

Michio Niwano

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Application of neural network based regression model to gas concentration analysis of TiO ₂ nanotube-type gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2022, 361, 131732.	7.8	10
2	Bactericidal Activity of Bulk Nanobubbles through Active Oxygen Species Generation. <i>Langmuir</i> , 2021, 37, 9883-9891.	3.5	14
3	Bactericidal Activity of TiO ₂ Nanotube Thin Films on Si by Photocatalytic Generation of Active Oxygen Species. <i>Langmuir</i> , 2020, 36, 12668-12677.	3.5	18
4	Piezoelectric PVDF-based sensors with high pressure sensitivity induced by chemical modification of electrode surfaces. <i>Sensors and Actuators A: Physical</i> , 2020, 316, 112424.	4.1	9
5	Characterization of Bulk Nanobubbles Formed by Using a Porous Alumina Film with Ordered Nanopores. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5067-5072.	2.6	24
6	Identification of the source caldera for a Pliocene ash-flow tuff in Northeast Japan based on apatite trace-element compositions and zircon U-Pb ages. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 401, 106948.	2.1	6
7	Response characteristics of a highly sensitive gas sensor using a titanium oxide nanotube film decorated with platinum nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128525.	7.8	20
8	Advances in Artificial Cell Membrane Systems as a Platform for Reconstituting Ion Channels. <i>Chemical Record</i> , 2020, 20, 730-742.	5.8	22
9	Optical transport of sub-micron lipid vesicles along a nanofiber. <i>Optics Express</i> , 2020, 28, 38527.	3.4	8
10	Proteoliposome fusion to artificial lipid bilayer promoted by domains of polyunsaturated phosphatidylethanolamine. <i>Japanese Journal of Applied Physics</i> , 2019, 58, S11B13.	1.5	3
11	Modulation of Photoinduced Transmembrane Currents in a Fullerene-Doped Freestanding Lipid Bilayer by a Lateral Bias. <i>ACS Omega</i> , 2019, 4, 18299-18303.	3.5	6
12	In Situ Infrared Observation of a Photo-Decomposition Process of Organic Contaminants on a TiO ₂ Nanotube Film Surface. <i>Journal of the Electrochemical Society</i> , 2019, 166, H842-H848.	2.9	2
13	Unveil the Full Potential of Integrated-Back-Contact Perovskite Solar Cells Using Numerical Simulation. <i>ACS Applied Energy Materials</i> , 2018, 1, 970-975.	5.1	29
14	Amphiphobic Septa Enhance the Mechanical Stability of Free-Standing Bilayer Lipid Membranes. <i>Langmuir</i> , 2018, 34, 5615-5622.	3.5	16
15	Impact of modular organization on dynamical richness in cortical networks. <i>Science Advances</i> , 2018, 4, eaau4914.	10.3	74
16	Effective Subnetwork Topology for Synchronizing Interconnected Networks of Coupled Phase Oscillators. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 17.	2.1	17
17	Fabrication and Characterization of High-Quality Perovskite Films with Large Crystal Grains. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 720-726.	4.6	16
18	Response characteristics of hydrogen gas sensor with porous piezoelectric poly(vinylidene fluoride) film. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 479-489.	7.8	14

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19	Fabrication and Characterization of Front-Illuminated Dye-Sensitized Solar Cells with Anodic Titanium Oxide Nanotubes. <i>Journal of the Electrochemical Society</i> , 2017, 164, H78-H84.	2.9	10
20	Charge transport properties of bulk-heterojunction organic solar cells investigated by displacement current measurement technique. <i>Organic Electronics</i> , 2017, 51, 269-276.	2.6	1
21	Nanostructure fabrication through a microwire of local anodization. , 2017, , .		0
22	Label-free detection of DNA molecules moving in micro-fluidic channels by infrared absorption spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 917-922.	7.8	3
23	Formation of Cell Membrane Component Domains in Artificial Lipid Bilayer. <i>Scientific Reports</i> , 2017, 7, 17905.	3.3	30
24	Fabrication and characterization of p+-i-p+ type organic thin film transistors with electrodes of highly doped polymer. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	8
25	Reconstitution of Human Ion Channels into Solvent-free Lipid Bilayers Enhanced by Centrifugal Forces. <i>Biophysical Journal</i> , 2016, 110, 2207-2215.	0.5	30
26	Interaction of plasma-generated water cluster ions with chemically-modified Si surfaces investigated by infrared absorption spectroscopy. <i>AIP Advances</i> , 2016, 6, 035017.	1.3	1
27	Effects of interfacial chemical states on the performance of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4392-4397.	10.3	25
28	Live-Cell, Label-Free Identification of GABAergic and Non-GABAergic Neurons in Primary Cortical Cultures Using Micropatterned Surface. <i>PLoS ONE</i> , 2016, 11, e0160987.	2.5	7
29	Biosensing by <i>in situ</i> Infrared Spectroscopy. <i>Bunseki Kagaku</i> , 2015, 64, 793-800.	0.2	0
30	Frontispiece: Micro- and Nano-Technologies for Lipid Bilayer-Based Ion-Channel Functional Assays. <i>Chemistry - an Asian Journal</i> , 2015, 10, n/a-n/a.	3.3	0
31	Annealing-induced chemical and structural changes in tri-iodide and mixed-halide organometal perovskite layers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14195-14201.	10.3	21
32	Micro- and Nano-Technologies for Lipid Bilayer-Based Ion-Channel Functional Assays. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1266-1274.	3.3	29
33	Low-temperature reduction of Ge oxide by Si and SiH ₄ in low-pressure H ₂ and Ar environment. <i>Solid-State Electronics</i> , 2015, 110, 40-43.	1.4	2
34	Characterization of citrates on gold and silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 244-248.	9.4	75
35	Fabrication of polymer/TiO ₂ -nanotube-based hybrid structures using a solvent-vapor-assisted coating method. <i>Materials Research Express</i> , 2014, 1, 045048.	1.6	4
36	Interference between field excitatory postsynaptic potentials and simultaneously recorded chronoamperometric l-glutamate currents in mouse hippocampal slices. <i>Electrochemistry Communications</i> , 2014, 45, 1-4.	4.7	1

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37	The onset and closure of critical period plasticity regulated by feedforward inhibition. <i>Neurocomputing</i> , 2014, 143, 261-268.	5.9	1
38	A Model for Ocular Dominance Plasticity Controlled by Feedforward and Feedback Inhibition. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2014, E97.A, 1780-1786.	0.3	0
39	Label-free and real time monitoring of adipocyte differentiation by surface infrared spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1176-1182.	7.8	9
40	Micro-scaled hydrogen gas sensors with patterned anodic titanium oxide nanotube film. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 1156-1160.	7.8	20
41	Reconstitution of Human <i>h</i> Ether-a-go-go-Related Gene Channels in Microfabricated Silicon Chips. <i>Analytical Chemistry</i> , 2013, 85, 4363-4369.	6.5	51
42	Investigation of TiO ₂ Surface Modification with [6,6]-Phenyl-C ₆₁ -butyric Acid for Titania/Polymer Hybrid Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 112301.	1.5	4
43	Mechanically Stable Free-Standing Bilayer Lipid Membranes in Microfabricated Silicon Chips. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1415, 151.	0.1	0
44	Lipid bilayer array for simultaneous recording of ion channel activities. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	14
45	Organic hydrogen gas sensor with palladium-coated β -phase poly(vinylidene fluoride) thin films. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	18
46	Investigation of Influence of Electrolyte Composition on Formation of Anodic Titanium Oxide Nanotube Films. <i>Journal of the Electrochemical Society</i> , 2012, 159, D629-D636.	2.9	23
47	Stable Lipid Bilayers Based on Micro- and Nano-Fabrication as a Platform for Recording Ion-Channel Activities. <i>Analytical Sciences</i> , 2012, 28, 1049-1057.	1.6	18
48	Mechanically Stable Lipid Bilayers in Teflon-Coated Silicon Chips for Single-Channel Recordings. <i>Micro and Nanosystems</i> , 2012, 4, 2-7.	0.6	13
49	Real-time monitoring of mitochondrial adenosine 5'-triphosphate synthesis and hydrolysis by surface infrared spectroscopy. <i>Applied Physics Letters</i> , 2011, 98, 133703.	3.3	6
50	In situ modification of lipid-loaded MCM-41 channels with bovine serum albumin at a planar lipid bilayer for biosensing. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 139-144.	7.8	5
51	Influence of Carrier Injection on Characteristics of an Organic Field Effect Transistor. <i>Hyomen Kagaku</i> , 2011, 32, 21-26.	0.0	0
52	Improved stability of free-standing lipid bilayers based on nanoporous alumina films. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	21
53	Formation of Porous Titanium Film and Its Application to Counter Electrode for Dye-Sensitized Solar Cell. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 122302.	1.5	10
54	Stable lipid bilayers based on micro- and nano-fabrication. <i>Supramolecular Chemistry</i> , 2010, 22, 406-412.	1.2	12

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55	Free-Standing Lipid Bilayers in Silicon Chipsâ€”Membrane Stabilization Based on Microfabricated Apertures with a Nanometer-Scale Smoothness. <i>Langmuir</i> , 2010, 26, 1949-1952.	3.5	70
56	Ag nanoparticle sheet as a marker of lateral remote photocatalytic reactions. <i>Nanoscale</i> , 2010, 2, 107-113.	5.6	9
57	In situ real-time monitoring of biomolecular interactions by using surface infrared spectroscopy. <i>Journal of Applied Physics</i> , 2009, 105, 102039.	2.5	16
58	The thermal-field emission model for carrier injection characteristics of an organic field effect transistor. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	3
59	Self-formation of bilayer lipid membranes on agarose-coated silicon surfaces studied by simultaneous electrophysiological and surface infrared spectroscopic measurements. <i>Applied Physics Letters</i> , 2009, 94, 243906.	3.3	6
60	Low-temperature-atomic-layer-deposition of SiO ₂ with Tris(dimethylamino)Silane (TDMAS) and Ozone using Temperature Controlled Water Vapor Treatment. <i>ECS Transactions</i> , 2009, 19, 417-426.	0.5	7
61	In situ Surface Infrared Study of DNA Hybridization on Au Island Films Evaporated on Silicon Surfaces. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 04C186.	1.5	2
62	Organic Field Effect Transistor Using Pentacene Single Crystals Grown by a Liquid-Phase Crystallization Process. <i>Langmuir</i> , 2009, 25, 4861-4863.	3.5	18
63	Adsorption Density Control of N719 on TiO ₂ Electrodes for Highly Efficient Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2009, 156, B987.	2.9	23
64	Surfactant Adsorption on Single-Crystal Silicon Surfaces in TMAH Solution: Orientation-Dependent Adsorption Detected by <i>In Situ</i> Infrared Spectroscopy. <i>Journal of Microelectromechanical Systems</i> , 2009, 18, 1345-1356.	2.5	57
65	<i>In situ</i> real-time monitoring of apoptosis on leukemia cells by surface infrared spectroscopy. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	22
66	Measuring Techniques for Soft-Nanotechnology. <i>Hyomen Kagaku</i> , 2009, 30, 219-228.	0.0	0
67	The design of molecular sensing interfaces with lipid-bilayer assemblies. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 512-520.	11.4	61
68	UV Treatment Effect on TiO ₂ Electrodes in Dye-Sensitized Solar Cells with N719 Sensitizer Investigated by Infrared Absorption Spectroscopy. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, A109.	2.2	41
69	Atomic-Layer-Deposition of SiO ₂ with Tris(Dimethylamino)Silane (TDMAS) and Ozone Investigated by Infrared Absorption Spectroscopy. <i>ECS Transactions</i> , 2008, 13, 171-177.	0.5	6
70	In situ Study of DNA Attachment and Hybridization at Silicon Surfaces by Infrared Absorption Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 3204-3208.	1.5	11
71	An extensively valid and stable method for derivation of all parameters of a solar cell from a single current-voltage characteristic. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	160
72	Anodization process of aluminum microelectrode for a single-electron transistor operating at room temperature. , 2008, , .		0

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73	Fabrication of Titanium Oxide Nanotubes by Rapid and Homogeneous Anodization in Perchloric Acid/Ethanol Mixture. <i>Journal of the Electrochemical Society</i> , 2008, 155, K10.	2.9	42
74	Coordination of Carboxylate on Metal Nanoparticles Characterized by Fourier Transform Infrared Spectroscopy. <i>Chemistry Letters</i> , 2008, 37, 888-889.	1.3	22
75	Peptide Immobilization on GaAs Surfaces and the Application to Label-Free Detection of Antigen-Antibody Interactions Using Multiple Internal Reflection Infrared Spectroscopy. <i>Sensor Letters</i> , 2008, 6, 613-617.	0.4	3
76	Surface Infrared Spectroscopic Study on Label-Free Detection of Antigen-Antibody Interactions: Discrimination between Specific and Nonspecific Signals using Protein Secondary Structure Analysis. <i>Hyomen Kagaku</i> , 2008, 29, 558-563.	0.0	0
77	Infrared Study of Tris(dimethylamino)silane Adsorption and Ozone Irradiation on Si(100) Surfaces for ALD of SiO ₂ . <i>Electrochemical and Solid-State Letters</i> , 2007, 10, C80.	2.2	38
78	Infrared reflection absorption spectroscopy investigation of carbon nanotube growth on cobalt catalyst surfaces. <i>Applied Physics Letters</i> , 2007, 90, 073109.	3.3	4
79	Real-time monitoring of cell death by surface infrared spectroscopy. <i>Applied Physics Letters</i> , 2007, 91, 203902.	3.3	15
80	Room-temperature observation of a Coulomb blockade phenomenon in aluminum nanodots fabricated by an electrochemical process. <i>Applied Physics Letters</i> , 2007, 90, 093119.	3.3	19
81	Label-Free Detection of Protein-Protein Interactions at the GaAs/Water Interface through Surface Infrared Spectroscopy: Discrimination between Specific and Nonspecific Interactions by Using Secondary Structure Analysis. <i>Langmuir</i> , 2007, 23, 12287-12292.	3.5	28
82	Hydration of single-stranded DNA in water studied by infrared spectroscopy. <i>Chemical Physics Letters</i> , 2007, 436, 233-238.	2.6	11
83	Photoelectron Yield Spectroscopy for Electronic Structures of Organic Electronic Materials and their Interfaces. <i>Hyomen Kagaku</i> , 2007, 28, 264-270.	0.0	23
84	Infrared Absorption Spectroscopic Technique for Biosensing. <i>Hyomen Kagaku</i> , 2007, 28, 283-286.	0.0	1
85	In Situ Real-Time Infrared Spectroscopy Study of Formation of Porous Anodic Alumina on Si. <i>Journal of the Electrochemical Society</i> , 2006, 153, C296.	2.9	13
86	In situ observation of DNA hybridization and denaturation by surface infrared spectroscopy. <i>Journal of Applied Physics</i> , 2006, 99, 094702.	2.5	21
87	Carrier Injection Characteristics of Metal/Tris-(8-hydroxyquinoline) Aluminum Interface with Long Chain Alkane Insertion Layer. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 442-446.	1.5	8
88	Photoinduced Doping of Organic Field Effect Transistors Studied by Displacement Current Measurement and Infrared Absorption Spectroscopy in Multiple Internal Reflection Geometry. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 530-533.	1.5	24
89	Oxidation of the hydrogen terminated silicon surfaces by oxygen plasma investigated by in-situ infrared spectroscopy. <i>Thin Solid Films</i> , 2005, 475, 128-132.	1.8	9
90	Adsorption of naphthalene on a Si(100)-2 \times 1 surface investigated by infrared spectroscopy. <i>Surface Science</i> , 2005, 576, 45-55.	1.9	12

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91	Infrared spectroscopy of pentacene thin film on SiO ₂ surface. Applied Surface Science, 2005, 244, 607-610.	6.1	34
92	Label-free detection and classification of DNA by surface vibration spectroscopy in conjugation with electrophoresis. Applied Physics Letters, 2005, 86, 053902.	3.3	31
93	Ambipolar operation of fullerene field-effect transistors by semiconductor/metal interface modification. Journal of Applied Physics, 2005, 97, 104509.	2.5	50
94	Displacement Current Measurement as a Tool to Characterize Organic Field Effect Transistors. Synthetic Metals, 2005, 153, 253-256.	3.9	41
95	Photoinduced doping effect of pentacene field effect transistor in oxygen atmosphere studied by displacement current measurement. Applied Physics Letters, 2005, 86, 252104.	3.3	87
96	Detection of DNA Molecules on Porous Si Surfaces by Infrared Spectromicroscopy. Hyomen Kagaku, 2005, 26, 537-541.	0.0	0
97	Behavior of hydride species on Si surface during methane plasma irradiation investigated by in-situ infrared spectroscopy. Thin Solid Films, 2003, 435, 13-18.	1.8	16
98	In-situ observation of chemical states of a Si electrode surface during a galvanostatic oscillation in fluoride electrolytes using infrared absorption spectroscopy. Physica Status Solidi A, 2003, 197, 577-581.	1.7	16
99	Carrier Injection Characteristics in Organic Field Effect Transistors Studied by Displacement Current Measurement*. Japanese Journal of Applied Physics, 2003, 42, L1275-L1278.	1.5	70
100	Adsorption of Benzene on Si(100) Surface.. Hyomen Kagaku, 2003, 24, 98-104.	0.0	4
101	Infrared Spectroscopy Study of Behavior of Hydrogen on Semiconductor Surfaces. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 600-606.	0.2	0
102	Formation and decomposition of Si hydrides during adsorption of Si ₂ H ₆ onto Si(100)(2 \times 1). Physical Review B, 2002, 65, .	3.2	41
103	SYNCHROTRON RADIATION PHOTOEMISSION AND INFRARED SPECTROSCOPY STUDY OF ADSORPTION AND DECOMPOSITION OF DICHLOROSILANE ON Si(100)(2 \times 1). Surface Review and Letters, 2002, 09, 803-808.	1.1	1
104	Infrared spectroscopy study of adsorption of silane on Si(). Surface Science, 2002, 502-503, 96-101.	1.9	35
105	Infrared reflection spectroscopic investigation of adsorption of SiH _x (CH ₃) _{4-x} on Si surfaces. Electronics and Communications in Japan, 2002, 85, 59-65.	0.2	2
106	Electrochemistry on Si(100) in a hydrofluoric acid solution at cathodic potential regions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 96, 107-110.	3.5	4
107	Infrared study of carbon incorporation during chemical vapor deposition of SiC using methylsilanes. Applied Surface Science, 2001, 175-176, 591-596.	6.1	22
108	Chlorosilane adsorption on clean Si surfaces: Scanning tunneling microscopy and Fourier-transform infrared absorption spectroscopy studies. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 2001-2006.	2.1	10

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109	Environmental Measurement Technology Using Multiple Internal Reflection FTIR. IEEJ Transactions on Sensors and Micromachines, 2001, 121, 331-336.	0.1	1
110	Infrared study of adsorption and thermal decomposition of Si ₂ H ₆ on Si(100). Thin Solid Films, 2000, 369, 16-20.	1.8	29
111	Si ₂ H ₆ adsorption and hydrogen desorption on Si(100) investigated by infrared spectroscopy. Applied Surface Science, 2000, 162-163, 111-115.	6.1	13
112	Adsorption and decomposition of methylsilanes on Si(100). Applied Surface Science, 2000, 162-163, 161-167.	6.1	22
113	In Situ Infrared Observation of Etching and Oxidation Processes on Si Surfaces in NH ₄ F Solution. Journal of the Electrochemical Society, 2000, 147, 1555.	2.9	23
114	Si-Fullerene Compounds Produced by Controlling Spatial Structure of an Arc-Discharge Plasma. Japanese Journal of Applied Physics, 2000, 39, L1130-L1132.	1.5	7
115	Infrared monitoring system for the detection of organic contamination on a 300 mm Si wafer. Applied Physics Letters, 1999, 75, 519-521.	3.3	18
116	Growth of aluminum on Si using dimethyl-ethyl amine alane. Applied Surface Science, 1999, 142, 443-446.	6.1	8
117	Photoemission study of the metal deposition on the (NH ₄) ₂ S _x -treated GaAs(100) surface at room temperature. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 315-320.	1.7	0
118	Hydrogen adsorption and desorption on Si(100) and Si(111) surfaces investigated by in situ surface infrared spectroscopy. Surface Science, 1999, 420, 6-16.	1.9	81
119	Si 2p Spectra of Initial Thermal Oxides on Si(100) Oxidized by H ₂ O. Japanese Journal of Applied Physics, 1999, 38, 253.	1.5	10
120	Hydrogen adsorption and desorption processes on Si(100). Applied Surface Science, 1998, 130-132, 260-265.	6.1	28
121	Photoemission study of metal deposition on sulfur-treated GaAs(100). Applied Surface Science, 1998, 130-132, 441-446.	6.1	3
122	Oxidation processes on the H ₂ O-chemisorbed Si(100) surface studied by in-situ infrared spectroscopy. Surface Science, 1998, 401, 364-370.	1.9	55
123	Hydrogen Exchange Reaction on Hydrogen-terminated (100) Si Surface during Storage in Water. Journal of the Electrochemical Society, 1998, 145, 659-661.	2.9	13
124	UV Light-Induced Decomposition and Polymerization of Organosilicon Compounds.. The Review of Laser Engineering, 1998, 26, 463-467.	0.0	0
125	In Situ Observation of Photon-Stimulated Hydrogen Removal on a HF-Passivated Si(111) Surface by Ultraviolet Photoelectron Spectroscopy Using Synchrotron Radiation. Japanese Journal of Applied Physics, 1997, 36, 7699-7705.	1.5	4
126	Real-time, in situ infrared study of etching of Si(100) and (111) surfaces in dilute hydrofluoric acid solution. Journal of Applied Physics, 1996, 79, 3708-3713.	2.5	48

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127	Synchrotron radiation induced reactions of condensed layer of organosilicon compounds. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 89-92.	1.7	1
128	Initial stages of oxidation of hydrogen-terminated Si surface stored in air. Applied Surface Science, 1996, 100-101, 454-459.	6.1	26
129	Infrared study of chemistry of Si surfaces in etching solution. Applied Surface Science, 1996, 100-101, 607-611.	6.1	6
130	Ab Initio Molecular Dynamics Simulations for Collision between C_{60}^+ and Alkali-Metal Ions: A Possibility of $Li@C_{60}$. Physical Review Letters, 1996, 76, 3590-3593.	7.8	85
131	Kinetics of oxidation on hydrogen-terminated Si(100) and (111) surfaces stored in air. Journal of Applied Physics, 1996, 79, 4373.	2.5	111
132	Ultraviolet-Induced Deposition of SiO_2 Film from Tetraethoxysilane Spin-Coated on Si. Journal of the Electrochemical Society, 1994, 141, 1556-1561.	2.9	20
133	In situ infrared study of chemical state of Si surface in etching solution. Applied Physics Letters, 1994, 65, 1692-1694.	3.3	27
134	Synchrotron radiation induced reactions of tetraethoxysilane on Si studied by photoemission spectroscopy. Journal of Applied Physics, 1994, 75, 7304-7309.	2.5	6
135	Infrared spectroscopic study of initial stages of ultraviolet ozone oxidation of Si(100) and (111) surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 465-470.	2.1	52
136	Infrared spectroscopy study of initial stages of oxidation of hydrogen-terminated Si surfaces stored in air. Journal of Applied Physics, 1994, 76, 2157-2163.	2.5	213
137	Oxidation of hydrogen-terminated Si surfaces studied by infrared spectroscopy. Surface Science, 1994, 301, L245-L249.	1.9	35
138	Photoelectron intensity oscillation during chemical vapor deposition on Si(100) surface with Si_2H_6 . Applied Physics Letters, 1994, 64, 2013-2015.	3.3	9
139	Formation of hexafluorosilicate on Si surface treated in NH_4F investigated by photoemission and surface infrared spectroscopy. Applied Physics Letters, 1993, 62, 1003-1005.	3.3	17
140	Removal of the sulfur passivation overlayer on a $(NH_4)_2S_x$ -treated GaAs surface by vacuum-ultraviolet irradiation. Applied Physics Letters, 1991, 58, 1635-1637.	3.3	11
141	Formation of a thin SiO_2 film using synchrotron radiation excited reaction. Applied Physics Letters, 1991, 59, 794-796.	3.3	12
142	Synchrotron radiation induced decomposition of thin native oxide films on Si(100). Journal of Applied Physics, 1990, 68, 5576-5583.	2.5	25
143	Synchrotron radiation stimulated desorption of O^+ ions from an oxidized silicon surface. Applied Physics Letters, 1990, 56, 1125-1127.	3.3	20
144	Low-Temperature Cleaning of HF-Passivated Si(111) Surface with VUV Light. Japanese Journal of Applied Physics, 1989, 28, L1274-L1277.	1.5	23

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145	Photon-Stimulated Desorption of H ⁺ Ions from Oxidized Si(111) Surfaces. Japanese Journal of Applied Physics, 1989, 28, 2581-2586.	1.5	11
146	Low-Temperature Deposition of Silicon Dioxide Films by Photoinduced Decomposition of Tetraethoxysilane. Japanese Journal of Applied Physics, 1989, 28, L1310-L1313.	1.5	6
147	Optical Properties of CeO ₂ Crystal in the Photon Energy Range of 2.5~40 eV. Journal of the Physical Society of Japan, 1988, 57, 1489-1496.	1.6	28
148	Effects of Refraction of X-Rays in Double-Crystal Topography. Japanese Journal of Applied Physics, 1988, 27, 849-854.	1.5	6
149	Examination of Surface-Roughness of Silicon Crystals by Double-Crystal X-Ray Topography. Japanese Journal of Applied Physics, 1988, 27, 1113-1114.	1.5	2
150	Soft X-Ray Optical Constants: Pt, Ag, and Cu. Japanese Journal of Applied Physics, 1988, 27, 666-669.	1.5	6