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	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
2	Calibrated nanoscale capacitance measurements using a scanning microwave microscope. Review of Scientific Instruments, 2010, 81, 113701.	0.6	128
3	Effects of substrates on biofilm formation observed by atomic force microscopy. Ultramicroscopy, 2009, 109, 874-880.	0.8	102
4	Influence of culture conditions on Escherichia coli O157:H7 biofilm formation by atomic force microscopy. Ultramicroscopy, 2007, 107, 869-874.	0.8	62
5	Force spectroscopy of single cells using atomic force microscopy. Nature Reviews Methods Primers, 2021, 1, .	11.8	61
6	Designing of dynamic polyethyleneimine (PEI) brushes on polyurethane (PU) ureteral stents to prevent infections. Acta Biomaterialia, 2015, 21, 44-54.	4.1	52
7	Curli mediate bacterial adhesion to fibronectin via tensile multiple bonds. Scientific Reports, 2016, 6, 33909.	1.6	50
8	Nanoscale Characteristics and Antimicrobial Properties of (SI-ATRP)-Seeded Polymer Brush Surfaces. ACS Applied Materials & Interfaces, 2019, 11, 29312-29319.	4.0	49
9	Identification of lectin receptors for conserved SARSâ€CoVâ€2 glycosylation sites. EMBO Journal, 2021, 40, e108375.	3.5	44
10	Analysis of the cell surface layer ultrastructure of the oral pathogen Tannerella forsythia. Archives of Microbiology, 2012, 194, 525-539.	1.0	37
11	Calibrated complex impedance of CHO cells andE.colibacteria at GHz frequencies using scanning microwave microscopy. Nanotechnology, 2016, 27, 135702.	1.3	36
12	Characterization of Curli A Production on Living Bacterial Surfaces byÂScanning Probe Microscopy. Biophysical Journal, 2012, 103, 1666-1671.	0.2	25
13	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
14	High-frequency electromagnetic dynamics properties of THP1 cells using scanning microwave microscopy. Ultramicroscopy, 2011, 111, 1625-1629.	0.8	23
15	3D multiphoton lithography using biocompatible polymers with specific mechanical properties. Nanoscale Advances, 2020, 2, 2422-2428.	2.2	17
16	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
17	Lipoteichoic acid mediates binding of a Lactobacillus S-layer protein. Glycobiology, 2018, 28, 148-158.	1.3	16
18	Biofilm formation and local electrostatic force characteristics ofEscherichia coliO157:H7 observed by electrostatic force microscopy. Applied Physics Letters, 2007, 90, 143901.	1.5	15

#	Article	IF	Citations
19	Ultra-Sensitive and Label-Free Probing of Binding Affinity Using Recognition Imaging. Nano Letters, 2019, 19, 612-617.	4.5	14
20	Nanoscale characteristics of antibacterial cationic polymeric brushes and single bacterium interactions probed by force microscopy. RSC Advances, 2016, 6, 17092-17099.	1.7	13
21	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
22	Local retention behaviors of epitaxial and polycrystalline PbMg1âˆ•3Nb2âˆ•3O3â€“PbTiO3 thin films by scanning force microscopy. Applied Physics Letters, 2007, 91, .	1.5	10
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	Nanomechanical mechanisms of Lyme disease spirochete motility enhancement in extracellular matrix. Communications Biology, 2021, 4, 268.	2.0	9
25	Dynamics of space and polarization charges of ferroelectric thin films measured by atomic force microscopy. Ultramicroscopy, 2006, 106, 779-784.	0.8	7
26	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
27	Micropatterning of bacteria on two-dimensional lattice protein surface observed by atomic force microscopy. Ultramicroscopy, 2008, 108, 1124-1127.	0.8	6
28	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
29	Microstructural Properties of Phase-Change Ge₂Sb₂Te₅ Nanoparticles Grown by Pulsed-Laser Ablation. Journal of Nanoscience and Nanotechnology, 2009, 9, 901-904.	0.9	3
30	Sensing the Ultrastructure of Bacterial Surfaces and Their Molecular Binding Forces Using AFM. Methods in Molecular Biology, 2018, 1814, 363-372.	0.4	3
31	Investigation of Bacterial Curli Production and Adhesion Using AFM. Methods in Molecular Biology, 2019, 1886, 221-231.	0.4	2
32	Observation of self-assembled fluorescent beads by scanning near-field optical microscopy and atomic force microscopy. Ultramicroscopy, 2006, 106, 775-778.	0.8	1
33	Nanoscale observation of local bound charges of patterned protein arrays by scanning force microscopy. Nanotechnology, 2008, 19, 365302.	1.3	1
34	Biomedical Sensing with the Atomic Force Microscope. , 2017, , 135-173.		0
35	Atomic Force Microscopy (AFM) for Topography and Recognition Imaging at Single-Molecule Level. , 2018, , 1-14.		0