

Hiroshi Onishi

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#	Paper	IF	Citations
193	Stereotactic hypofractionated high-dose irradiation for stage I nonsmall cell lung carcinoma: clinical outcomes in 245 subjects in a Japanese multiinstitutional study. <i>Cancer</i> , 2004 , 101, 1623-31	6.4	711
192	Direct visualization of defect-mediated dissociation of water on TiO ₂ (110). <i>Nature Materials</i> , 2006 , 5, 189-192	27	536
191	Reconstruction of TiO ₂ (110) surface: STM study with atomic-scale resolution. <i>Surface Science</i> , 1994 , 313, L783-L789	1.8	301
190	Water- and Oxygen-Induced Decay Kinetics of Photogenerated Electrons in TiO ₂ and Pt/TiO ₂ : A Time-Resolved Infrared Absorption Study. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 7258-7262	3.4	269
189	Atom-Resolved Image of the TiO ₂ (110) Surface by Noncontact Atomic Force Microscopy. <i>Physical Review Letters</i> , 1997 , 79, 4202-4205	7.4	237
188	Dynamic visualization of a metal-oxide-surface/gas-phase reaction: Time-resolved observation by scanning tunneling microscopy at 800 K. <i>Physical Review Letters</i> , 1996 , 76, 791-794	7.4	234
187	Adsorption of Na atoms and oxygen-containing molecules on MgO(100) and (111) surfaces. <i>Surface Science</i> , 1987 , 191, 479-491	1.8	233
186	Electron- and Hole-Capture Reactions on Pt/TiO ₂ Photocatalyst Exposed to Methanol Vapor Studied with Time-Resolved Infrared Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 9122-9125	3.4	194
185	Atomic-Scale Surface Structures of TiO ₂ (110) Determined by Scanning Tunneling Microscopy: A New Surface-Limited Phase of Titanium Oxide. <i>Bulletin of the Chemical Society of Japan</i> , 1995 , 68, 2447-2458	5.1	185
184	Time-resolved infrared absorption spectroscopy of photogenerated electrons in platinumized TiO ₂ particles. <i>Chemical Physics Letters</i> , 2001 , 333, 271-277	2.5	169
183	Hydrogen adatoms on TiO ₂ (110)-(1x1) characterized by scanning tunneling microscopy and electron stimulated desorption. <i>Physical Review Letters</i> , 2000 , 84, 2156-9	7.4	167
182	Photochemical charge transfer and trapping at the interface between an organic adlayer and an oxide semiconductor. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14974-5	16.4	157
181	STM-imaging of formate intermediates adsorbed on a TiO ₂ (110) surface. <i>Chemical Physics Letters</i> , 1994 , 226, 111-114	2.5	155
180	Adsorption of CH ₃ OH, HCOOH and SO ₂ on TiO ₂ (110) and stepped TiO ₂ (441) surfaces. <i>Surface Science</i> , 1988 , 193, 33-46	1.8	152
179	Photodynamics of NaTaO ₃ Catalysts for Efficient Water Splitting. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 14383-14387	3.4	139
178	Kinetics of the photocatalytic water-splitting reaction on TiO ₂ and Pt/TiO ₂ studied by time-resolved infrared absorption spectroscopy. <i>Journal of Molecular Catalysis A</i> , 2003 , 199, 85-94		121
177	Modification of surface electronic structure on TiO ₂ (110) and TiO ₂ (441) by Na deposition. <i>Surface Science</i> , 1988 , 199, 54-66	1.8	118

176	Photoinduced Dynamics of TiO ₂ Doped with Cr and Sb. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1167-1173	3.1	102
175	Imaging of individual formate ions adsorbed on TiO ₂ (110) surface by non-contact atomic force microscopy. <i>Chemical Physics Letters</i> , 1997 , 280, 296-301	2.5	93
174	Carrier Dynamics in TiO ₂ and Pt/TiO ₂ Powders Observed by Femtosecond Time-Resolved Near-Infrared Spectroscopy at a Spectral Region of 0.9-1.5 eV with the Direct Absorption Method. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 20233-20239	3.4	91
173	Cr/Sb co-doped TiO ₂ from first principles calculations. <i>Chemical Physics Letters</i> , 2009 , 469, 166-171	2.5	79
172	Probe microscope observation of platinum atoms deposited on the TiO ₂ (110)-(1 x 1) surface. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 13453-7	3.4	78
171	Formic Acid Adsorption on Anatase TiO ₂ (001) (1 x 1) Thin Films Studied by NC-AFM and STM. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 8211-8222	3.4	78
170	Time-Resolved Infrared Absorption Study of SrTiO ₃ Photocatalysts Codoped with Rhodium and Antimony. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 19101-19106	3.8	73
169	Transient IR absorption study of charge carriers photogenerated in sulfur-doped TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 177, 269-275	4.7	72
168	Effects of Water Addition on the Methanol Oxidation on Pt/TiO ₂ Photocatalyst Studied by Time-Resolved Infrared Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 9820-9823	3.4	71
167	Photoelectron spectroscopic study of clean and CO adsorbed Ni/TiO ₂ (110) interfaces. <i>Surface Science</i> , 1990 , 233, 261-268	1.8	65
166	Local work function of Pt clusters vacuum-deposited on a TiO ₂ surface. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17584-8	3.4	64
165	Electron-Hole Recombination Controlled by Metal Doping Sites in NaTaO ₃ Photocatalysts. <i>ACS Catalysis</i> , 2015 , 5, 3196-3206	13.1	63
164	Single-Molecule Analysis by Noncontact Atomic Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 1-4	3.4	61
163	Water and 2-propanol structured on calcite (104) probed by frequency-modulation atomic force microscopy. <i>Langmuir</i> , 2013 , 29, 10744-51	4	55
162	STM observation of a ruthenium dye adsorbed on a TiO ₂ (110) surface. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 4751-5	3.4	55
161	Catalytic reactions on a metal oxide single crystal: switchover of the reaction paths in formic acid decomposition on titanium dioxide TiO ₂ (110). <i>Journal of the American Chemical Society</i> , 1993 , 115, 10460-10467	16.4	54
160	Photoinduced Redox Reaction Coupled with Limited Electron Mobility at Metal Oxide Surface. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 10621-10624	3.4	52
159	Time-Resolved Infrared Absorption Study of NaTaO ₃ Photocatalysts Doped with Alkali Earth Metals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13918-13923	3.8	50

158	Study of pyridine and its derivatives adsorbed on a TiO ₂ (110)(111) surface by means of STM, TDS, XPS and MD calculation in relation to surface acid[ndash]base interaction. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 161-166		50
157	Temperature-Jump STM Observation of Reaction Intermediate on MetalOxide Surfaces. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 9582-9584		50
156	The relationship between local liquid density and force applied on a tip of atomic force microscope: a theoretical analysis for simple liquids. <i>Journal of Chemical Physics</i> , 2013 , 139, 224710	3.9	47
155	Aqueous Solution Structure over α -Al ₂ O ₃ (011 2) Probed by Frequency-Modulation Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21423-21426	3.8	44
154	Scanning tunneling microscopy study of black dye and deoxycholic acid adsorbed on a rutile TiO ₂ (110). <i>Langmuir</i> , 2008 , 24, 8056-60	4	44
153	A multiplex infrared-visible sum-frequency spectrometer with wavelength tunability of the visible probe. <i>Applied Physics Letters</i> , 2002 , 81, 1338-1340	3.4	43
152	Active structures and electronic states for adsorption of CO ₂ and NO on an Na/TiO ₂ (110) surface. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 2597		42
151	Time-resolved infrared absorption study of nine TiO ₂ photocatalysts. <i>Chemical Physics</i> , 2007 , 339, 133-137		41
150	Cross-Sectional Structure of Liquid 1-Decanol over Graphite. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 26475-26479	3.8	40
149	Hydration of hydrophilic thiolate monolayers visualized by atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8419-24	3.6	39
148	Atom-resolved observation of Na ensembles activating CO ₂ adsorption on a TiO ₂ (110)-(1 11) surface as the genesis of basic sites. <i>Catalysis Letters</i> , 1996 , 38, 89-94	2.8	38
147	Photophysics and Electron Dynamics in Dye-Sensitized Semiconductor Film Studied by Time-Resolved Mid-IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 4156-4161	3.4	37
146	Noncontact atomic force microscope topography dependent on the electrostatic dipole field of individual molecules. <i>Physical Review B</i> , 2001 , 64,	3.3	37
145	Molecularly resolved observation of anisotropic intermolecular force in a formate-ion monolayer on a TiO ₂ (110) surface by scanning tunneling microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996 , 109, 335-343	5.1	37
144	Observation of Anisotropic Migration of Adsorbed Organic Species Using Nanoscale Patchworks Fabricated with a Scanning Tunneling Microscope. <i>Langmuir</i> , 1994 , 10, 4414-4416	4	37
143	AFM observation of immobilized self-oscillating polymer. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5170-3	3.7	36
142	A needle-like organic molecule imaged by noncontact atomic force microscopy. <i>Applied Surface Science</i> , 2002 , 188, 265-271	6.7	35
141	Molecule-dependent topography determined by noncontact atomic force microscopy: carboxylates on TiO ₂ (1 1 0). <i>Applied Surface Science</i> , 2002 , 188, 257-264	6.7	34

140	Microsecond kinetics of photocatalytic oxidation on Pt/TiO ₂ traced by vibrational spectroscopy. <i>Chemical Physics Letters</i> , 2003 , 376, 576-580	2.5	33
139	STM observation of surface reactions on a metal oxide. <i>Surface Science</i> , 1996 , 357-358, 773-776	1.8	33
138	Evidence for Vacancy Creation by Chromium Doping of Rutile Titanium Dioxide (110). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3277-3280	3.8	32
137	Image topography of alkyl-substituted carboxylates observed by noncontact atomic force microscopy. <i>Surface Science</i> , 2001 , 481, L437-L442	1.8	31
136	STM visualization of site-specific adsorption of pyridine on TiO ₂ (110). <i>Catalysis Letters</i> , 1998 , 50, 117-123.8	3.0	30
135	Formate Adsorption on the (111) Surface of Rutile TiO ₂ . <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13706-13710	3.4	30
134	Effect of Annealing Temperature on Back Electron Transfer and Distribution of Deep Trap Sites in Dye-Sensitized TiO ₂ , Studied by Time-Resolved Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 2963-2969	3.4	30
133	Removal of Adsorbed Organic Molecules with Scanning Tunneling Microscope: Formate Anions on $\text{TiO}_2(110)$ Surface. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, L1338-L1341	1.4	30
132	Imaging of atomic-scale structure of oxide surfaces and adsorbed molecules by noncontact atomic force microscopy. <i>Applied Surface Science</i> , 1999 , 140, 259-264	6.7	29
131	Interface-Specific Vibrational Spectroscopy of Molecules with Visible Lights. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 10636-10639	3.4	28
130	Individual Na Adatoms on TiO ₂ (110)-(111) Surface Observed Using Kelvin Probe Force Microscope. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 4647-4650	1.4	27
129	Topography of the rutile TiO ₂ (110) surface exposed to water and organic solvents. <i>Langmuir</i> , 2004 , 20, 4782-3	4	27
128	The selective adsorption and kinetic behaviour of molecules on TiO ₂ (110) observed by STM and NC-AFM. <i>Faraday Discussions</i> , 1999 , 114, 259-266	3.6	27
127	Cross-Sectional Imaging of Boundary Lubrication Layer Formed by Fatty Acid by Means of Frequency-Modulation Atomic Force Microscopy. <i>Langmuir</i> , 2017 , 33, 10492-10500	4	26
126	Two-dimensional distribution of liquid hydrocarbons facing alkanethiol monolayers visualized by frequency modulation atomic force microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 396, 203-207	5.1	26
125	Oxygen-Atom Vacancies Imaged by a Noncontact Atomic Force Microscope Operated in an Atmospheric Pressure of N ₂ Gas. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15735-15737	3.4	26
124	Multiplex Infrared-Visible Sum-Frequency Spectrometer with a Phase-Conjugated Pulse Mixing Device for Narrow-Bandwidth Visible Probe Generation. <i>Applied Spectroscopy</i> , 2002 , 56, 1298-1302	3.1	26
123	Sodium Tantalate Photocatalysts Doped with Metal Cations: Why Are They Active for Water Splitting?. <i>ChemSusChem</i> , 2019 , 12, 1825-1834	8.3	25

122	Specific Hydration on p-Nitroaniline Crystal Studied by Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2939-2943	3.8	25
121	Time-resolved infrared spectroscopy of K ₃ Ta ₃ B ₂ O ₁₂ photocatalysts for water splitting. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7883-6	3.4	25
120	Pressure dependence of electron- and hole-consuming reactions in photocatalytic water splitting on Pt/TiO ₂ studied by time-resolved IR absorption spectroscopy. <i>International Journal of Photoenergy</i> , 2003 , 5, 7-9	2.1	25
119	Microscopic Identification of a Bimolecular Reaction Intermediate. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 11549-11552	3.4	25
118	Local Environment of Strontium Cations Activating NaTaO ₃ Photocatalysts. <i>ACS Catalysis</i> , 2018 , 8, 880-885	3.1	24
117	Effect of Etching on Electron-Hole Recombination in Sr-Doped NaTaO ₃ Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28440-28447	3.8	24
116	Photochemical reaction of trimethyl acetate on Pt/TiO ₂ (110). <i>Langmuir</i> , 2005 , 21, 11802-5	4	24
115	Vibrationally resonant sum-frequency generation spectral shape dependent on the interval between picosecond-visible and femtosecond-infrared laser pulses. <i>Chemical Physics Letters</i> , 2001 , 346, 413-418	2.5	24
114	Understanding the Interface of Liquids with an Organic Crystal Surface from Atomistic Simulations and AFM Experiments. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2058-2066	3.8	23
113	An Ordered Retinoate Monolayer Prepared on Rutile TiO ₂ (110). <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17166-17170	3.4	23
112	An unusual adsorption state of hydrogen on the Pd(100)-p(2 × 2)-p4g-Al bimetallic surface. <i>Surface Science</i> , 1993 , 283, 213-216	1.8	23
111	Photoexcited Electrons Driven by Doping Concentration Gradient: Flux-Prepared NaTaO ₃ Photocatalysts Doped with Strontium Cations. <i>ACS Catalysis</i> , 2018 , 8, 9334-9341	3.1	22
110	Fourth-order Raman spectroscopy of wide-band gap materials. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8557-61	3.4	22
109	Local work function of a rutile TiO ₂ (110) surface observed by Kelvin probe force microscopy. <i>Surface Science</i> , 2003 , 529, L245-L250	1.8	22
108	Topography of anatase TiO ₂ film synthesized on LaAlO ₃ (001). <i>Nanotechnology</i> , 2005 , 16, S18-S21	3.4	22
107	Catalytic decomposition reaction of formic acid on an Ar ⁺ -bombarded TiO ₂ (110) surface : steady-state kinetics and microscopic surface structure. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 1663		22
106	STM imaging of a model surface of Ru(4,4'-dicarboxy-2,2'-bipyridine) ₂ (NCS) ₂ dye-sensitized TiO ₂ photoelectrodes. <i>Surface Science</i> , 2010 , 604, 106-110	1.8	21
105	Work Function on Dye-Adsorbed TiO ₂ Surfaces Measured by Using a Kelvin Probe Force Microscope. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 6961-6967	3.8	21

104	Fourth-order coherent Raman spectroscopy in a time domain: applications to buried interfaces. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 5515-21	3.6	21
103	Effects of accumulated electrons on the decay kinetics of photogenerated electrons in Pt/TiO ₂ photocatalyst studied by time-resolved infrared absorption spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 160, 33-36	4.7	21
102	The Dependence of Scanning Tunneling Microscope Topography of Carboxylates on Their Terminal Groups. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 13925-13928	3.4	19
101	Solution TiO ₂ Interface Probed by Frequency-Modulation Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 08JB19	1.4	18
100	Molecular conformation of n-alkyl monolayers covalently bonded to Si(1 1 1) probed by infrared-visible sum-frequency spectroscopy. <i>Chemical Physics Letters</i> , 2003 , 367, 376-381	2.5	17
99	The condensation reaction of pyridine on TiO ₂ (110): STM observation in the presence of the reactant atmosphere. <i>Chemical Physics Letters</i> , 1999 , 304, 225-230	2.5	17
98	Metal-to-Oxide Charge Transfer Observed by a Kelvin Probe Force Microscope. <i>Catalysis Surveys From Asia</i> , 2009 , 13, 9-15	2.8	16
97	Identification of individual 4-methylpyridine molecules physisorbed and chemisorbed on TiO ₂ (110)-(1 x 1) surface by STM. <i>Catalysis Letters</i> , 1998 , 54, 177-180	2.8	16
96	Molecular vibrations at a liquid-liquid interface observed by fourth-order Raman spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 9571-8	3.4	16
95	The effects of antimony doping on the surface structure of rutile TiO ₂ (110). <i>Nanotechnology</i> , 2009 , 20, 264003	3.4	15
94	Elucidation of CO ₂ Formation Mechanism in CO + NO Reaction on Pd(111) and Pd(110) Surfaces Using IR Chemiluminescence Method. <i>Catalysis Letters</i> , 2003 , 85, 213-216	2.8	15
93	Time-Resolved Infrared Absorption Studies of Surface OH Groups on TiO ₂ Particles Irradiated by UV Pulses. <i>Bulletin of the Chemical Society of Japan</i> , 2002 , 75, 1019-1022	5.1	15
92	Intrinsic Superhydrophilicity of Titania-Terminated Surfaces. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2268-2275	3.8	14
91	Electron Population and Water Splitting Activity Controlled by Strontium Cations Doped in KTaO ₃ Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18387-18397	3.8	14
90	Surface Reconstruction Induced by Transition Metal Doping of Rutile Titanium Dioxide (110). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13199-13203	3.8	14
89	Time-resolved Infrared Absorption Study of Photochemical Reactions Over Metal Oxides. <i>Topics in Catalysis</i> , 2005 , 35, 211-216	2.3	14
88	Hydration layers at the graphite-water interface: Attraction or confinement. <i>Physical Review B</i> , 2019 , 100,	3.3	13
87	Mercaptohexanol assembled on gold: FM-AFM imaging in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 441, 149-154	5.1	13

86	Acetone Adsorption on Oxidized and Reduced TiO ₂ (110): A Scanning Tunneling Microscope Study. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14579-14582	3.8	13
85	Optically excited near-surface phonons of TiO ₂ (110) observed by fourth-order coherent Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2009 , 131, 084703	3.9	13
84	Carboxylates Adsorbed on TiO ₂ (110). <i>Springer Series in Chemical Physics</i> , 2003 , 75-89	0.3	13
83	Observation of individual adsorbed pyridine, ammonia, and water on TiO ₂ (110) by means of scanning tunneling microscopy. <i>Studies in Surface Science and Catalysis</i> , 2001 , 753-756	1.8	13
82	In situ STM study of surface catalytic reactions on TiO ₂ (110) relevant to catalyst design. <i>Topics in Catalysis</i> , 2000 , 14, 163-172	2.3	13
81	The atomic-scale structure of LaCrO-NaTaO solid solution photocatalysts with enhanced electron population. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 5148-5157	3.6	13
80	Double Doping of NaTaO ₃ Photocatalysts with Lanthanum and Manganese for Strongly Enhanced Visible-Light Absorption. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7518-7526	6.1	12
79	Noncontact-Mode Atomic Force Microscopy Observation of Al ₂ O ₃ (0001) Surface. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 3773-3776	1.4	12
78	Number density distribution of solvent molecules on a substrate: a transform theory for atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15534-44	3.6	12
77	Interface structure between tetraglyme and graphite. <i>Journal of Chemical Physics</i> , 2017 , 147, 124701	3.9	11
76	Kelvin probe force microscopy study of a Pt/TiO ₂ catalyst model placed in an atmospheric pressure of N ₂ environment. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1251-5	4.5	11
75	Adsorption of Fluorescein Isothiocyanate Isomer-I (FITC-I) Dye on TiO ₂ (110) from an Acetone Solution. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 5438-5442	1.4	11
74	Scanning Tunneling Microscopy Study of Surface Reconstructions of Rutile TiO ₂ (111). <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 3769-3772	1.4	11
73	Space-Correlation Analysis of Formate Ions Adsorbed on TiO ₂ (110). <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 3830-3832	1.4	11
72	Na ₂ O overlayers epitaxially prepared on Pd(100) and structure-sensitive CO ₂ adsorption. <i>Surface Science</i> , 1994 , 310, 135-146	1.8	11
71	Sub-nanometer-resolution imaging of peptide nanotubes in water using frequency modulation atomic force microscopy. <i>Chemical Physics</i> , 2013 , 419, 74-77	2.3	10
70	Localization of cesium on montmorillonite surface investigated by frequency modulation atomic force microscopy. <i>Surface Science</i> , 2017 , 665, 32-36	1.8	10
69	Lateral distribution of N ₃ dye molecules on TiO ₂ (110) surface. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 202, 185-190	4.7	10

68	Fifth-Order Raman Spectroscopy of Excited-State Molecules. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 11165-11171	2.8	10
67	Visible light responsive La and Fe co-doped NaTaO ₃ photocatalysts: Local structure around dopants. <i>Chemical Physics</i> , 2020 , 531, 110648	2.3	10
66	Single-Crystal Model of Highly Efficient Water-Splitting Photocatalysts: A KTaO ₃ Wafer Doped with Calcium Cations. <i>Chemistry of Materials</i> , 2020 , 32, 1439-1447	9.6	9
65	Interfacial Structure of Primary and Tertiary Liquid Alcohols over Hydrophilic Thiolate Monolayers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5730-5735	3.8	9
64	FM-AFM imaging of a commercial polyethylene film immersed in n-dodecane. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 084011	1.8	9
63	Low-energy electron diffraction analysis of the Pd(100)-p(2 × 2)-p4g-Al surface: a buried-heteroatom structure. <i>Surface Science</i> , 1997 , 392, L51-L55	1.8	9
62	Multiplex Sum-frequency Spectroscopy with Electronic Resonance Enhancement. <i>Chemistry Letters</i> , 2004 , 33, 1404-1407	1.7	9
61	Minitips in Frequency-Modulation Atomic Force Microscopy at Liquid/Solid Interfaces. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 025703	1.4	9
60	Molecular-scale structures of the surface and hydration shell of bioinert mixed-charged self-assembled monolayers investigated by frequency modulation atomic force microscopy.. <i>RSC Advances</i> , 2018 , 8, 24660-24664	3.7	8
59	Kelvin Probe Force Microscope Observation of Chlorine-Adsorbed TiO ₂ (110) Surfaces. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 6149-6152	1.4	8
58	Time-Domain Raman Measurement of Molecular Submonolayers by Time-Resolved Reflection Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 1525-1528	3.4	8
57	Chemical Identification of Carboxylate Surfactants with One-Fluorine-Atom Sensitivity Achieved by Noncontact Atomic Force Microscopy. <i>Langmuir</i> , 2003 , 19, 7474-7477	4	8
56	Low-frequency vibrations of molecular submonolayers detected by time-domain Raman spectroscopy. <i>Journal of Molecular Structure</i> , 2005 , 735-736, 169-177	3.4	8
55	Water-Splitting Activity of La-Doped NaTaO ₃ Photocatalysts Sensitive to Spatial Distribution of Dopants. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15285-15294	3.8	7
54	Atom-resolved AFM imaging of calcite nanoparticles in water. <i>Chemical Physics</i> , 2013 , 419, 193-195	2.3	7
53	Minitips in Frequency-Modulation Atomic Force Microscopy at Liquid/Solid Interfaces. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 025703	1.4	7
52	Transient Kinetics of O ₂ Evolution in Photocatalytic Water-Splitting Reaction. <i>ACS Catalysis</i> , 2020 , 10, 13159-13164	13.1	7
51	Heteroepitaxial barium-doped NaTaO ₃ films on SrTiO ₃ (001) substrate. <i>Thin Solid Films</i> , 2018 , 658, 66-72	7	7

50	Charge Carrier Dynamics in Sr-Doped NaTaO ₃ Photocatalysts Revealed by Deep Ultraviolet Single-Particle Microspectroscopy. <i>Journal of Physical Chemistry C</i> , 2019 ,	3.8	6
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48	Force measurement reveals structure of a confined liquid: Observation of the impenetrable space. <i>Surface Science</i> , 2015 , 641, 242-246	1.8	6
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