

# Ken-ichi Fukui

## List of Publications by Year in descending order

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148  
papers

5,496  
citations

117625

34  
h-index

88630

70  
g-index

149  
all docs

149  
docs citations

149  
times ranked

5595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of zigzag and armchair edges of graphite using scanning tunneling microscopy and spectroscopy. <i>Physical Review B</i> , 2005, 71, .	3.2	593
2	Edge state on hydrogen-terminated graphite edges investigated by scanning tunneling microscopy. <i>Physical Review B</i> , 2006, 73, .	3.2	366
3	Atom-Resolved Image of the TiO <sub>2</sub> (110) Surface by Noncontact Atomic Force Microscopy. <i>Physical Review Letters</i> , 1997, 79, 4202-4205.	7.8	264
4	Electrocatalytic activity of amorphous RuO <sub>2</sub> electrode for oxygen evolution in an aqueous solution. <i>Electrochimica Acta</i> , 2011, 56, 2009-2016.	5.2	260
5	Electronic structures of graphene edges and nanographene. <i>International Reviews in Physical Chemistry</i> , 2007, 26, 609-645.	2.3	228
6	Atomic-Scale Surface Structures of TiO <sub>2</sub> (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.	3.2	209
7	Anisotropy of the Raman Spectra of Nanographite Ribbons. <i>Physical Review Letters</i> , 2004, 93, 047403.	7.8	195
8	Hydrogen Adatoms on TiO <sub>2</sub> (110) (1 Å <sup>-1</sup> ) Characterized by Scanning Tunneling Microscopy and Electron Stimulated Desorption. <i>Physical Review Letters</i> , 2000, 84, 2156-2159.	7.8	181
9	The First Detection of a Clar's Hydrocarbon, 2,6,10-Tri-tert-Butyltriangulene: A Ground-State Triplet of Non-Kekulé Polynuclear Benzenoid Hydrocarbon. <i>Journal of the American Chemical Society</i> , 2001, 123, 12702-12703.	13.7	157
10	Atom-Resolved Noncontact Atomic Force Microscopic Observations of CeO <sub>2</sub> (111) Surfaces with Different Oxidation States: A Surface Structure and Behavior of Surface Oxygen Atoms. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11666-11673.	2.6	147
11	Direct observation of layered structures at ionic liquid/solid interfaces by using frequency-modulation atomic force microscopy. <i>Chemical Communications</i> , 2010, 46, 8627.	4.1	128
12	Imaging of surface oxygen atoms and their defect structures on CeO <sub>2</sub> (111) by noncontact atomic force microscopy. <i>Applied Surface Science</i> , 2002, 188, 252-256.	6.1	114
13	Atom-resolved noncontact atomic force microscopic and scanning tunneling microscopic observations of the structure and dynamic behavior of CeO <sub>2</sub> (111) surfaces. <i>Catalysis Today</i> , 2003, 85, 79-91.	4.4	110
14	Imaging of individual formate ions adsorbed on TiO <sub>2</sub> (110) surface by non-contact atomic force microscopy. <i>Chemical Physics Letters</i> , 1997, 280, 296-301.	2.6	108
15	Surface characterization of 1T-Mo <sub>2</sub> C (0001). <i>Surface Science</i> , 1999, 426, 187-198.	1.9	103
16	Synthesis of Tris(tetrathiafulvalene)dodecahydro-[18]annulenes and Their Self-Assembly. <i>Organic Letters</i> , 2006, 8, 1917-1920.	4.6	93
17	Electronic structure of a stable phenalenyl radical in crystalline state as studied by SQUID measurements, cw-ESR, and <sup>13</sup> C CP/MAS NMR spectroscopy. <i>Synthetic Metals</i> , 1999, 103, 2257-2258.	3.9	68
18	Temperature-Jump STM Observation of Reaction Intermediate on Metal Oxide Surfaces. <i>The Journal of Physical Chemistry</i> , 1996, 100, 9582-9584.	2.9	58

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19	Atomic Force Microscope Studies on Condensation of Plasmid DNA with Functionalized Fullerenes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3364-3367.	13.8	58
20	Study of pyridine and its derivatives adsorbed on a TiO <sub>2</sub> (110) (1 $\times$ 1) surface by means of STM, TDS, XPS and MD calculation in relation to surface acid–base interaction. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 161-166.	1.7	53
21	The dynamic behaviour of CH <sub>3</sub> OH and NO <sub>2</sub> adsorbed on CeO <sub>2</sub> (111) studied by noncontact atomic force microscopy. <i>Nanotechnology</i> , 2004, 15, S49-S54.	2.6	53
22	Interface Effect on the Electronic Structure of Alkanethiol-Coated Platinum Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10134-10140.	2.6	49
23	STM study on structures of two kinds of wide strands formed on TiO <sub>2</sub> ( $\bar{1}$ ). <i>Surface Science</i> , 2003, 523, L41-L46.	1.9	48
24	Chemisorption of CO and H <sub>2</sub> on clean and oxygen-modified Mo(112). <i>Surface Science</i> , 1993, 281, 241-252.	1.9	47
25	Observation of Redox-State-Dependent Reversible Local Structural Change of Ferrocenyl-Terminated Molecular Island by Electrochemical Frequency Modulation AFM. <i>Langmuir</i> , 2010, 26, 9104-9110.	3.5	46
26	Atom-Resolved Surface Structures and Molecular Adsorption on TiO <sub>2</sub> (001) Investigated by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3207-3214.	2.6	45
27	Ferrocene-terminated alkanethiol self-assembled monolayers: An electrochemical and in situ surface-enhanced infra-red absorption spectroscopy study. <i>Electrochimica Acta</i> , 2013, 107, 33-44.	5.2	45
28	Molecularly resolved observation of anisotropic intermolecular force in a formate-ion monolayer on a TiO <sub>2</sub> (110) surface by scanning tunneling microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 109, 335-343.	4.7	44
29	Honeycomb superperiodic pattern and its fine structure near the armchair edge of graphene observed by low-temperature scanning tunneling microscopy. <i>Physical Review B</i> , 2010, 81, .	3.2	41
30	Photoswitching Behavior of a Novel Single Molecular Tip for Noncontact Atomic Force Microscopy Designed for Chemical Identification. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1968-1970.	2.6	40
31	Size and shape of Au nanoparticles formed in ionic liquids by electron beam irradiation. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14823.	2.8	39
32	STM visualization of site-specific adsorption of pyridine on TiO <sub>2</sub> (110). <i>Catalysis Letters</i> , 1998, 50, 117-123.	2.6	38
33	Origin of Current Enhancement through a Ferrocenylundecanethiol Island Embedded in Alkanethiol SAMs by Using Electrochemical Potential Control. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7561-7564.	3.1	38
34	Structural investigation of ionic liquid/rubrene single crystal interfaces by using frequency-modulation atomic force microscopy. <i>Chemical Communications</i> , 2013, 49, 10596.	4.1	38
35	The selective adsorption and kinetic behaviour of molecules on TiO <sub>2</sub> (110) observed by STM and NC-AFM. <i>Faraday Discussions</i> , 1999, 114, 259-266.	3.2	36
36	Fluctuation of acetate ions in the (2 $\times$ 1)-acetate overlayer on TiO <sub>2</sub> (110)-(1 $\times$ 1) observed by noncontact atomic force microscopy. <i>Surface Science</i> , 2000, 464, L719-L726.	1.9	35

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37	Dynamic aspects and associated structures of TiO <sub>2</sub> (110) and CeO <sub>2</sub> (111) surfaces relevant to oxide catalyses. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 5349.	2.8	35
38	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.	6.1	33
39	Morphology of crystalline $\text{TiO}_2$ -MoO <sub>3</sub> thin films spin-coated on Si (100). <i>Thin Solid Films</i> , 2000, 374, 49-58.	1.8	33
40	STM Study of Surface Species Formed by Methanol Adsorption on Stoichiometric and Reduced ZnO(101̄...0) Surfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14356-14362.	3.1	33
41	Local Analyses of Ionic Liquid/Solid Interfaces by Frequency Modulation Atomic Force Microscopy and Photoemission Spectroscopy. <i>Chemical Record</i> , 2014, 14, 964-973.	5.8	32
42	Observation of a new ridge structure along steps on the MgO(100) surface by non-contact atomic force microscopy. <i>Surface Science</i> , 1999, 441, 529-541.	1.9	31
43	Self-Limiting Growth of Pt Nanoparticles from MeCpPtMe <sub>3</sub> Adsorbed on TiO <sub>2</sub> (110) Studied by Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 2003, 91, 066102.	7.8	29
44	Dynamic and Collective Electrochemical Responses of Tetrathiafulvalene Derivative Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20401-20408.	2.6	29
45	Oxygen adsorption states on Mo(110) surface studied by HREELS. <i>Surface Science</i> , 2002, 502-503, 136-143.	1.9	28
46	Potential-dependent hydration structures at aqueous solution/graphite interfaces by electrochemical frequency modulation atomic force microscopy. <i>Chemical Communications</i> , 2014, 50, 15537-15540.	4.1	28
47	High resolution images of Mo <sub>2</sub> C(0001)- structure by scanning tunneling microscopy. <i>Surface Science</i> , 1999, 440, L857-L862.	1.9	26
48	Systematic analysis of various ionic liquids by attenuated total reflectance spectroscopy (145–450 nm) and quantum chemical calculations. <i>Analyst</i> , 2018, 143, 2539-2545.	3.5	26
49	Atomic-Scale Surface Local Structure of TiO <sub>2</sub> and Its Influence on the Water Photooxidation Process. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2108-2117.	4.6	25
50	Photoswitching tripodal single molecular tip for noncontact AFM measurements: synthesis, immobilization, and reversible configurational change on gold surface. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3655.	2.8	24
51	Comparative Studies of Photoelectron Spectroscopy and Voltammetry of Ferrocene-Terminated Self-Assembled Monolayers Possessing Different Electron-Donating Abilities. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10936-10943.	3.1	24
52	Structural and dynamic properties of 1-butyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide/mica and graphite interfaces revealed by molecular dynamics simulation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6668-6676.	2.8	24
53	C-Terminated Reconstruction and C-Chain Structure on Mo <sub>2</sub> C(0001) Surface Studied by Low Energy Electron Diffraction and Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 3813-3815.	1.5	22
54	Atom-Resolved Structures of TiO <sub>2</sub> (001) Surface by Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 4331-4333.	1.5	22

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55	Oxygen-Vacancy-Stabilized Positively Charged Au Nanoparticles on CeO <sub>2</sub> (111) Studied by Reflection-Absorption Infrared Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10726-10730.	3.1	22
56	Influence of Surface Roughening of Rutile Single-Crystalline TiO <sub>2</sub> on Photocatalytic Activity for Oxygen Photoevolution from Water in Acidic and Alkaline Solutions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5406-5413.	3.1	22
57	Strong Intermolecular Electronic Coupling within a Tetrathiafulvalene Island Embedded in Self-Assembled Monolayers. <i>Journal of the American Chemical Society</i> , 2007, 129, 6571-6575.	13.7	21
58	A relationship between the force curve measured by atomic force microscopy in an ionic liquid and its density distribution on a substrate. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30504-30512.	2.8	21
59	Novel selective etching reaction of carbon atoms on molybdenum carbide by oxygen at room temperature visualized by scanning tunneling microscopy. <i>Chemical Physics Letters</i> , 2000, 325, 275-280.	2.6	19
60	Characterization of a highly selective hydrogen permeable silica membrane. <i>Journal of Materials Science</i> , 2001, 36, 5213-5217.	3.7	19
61	In Situ STM Study of Potential-Dependent Height Change of a Tetrathiafulvalene Derivative Embedded in Alkanethiol Self-Assembled Monolayers on Au(111). <i>Journal of Physical Chemistry B</i> , 2005, 109, 23779-23782.	2.6	19
62	The condensation reaction of pyridine on TiO <sub>2</sub> (110): STM observation in the presence of the reactant atmosphere. <i>Chemical Physics Letters</i> , 1999, 304, 225-230.	2.6	18
63	Quantitative chromosome maps and rDNA localization in the T subgenome of <i>Nicotiana tabacum</i> L. and its putative progenitors. <i>Theoretical and Applied Genetics</i> , 2000, 101, 1180-1188.	3.6	18
64	Potential Dependence of Electronic Transition Spectra of Interfacial Ionic Liquids Studied by Newly Developed Electrochemical Attenuated Total Reflectance Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 3436-3442.	6.5	18
65	CO Adsorption and Oxidation on Pd(110)-c(2 × 4)-O by Reflection-Absorption Infrared Spectroscopy. <i>The Journal of Physical Chemistry</i> , 1996, 100, 18795-18801.	2.9	17
66	Molecularly clean ionic liquid/rubrene single-crystal interfaces revealed by frequency modulation atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6794-6800.	2.8	17
67	Electronic-State Changes of Ferrocene-Terminated Self-Assembled Monolayers Induced by Molecularly Thin Ionic Liquid Layers: A Combined Atomic Force Microscopy, X-ray Photoelectron Spectroscopy, and Ultraviolet Photoelectron Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18467-18480.	3.1	17
68	Highly sensitive detection of adsorbed species on a SiO <sub>2</sub> surface by reflection-absorption infrared spectroscopy. <i>Chemical Physics Letters</i> , 1997, 274, 133-139.	2.6	16
69	Title is missing!. <i>Catalysis Letters</i> , 1998, 54, 177-180.	2.6	16
70	STM/STS observation of peculiar electronic states at graphite edges. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 34, 678-681.	2.7	16
71	Structural Analyses of Chromosomes and Their Constituent Proteins. <i>Cytogenetic and Genome Research</i> , 2009, 124, 215-227.	1.1	16
72	First Direct Visualization of Spillover Species Emitted from Pt Nanoparticles. <i>Langmuir</i> , 2010, 26, 16392-16396.	3.5	16

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73	Development of Local Analysis Technique of Electric Double Layer at Electrode Interfaces and Its Application to Ionic Liquid Interfaces. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1210-1219.	3.2	16
74	Restraint of NH <sub>3</sub> dissociation on oxygen-modified Mo(112). <i>Surface Science</i> , 1995, 324, 17-24.	1.9	15
75	Atomic force microscopic study on thermal and UV-irradiative formation and control of Au nano-particles on TiO <sub>2</sub> (110) from Au(PPh <sub>3</sub> )(NO <sub>3</sub> ). <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 3871-3877.	2.8	15
76	Karyotype analysis of <i>Nicotiana kawakamii</i> Y. Ohashi using DAPI banding and rDNA FISH. <i>Theoretical and Applied Genetics</i> , 2001, 102, 810-814.	3.6	15
77	Structures and electronic properties of surface/edges of nanodiamond and nanographite. <i>Diamond and Related Materials</i> , 2007, 16, 2029-2034.	3.9	15
78	Clean surface processing of rubrene single crystal immersed in ionic liquid by using frequency modulation atomic force microscopy. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	15
79	In situ STM study of surface catalytic reactions on TiO <sub>2</sub> (110) relevant to catalyst design. <i>Topics in Catalysis</i> , 2000, 14, 163-172.	2.8	14
80	Observation of individual adsorbed pyridine, ammonia, and water on TiO <sub>2</sub> (110) by means of scanning tunneling microscopy. <i>Studies in Surface Science and Catalysis</i> , 2001, , 753-756.	1.5	14
81	Potential-dependent structures investigated at the perchloric acid solution/iodine modified Au(111) interface by electrochemical frequency-modulation atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12616-12622.	2.8	14
82	Gradual improvements of charge carrier mobility at ionic liquid/rubrene single crystal interfaces. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	13
83	Microscopic properties of ionic liquid/organic semiconductor interfaces revealed by molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13075-13083.	2.8	13
84	Potential dependent changes in the structural and dynamical properties of 1-butyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide on graphite electrodes revealed by molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19408-19415.	2.8	13
85	Novel reaction path induced by selective blocking of surface atoms: methanol dehydrogenation on Mo(112)-(1 Å <sup>-2</sup> )-O. <i>Surface Science</i> , 1993, 295, 160-168.	1.9	12
86	Space-Correlation Analysis of Formate Ions Adsorbed on TiO <sub>2</sub> (110). <i>Japanese Journal of Applied Physics</i> , 1999, 38, 3830-3832.	1.5	12
87	Development of an X-ray photoemission electron microscopy system with multi-probes, and its application to surface imaging at static and dynamic states. <i>Journal of Microscopy</i> , 2000, 200, 240-250.	1.8	12
88	Simultaneous Detection of 5S and 45S rRNA Genes in <i>Oryzophragmus violaceus</i> by Double Fluorescence in situ Hybridization. <i>Cytologia</i> , 2005, 70, 459-466.	0.6	12
89	Recent development of image analysis methods in plant chromosome research. <i>Cytogenetic and Genome Research</i> , 2005, 109, 83-89.	1.1	12
90	Magnetic and Electronic Properties of Palladium Nanoparticles Coated with $\beta$ -Conjugated Tetrathiafulvalenes Derivative. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20895-20900.	2.6	12

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91	Ionic-Liquid-Originated Carrier Trapping Dynamics at the Interface in Electric Double-Layer Organic FET Revealed by Operando Interfacial Analyses. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2543-2552.	3.1	12
92	Formation of One-Dimensional C60Rows on TiO <sub>2</sub> (110)-1 Å— 2-cross-link Structure and Their Local Polymerization. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21118-21123.	2.6	11
93	Potential dependent change in local structure of ferrocenyl-terminated molecular islands by electrochemical frequency modulation atomic force microscopy. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C4D40-C4D45.	1.2	11
94	Scanning Tunneling Microscopy Study on the Precursor-Dependent Formation of Homogeneous Rh Clusters on Al <sub>2</sub> O <sub>3</sub> /NiAl(110). <i>Journal of Physical Chemistry C</i> , 2011, 115, 14270-14277.	3.1	11
95	Selective Oxidation of Methanol by Extra Oxygen Species on One-Dimensional Mo Rows of a Mo(112)âˆ“(1) Tj ETQq1,1 0.784314 rgB	2.6	10
96	STM observation of electronic wave interference effect in finite-sized graphite with dislocation-network structures. <i>Physical Review B</i> , 2004, 69, .	3.2	10
97	Molecular characterization of the GmAMS1 gene encoding Î²-amylin synthase in soybean plants. <i>Russian Journal of Plant Physiology</i> , 2007, 54, 518-523.	1.1	10
98	Pd Nanoparticle Embedded with Only One Co Atom Behaves as a Single-Particle Magnet. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 103701.	1.6	10
99	Far- and deep-ultraviolet surface plasmon resonance using Al film for efficient sensing of organic thin overlayer. <i>Sensors and Actuators A: Physical</i> , 2020, 301, 111661.	4.1	10
100	Fabrication of ionic liquid ultrathin film by sequential deposition. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FY01.	1.5	9
101	Reflectionâ€“absorption infrared spectroscopic study on a CuOX/SiO <sub>2</sub> model catalyst prepared by spin-coating on a SiO <sub>2</sub> /W/Si(100) buried metal substrate. <i>Chemical Physics Letters</i> , 1999, 299, 158-164.	2.6	8
102	Preferential Formation of Layered Structure of Ionic Liquid at Ionic Liquid Aqueous Solution / Graphite Electrode Interfaces Observed by Frequency-Modulation Atomic Force Microscopy. <i>E-Journal of Surface Science and Nanotechnology</i> , 2014, 12, 89-96.	0.4	8
103	Ordered oxygen on molybdenum(112): modification of surface electronic structure and control of reaction path. <i>Journal of the American Chemical Society</i> , 1992, 114, 4911-4912.	13.7	7
104	In-situ MIR-IR Observation of Peroxo Species on Anatase TiO <sub>2</sub> Particle during Oxygen Photoevolution Reaction. <i>Electrochemistry</i> , 2011, 79, 787-789.	1.4	7
105	Voltammetric and in situ frequency modulation atomic force microscopic investigation of phenalenyl derivatives adsorbed on graphite surfaces. <i>Carbon</i> , 2014, 77, 184-190.	10.3	7
106	Density Functional Theory Investigations of Ferrocene-Terminated Self-Assembled Monolayers: Electronic State Changes Induced by Electric Dipole Field of Coadsorbed Species. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8684-8692.	3.1	7
107	Structural Effects on the Incident Photon-to-Current Conversion Efficiency of Zn Porphyrin Dyes on the Low-Index Planes of TiO <sub>2</sub> . <i>ACS Omega</i> , 2017, 2, 128-135.	3.5	7
108	Computational investigations of electronic structure modifications of ferrocene-terminated self-assembled monolayers: effects of electron donating/withdrawing functional groups attached on the ferrocene moiety. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32715-32722.	2.8	7

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109	Attenuated total reflectance far-ultraviolet and deep-ultraviolet spectroscopy analysis of the electronic structure of a dicyanamide-based ionic liquid with Li <sup>+</sup> . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21768-21775.	2.8	7
110	Electronic excitation spectra of organic semiconductor/ionic liquid interface by electrochemical attenuated total reflectance spectroscopy. <i>Communications Chemistry</i> , 2021, 4, .	4.5	7
111	Characterization and catalytic performance of designed surfaces. <i>Journal of Molecular Catalysis A</i> , 2000, 158, 67-83.	4.8	6
112	Behavior of pyridine on a TiO <sub>2</sub> (110) surface studied by Density Functional Theory. <i>Studies in Surface Science and Catalysis</i> , 2001, 132, 749-752.	1.5	6
113	Potential dependent structure of electric double layer faced to solid electrode surfaces analyzed by electrochemical frequency modulation atomic force microscopy. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 08LA03.	1.5	6
114	Correlation between mobility and the hydrogen bonding network of water at an electrified-graphite electrode using molecular dynamics simulation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1767-1773.	2.8	6
115	Rapid improvements in charge carrier mobility at ionic liquid/pentacene single crystal interfaces by self-cleaning. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6131-6135.	2.8	6
116	Electron transfer of phenalenyl derivative molecules adsorbed at the graphite electrode/aqueous solution interface. <i>Carbon</i> , 2013, 63, 196-201.	10.3	5
117	<i>Operando</i> atomic force microscopy study of electric double-layer transistors based on ionic liquid/rubrene single crystal interfaces. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	5
118	Control of probe function in noncontact atomic force microscopy using photo-responsive molecular tip. <i>E-Journal of Surface Science and Nanotechnology</i> , 2006, 4, 249-253.	0.4	4
119	Control of the Methanol Reaction Pathway by Oxygen Adsorbed on Mo(112). <i>ACS Symposium Series</i> , 1993, , 110-121.	0.5	3
120	Formation of One-Dimensional C <sub>60</sub> Rows on TiO <sub>2</sub> (110)-1Å <sup>-2</sup> and Structural Change of C <sub>60</sub> Adlayers Induced by Electron Irradiation. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 2063-2066.	1.5	3
121	Electrochemical Applications of Frequency Modulation Atomic Force Microscopy. <i>Nanoscience and Technology</i> , 2015, , 461-479.	1.5	3
122	Atoms and Molecules on TiO <sub>2</sub> (110) and CeO <sub>2</sub> (111) Surfaces. <i>Nanoscience and Technology</i> , 2002, , 167-181.	1.5	3
123	Adsorption and Thermal or Photodecomposition of Triethylgallium and Trimethylgallium on Si(111) $\times 7$ . <i>Japanese Journal of Applied Physics</i> , 1995, 34, 4910-4916.	1.5	2
124	STM observation of the quantum interference effect in finite-sized graphite. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 199-203.	4.0	2
125	Photochemical Decomposition of Triethylgallium on Si(111) Studied by Means of STM, LEED, AES and Mass Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 1768-1771.	1.5	1
126	Selective reactivity of oxygen adatoms on Mo(112) for methanol oxidation. <i>Studies in Surface Science and Catalysis</i> , 1997, , 227-234.	1.5	1

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127	Structure and dynamic behaviour of atoms and molecules at catalyst model surfaces. Surface and Interface Analysis, 1999, 28, 135-141.	1.8	1
128	Assembly of plasmid DNA and chromatophore in Rhodospirillum rubrum. Protoplasma, 2000, 214, 158-165.	2.1	1
129	Stimulated parametric fluorescence microspectroscopy. , 2005, , .		1
130	Noncontact Atomic Force Microscopy. Dynamic Behavior of Atoms and Molecules on TiO <sub>2</sub> (110) and CeO <sub>2</sub> (111) Observed by Noncontact Atomic Force Microscopy.. Hyomen Kagaku, 2002, 23, 141-148.	0.0	1
131	STM/STS observations of zigzag and armchair edges of graphite. Tanso, 2007, 2007, 166-173.	0.1	1
132	STM/STS Observations of Graphene Edges. Hyomen Kagaku, 2008, 29, 304-309.	0.0	1
133	Interface Behavior of Electrolyte/Quinone Organic Active Material in Battery Operation by Operando Surface-Enhanced Raman Spectroscopy. Langmuir, 2022, 38, 3951-3958.	3.5	1
134	Visualization of the Atomic-scale Structure and Reactivity of Metal Carbide Surfaces Using Scanning Tunneling Microscopy. , 2003, , 257-267.		0
135	Development of TTF-based self-assembled monolayer systems and their electronic properties. European Physical Journal Special Topics, 2004, 114, 667-671.	0.2	0
136	Dynamic Aspects and Associated Structures of TiO <sub>2</sub> (110) and CeO <sub>2</sub> (111) Surfaces Relevant to Oxide Catalyses. ChemInform, 2004, 35, no.	0.0	0
137	Molecular Electronics under Electrochemical Environment. Hyomen Kagaku, 2008, 29, 253-259.	0.0	0
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