

# Takahito Inoue

## List of Publications by Year in descending order

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39  
papers

1,003  
citations

516710

16  
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414414

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g-index

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all docs

39  
docs citations

39  
times ranked

646  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of space charge in scanned probe oxidation. <i>Journal of Applied Physics</i> , 1998, 84, 6891-6900.	2.5	165
2	Scanning maxwell stress microscope for nanometre-scale surface electrostatic imaging of thin films. <i>Thin Solid Films</i> , 1994, 242, 33-39.	1.8	116
3	Predictive model for scanned probe oxidation kinetics. <i>Applied Physics Letters</i> , 2000, 76, 2710-2712.	3.3	109
4	Understanding scanned probe oxidation of silicon. <i>Applied Physics Letters</i> , 1998, 73, 271-273.	3.3	106
5	Formation of dipole-oriented water films on mica substrates at ambient conditions. <i>Surface Science</i> , 2000, 462, L599-L602.	1.9	72
6	Nonresonant detection of electric force gradients by dynamic force microscopy. <i>Applied Physics Letters</i> , 1994, 65, 3143-3145.	3.3	45
7	Friction of ice measured using lateral force microscopy. <i>Physical Review B</i> , 2000, 61, 7760-7765.	3.2	44
8	Molecular orientation and growth mechanism of several fatty acids with different lengths. <i>Journal of Crystal Growth</i> , 1987, 83, 306-310.	1.5	38
9	Molecular Orientation and Film Morphology of Calcium Stearate Deposited on Several Substrates. <i>Japanese Journal of Applied Physics</i> , 1989, 28, 872-876.	1.5	30
10	Heterodyne Force-Detection for High Frequency Local Dielectric Spectroscopy by Scanning Maxwell Stress Microscopy. <i>Japanese Journal of Applied Physics</i> , 1993, 32, L1845-L1848.	1.5	30
11	Surface potential imaging of phase-separated LB monolayers by scanning Maxwell stress microscopy. <i>Thin Solid Films</i> , 1994, 243, 399-402.	1.8	29
12	Scanning force microscope and vacuum chamber for the study of ice films: Design and first results. <i>Review of Scientific Instruments</i> , 1998, 69, 1781-1784.	1.3	26
13	Lattice Images of Langmuir-Blodgett Films of Cadmium Arachidate Obtained by Superconducting Cryo-Electron Microscope. <i>Japanese Journal of Applied Physics</i> , 1989, 28, L2037-L2039.	1.5	19
14	Imaging of surface electrostatic features in phase-separated phospholipid monolayers by scanning Maxwell stress microscopy. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1994, 12, 1569.	1.6	17
15	Field emission study of diamond-like carbon films with scanned-probe field-emission force microscopy. <i>Applied Physics Letters</i> , 2000, 76, 2961-2963.	3.3	17
16	Development of atomic force microscope with wide-band magnetic excitation for study of soft matter dynamics. <i>Review of Scientific Instruments</i> , 2009, 80, 023705.	1.3	17
17	Microstructure in LB Films of Long-Alkyl Nitroaniline Derivatives. <i>Japanese Journal of Applied Physics</i> , 1988, 27, 1635-1637.	1.5	16
18	Microscopic characterization of field emitter array structure and work function by scanning Maxwell-stress microscopy. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996, 14, 2105.	1.6	16

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19	Initial stage of epitaxial growth mechanism of cadmium arachidate prepared by physical vapour deposition on various substrates. <i>Journal of Crystal Growth</i> , 1992, 121, 449-456.	1.5	15
20	Fabrication of Cantilever with Ultrasharp and High-Aspect-Ratio Stylus for Scanning Maxwell-Stress Microscopy. <i>Japanese Journal of Applied Physics</i> , 1994, 33, 7167-7170.	1.5	14
21	Direct Observation of Cadmium Arachidate Thin Films with Lateral and Normal Molecular Orientations by Superconducting Cryo-Electron Microscopy. <i>Journal of Electron Microscopy</i> , 1990, , .	0.9	9
22	Integrated Microfluidics for Chromosome Engineering-Preparation, Transportation and Manipulation.. <i>Archives of Histology and Cytology</i> , 2002, 65, 465-471.	0.2	8
23	Imaging of Surface Potential Distribution in Cyanine DYE Monolayer by Scanning Maxwell Stress Microscopy (SMM). <i>Molecular Crystals and Liquid Crystals</i> , 1997, 294, 55-58.	0.3	7
24	Structural control of vacuum-deposited thin films by the use of a Langmuir-Blodgett multilayer. <i>Thin Solid Films</i> , 1989, 180, 199-203.	1.8	5
25	Structural Investigation of Spiropyran Containing Langmuir-Blodgett Films using Scanning Probe Microscope Technique. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 327, 249-252.	0.3	5
26	Charge-carrier Transport in 1,4-Bis(phenylethynyl)benzene Derivatives Exhibiting Crystal Mesophases. <i>Chemistry Letters</i> , 2013, 42, 764-766.	1.3	5
27	Nanoscale Evaluation of Structure and Surface Potential of Gated Field Emitters by Scanning Maxwell-Stress Microscope. <i>Japanese Journal of Applied Physics</i> , 1995, 34, 6912.	1.5	4
28	Scanning Maxwell stress microscopy for UHV applications. <i>Nanotechnology</i> , 1997, 8, A19-A23.	2.6	4
29	The relation between corrosion and surface potential measured with the scanning Maxwell stress microscope. <i>Nanotechnology</i> , 1998, 9, 316-320.	2.6	3
30	Nanoscale Evaluation of Structure and Surface Potential of Gated Field Emitters by Scanning Maxwell-Stress Microscope. <i>Japanese Journal of Applied Physics</i> , 1995, 34, 6912-6915.	1.5	3
31	Imaging of electrical features in organic thin films by scanning maxwell-stress microscopy. <i>Synthetic Metals</i> , 1999, 102, 1579-1580.	3.9	2
32	Electro-optics of plate-like silica particle suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 440, 175-184.	4.7	2
33	H-shaped conjugated mesogens: synthesis and mesomorphic properties of 3,3,5,5-tetrakis(phenylethynyl)-2,2-bithiophene derivatives. <i>Liquid Crystals</i> , 2014, 41, 1199-1211.	2.2	2
34	Scanning field-emission force microscopy and spectroscopy of chemical-vapor-deposited carbon field-emission cathodes. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2001, 19, 675.	1.6	1
35	On-Chip Chromosome Sorter Using Electric and Magnetic Fields. , 2007, , 43-52.		1
36	Imaging Local Electric Forces in Organic Thin Films by Scanning Maxwell Stress Microscopy. , 1995, , 113-118.		1

#	ARTICLE	IF	CITATIONS
37	Structures and Nonlinear Optical Properties of Long-Alkyl MNA Films Prepared by the PVD Method. Japanese Journal of Applied Physics, 1989, 28, 2259-2263.	1.5	0
38	Electrical Features of Surface Structure in Polymer Monolayers by Smm. Molecular Crystals and Liquid Crystals, 2000, 349, 159-162.	0.3	0
39	The Direct Observation of Lattice Images of Cadmium Arachidate in Ultrathin Films. Proceedings Annual Meeting Electron Microscopy Society of America, 1990, 48, 592-593.	0.0	0