, 28, 148-158.	1.3	16
9	Atomic Force Microscopy (AFM) for Topography and Recognition Imaging at Single-Molecule Level. , 2018, , 1-14.		0
10	Sensing the Ultrastructure of Bacterial Surfaces and Their Molecular Binding Forces Using AFM. Methods in Molecular Biology, 2018, 1814, 363-372.	0.4	3
11	Characterizing the effect of polymyxin <scp>B</scp> antibiotics to lipopolysaccharide on <scp>EscherichiaÂcoli</scp> surface using atomic force microscopy. Journal of Molecular Recognition, 2017, 30, e2605.	1.1	24
12	Biomedical Sensing with the Atomic Force Microscope. , 2017, , 135-173.		0
13	Curli mediate bacterial adhesion to fibronectin via tensile multiple bonds. Scientific Reports, 2016, 6, 33909.	1.6	50
14	Calibrated complex impedance of CHO cells andE.colibacteria at GHz frequencies using scanning microwave microscopy. Nanotechnology, 2016, 27, 135702.	1.3	36
15	Nanoscale characteristics of antibacterial cationic polymeric brushes and single bacterium interactions probed by force microscopy. RSC Advances, 2016, 6, 17092-17099.	1.7	13
16	Designing of dynamic polyethyleneimine (PEI) brushes on polyurethane (PU) ureteral stents to prevent infections. Acta Biomaterialia, 2015, 21, 44-54.	4.1	52
17	Influence of Surface Morphology on the Antimicrobial Effect of Transition Metal Oxides in Polymer Surface. Journal of Nanoscience and Nanotechnology, 2015, 15, 7853-7859.	0.9	12
18	Characterizing the Sâ€layer structure and antiâ€Sâ€layer antibody recognition on intact Tannerella forsythia cells by scanning probe microscopy and small angle Xâ€ray scattering. Journal of Molecular Recognition, 2013, 26, 542-549.	1.1	16

#	Article	IF	Citations
19	Characterization of Curli A Production on Living Bacterial Surfaces byÂScanning Probe Microscopy. Biophysical Journal, 2012, 103, 1666-1671.	0.2	25
20	Analysis of the cell surface layer ultrastructure of the oral pathogen Tannerella forsythia. Archives of Microbiology, 2012, 194, 525-539.	1.0	37
21	AFM study of the differential inhibitory effects of the green tea polyphenol (â˜)-epigallocatechin-3-gallate (EGCG) against Gram-positive and Gram-negative bacteria. Food Microbiology, 2012, 29, 80-87.	2.1	166
22	High-frequency electromagnetic dynamics properties of THP1 cells using scanning microwave microscopy. Ultramicroscopy, 2011, 111, 1625-1629.	0.8	23
23	Studying the Effect of Alginate Overproduction on <I>Pseudomonas aeruginosa</I> Biofilm by Atomic Force Microscopy. Journal of Nanoscience and Nanotechnology, 2011, 11, 5676-5681.	0.9	9
24	Calibrated nanoscale capacitance measurements using a scanning microwave microscope. Review of Scientific Instruments, 2010, 81, 113701.	0.6	128
25	Effects of substrates on biofilm formation observed by atomic force microscopy. Ultramicroscopy, 2009, 109, 874-880.	0.8	102
26	Microstructural Properties of Phase-Change Ge₂Sb₂Te₅ Nanoparticles Grown by Pulsed-Laser Ablation. Journal of Nanoscience and Nanotechnology, 2009, 9, 901-904.	0.9	3
27	Micropatterning of bacteria on two-dimensional lattice protein surface observed by atomic force microscopy. Ultramicroscopy, 2008, 108, 1124-1127.	0.8	6
28	Nanoscale observation of local bound charges of patterned protein arrays by scanning force microscopy. Nanotechnology, 2008, 19, 365302.	1.3	1
29	Charge retention behavior of preferentially oriented and textured Bi3.25La0.75Ti3O12 thin films by electrostatic force microscopy. Applied Physics Letters, 2007, 90, 082901.	1.5	7
30	Biofilm formation and local electrostatic force characteristics ofEscherichia coliO157:H7 observed by electrostatic force microscopy. Applied Physics Letters, 2007, 90, 143901.	1.5	15
31	Local retention behaviors of epitaxial and polycrystalline PbMg1â^•3Nb2â^•3O3â€“PbTiO3 thin films by scanning force microscopy. Applied Physics Letters, 2007, 91, .	1.5	10
32	Influence of culture conditions on Escherichia coli O157:H7 biofilm formation by atomic force microscopy. Ultramicroscopy, 2007, 107, 869-874.	0.8	62
33	Piezoelectric and electromechanical properties of relaxor ferroelectric Pb(Mg1/3Nb2/3)O3(65%)â€“PbTiO3(35%) thin films observed by scanning force microscopy. Ultramicroscopy, 2007, 107, 954-957.	0.8	3
34	Observation of self-assembled fluorescent beads by scanning near-field optical microscopy and atomic force microscopy. Ultramicroscopy, 2006, 106, 775-778.	0.8	1
35	Dynamics of space and polarization charges of ferroelectric thin films measured by atomic force microscopy. Ultramicroscopy, 2006, 106, 779-784.	0.8	7