

Hisao Ishii

List of Publications by Year in descending order

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218
papers

9,812
citations

53660

45
h-index

40881

93
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225
all docs

225
docs citations

225
times ranked

7877
citing authors

#	ARTICLE	IF	CITATIONS
1	Invited Paper: Enhanced Current Efficiency and Accumulation Charge in Model OLEDs by Light Irradiation During Deposition of Polar Molecule. Digest of Technical Papers SID International Symposium, 2022, 53, 330-333.	0.1	0
2	Understanding spontaneous orientation polarization of amorphous organic semiconducting films and its application to devices. Synthetic Metals, 2022, 288, 117101.	2.1	14
3	Influence of intermolecular interactions on the formation of spontaneous orientation polarization in organic semiconducting films. Journal of the Society for Information Display, 2021, 29, 29-37.	0.8	16
4	Direct Probing of Gap States and Their Passivation in Halide Perovskites by High-Sensitivity, Variable Energy Ultraviolet Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 5217-5225.	1.5	12
5	Enhanced Orientation of 1,3,5-Tris(1-Phenyl-1H-Benzimidazole-2-yl)Benzene by Light Irradiation during Its Deposition Evaluated by Displacement Current Measurement. IEICE Transactions on Electronics, 2021, E104.C, 176-179.	0.3	2
6	In-gap states of an amorphous InGaZnO thin film studied via high-sensitivity ultraviolet photoemission spectroscopy using low-energy photons. Applied Physics Express, 2021, 14, 071004.	1.1	2
7	Examination of Spontaneous Orientation Polarization in Wet-Processed Tris(8-hydroxyquinolinato)aluminum Film Measured by Rotary Kelvin Probe Method. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2170048.	0.8	0
8	Examination of Spontaneous Orientation Polarization in Wet-Processed Tris(8-hydroxyquinolinato)aluminum Film Measured by Rotary Kelvin Probe Method. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000790.	0.8	4
9	MEMS post-processed self-assembled electret for vibratory energy harvesters. Applied Physics Letters, 2021, 119, .	1.5	13
10	Photoemission investigation of interaction between L-cysteine and silver surface. Surface and Interface Analysis, 2020, 52, 513-517.	0.8	3
11	Role of Spontaneous Orientational Polarization in Organic Donor-Acceptor Blends for Exciton Binding. Advanced Optical Materials, 2020, 8, 2000896.	3.6	18
12	Coherent Electron Transport across a 3 nm Bioelectronic Junction Made of Multi-Heme Proteins. Journal of Physical Chemistry Letters, 2020, 11, 9766-9774.	2.1	42
13	Crystalline versus Amorphous Donor-Acceptor Blends: Influence of Layer Morphology on the Charge-Transfer Density of States. Physical Review Applied, 2020, 13, .	1.5	21
14	Self-Assembled Electret for Vibration-Based Power Generator. Scientific Reports, 2020, 10, 6648.	1.6	31
15	Spontaneous orientation polarization in organic light-emitting diodes. Japanese Journal of Applied Physics, 2019, 58, SF0801.	0.8	57
16	Application of High-Sensitivity UV photoemission Spectroscopy to Examine the Electronic Structure of Thermophilic Rhodopsin. Molecular Crystals and Liquid Crystals, 2019, 687, 34-39.	0.4	0
17	Gap States of a Polyethylene Model Oligomer Observed by Using High-Sensitivity Ultraviolet Photoelectron Spectroscopy. IEICE Transactions on Electronics, 2019, E102.C, 168-171.	0.3	6
18	Obtaining the Highest Occupied Molecular Orbital Peak of Organic Matter from Photoelectron Yield Spectra. Physical Review Applied, 2019, 11, .	1.5	8

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19	Influence of Polarity of Polarization Charge Induced by Spontaneous Orientation of Polar Molecules on Electron Injection in Organic Semiconductor Devices. IEICE Transactions on Electronics, 2019, E102.C, 172-175.	0.3	4
20	Dipolar Doping of Organic Semiconductors to Enhance Carrier Injection. Physical Review Applied, 2019, 12, .	1.5	19
21	Observation of spontaneous orientation polarization in evaporated films of organic light-emitting diode materials. Organic Electronics, 2018, 58, 313-317.	1.4	50
22	Nanoscale Vacuum Tube with ZnO nanorods. , 2018, , .		0
23	Direct observation of charged state in C ₆₀ -based field-effect transistor using <i>in operando</i> photoelectron yield spectroscopy. Applied Physics Express, 2018, 11, 081601.	1.1	2
24	Photoelectron Yield Spectroscopy. , 2018, , 457-463.		3
25	Crystallinity of the epitaxial heterojunction of C60 on single crystal pentacene. Journal of Crystal Growth, 2017, 468, 770-773.	0.7	14
26	Control of the dipole layer of polar organic molecules adsorbed on metal surfaces via different charge-transfer channels. Physical Review B, 2017, 95, .	1.1	8
27	Single-Crystal Pentacene Valence-Band Dispersion and Its Temperature Dependence. Journal of Physical Chemistry Letters, 2017, 8, 1259-1264.	2.1	37
28	Energy Level Alignment at BeBq2/PEI/ITO Interfaces Studied by UV Photoemission Spectroscopy. MRS Advances, 2017, 2, 2261-2266.	0.5	0
29	10 ¹⁵ cm ⁻³ eV ⁻¹ level detection of density of states of a p-type polymer by h ^{1/2} -dependent high-sensitivity ultraviolet photoemission spectroscopy. Applied Physics Express, 2017, 10, 011602.	1.1	15
30	Density of states evaluation of an insulating polymer by high-sensitivity ultraviolet photoemission spectroscopy. Applied Physics Letters, 2017, 110, .	1.5	9
31	Degradation Process in Pentacene-Based Organic Field-Effect Transistors Evaluated by Three-Terminal Capacitance-Voltage Measurements. MRS Advances, 2017, 2, 1267-1272.	0.5	2
32	Molecular floating-gate single-electron transistor. Scientific Reports, 2017, 7, 1589.	1.6	12
33	Effects of the ambient exposure on the electronic states of the clean surface of the pentacene single crystal. Molecular Crystals and Liquid Crystals, 2017, 648, 216-222.	0.4	7
34	Negative capacitance in an organic solar cell observed by displacement current measurement. Journal of Physics: Conference Series, 2017, 924, 012012.	0.3	4
35	Observation of charge transport through CdSe/ZnS quantum dots in a single-electron transistor structure. Journal of Applied Physics, 2016, 120, .	1.1	5
36	Epitaxial Growth of an Organic p-n Heterojunction: C ₆₀ on Single-Crystal Pentacene. ACS Applied Materials & Interfaces, 2016, 8, 13499-13505.	4.0	49

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37	High-resolution core-level photoemission measurements on the pentacene single crystal surface assisted by photoconduction. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 094001.	0.7	19
38	Significant relaxation of residual negative carrier in polar Alq ₃ film directly detected by high-sensitivity photoemission. <i>Applied Physics Express</i> , 2016, 9, 021601.	1.1	22
39	Observation of ambipolar switching in a silver nanoparticle single-electron transistor with multiple molecular floating gates. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 03DC02.	0.8	3
40	Structural Determination of the Epitaxial C ₆₀ Overlayer on the Pentacene Single Crystal by Grazing Incidence X-ray Diffraction. <i>Hyomen Kagaku</i> , 2016, 37, 429-434.	0.0	6
41	Electronic Structures of a Well-Defined Organic Hetero-Interface: C ₆₀ on Pentacene Single Crystal. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 59-64.	0.1	22
42	Spontaneous Orientation Polarization of Polar Molecules and Interface Properties of Organic Electronic Devices. <i>Journal of the Vacuum Society of Japan</i> , 2015, 58, 109-116.	0.3	3
43	Interface Electronic Structures of the L-Cysteine on Noble Metal Surfaces Studied by Ultraviolet Photoelectron Spectroscopy. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 373-379.	0.1	4
44	Effects of Interface Electronic Structures on Transition Voltage Spectroscopy of Alkanethiol Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12765-12771.	1.5	17
45	Charge carrier dynamics and degradation phenomena in organic light-emitting diodes doped by a thermally activated delayed fluorescence emitter. <i>Organic Electronics</i> , 2015, 17, 184-191.	1.4	43
46	Analyzing degradation effects of organic light-emitting diodes via transient optical and electrical measurements. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	46
47	Exploration into the Valence Band Structures of Organic Semiconductors by Angle-Resolved Photoelectron Spectroscopy. , 2015, , 367-404.		1
48	Determination of the highest occupied molecular orbital energy of pentacene single crystals by ultraviolet photoelectron and photoelectron yield spectroscopies. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 01AD03.	0.8	22
49	Evaluation of internal potential distribution and carrier extraction properties of organic solar cells through Kelvin probe and time-of-flight measurements. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	16
50	Wavelength dependence and multiple-induced states in photoresponses of copper phthalocyanine-doped gold nanoparticle single-electron device. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 01AC02.	0.8	2
51	Complete Demonstration of the Valence Electronic Structure Inside a Practical Organic Solar Cell Probed by Low Energy Photoemission. <i>Advanced Energy Materials</i> , 2014, 4, 1301354.	10.2	35
52	<i>V_{oc}</i> from a Morphology Point of View: the Influence of Molecular Orientation on the Open Circuit Voltage of Organic Planar Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26462-26470.	1.5	78
53	Maximum probing depth of low-energy photoelectrons in an amorphous organic semiconductor film. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 197, 17-21.	0.8	38
54	Valence Band Structures of Organic Semiconductor Single Crystals Demonstrated by Sample Charging Durable Photoemission Techniques. <i>Hyomen Kagaku</i> , 2014, 35, 215-220.	0.0	0

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55	Tuning gap states at organic-metal interfaces via quantum size effects. Nature Communications, 2013, 4, 2925.	5.8	15
56	Low-Energy Photoemission Study of C60/Rubrene/Au Interfaces in Practical Device Thickness. Applied Physics Express, 2013, 6, 025801.	1.1	22
57	Three-terminal capacitance-voltage measurements of pentacene field-effect transistors during operation. Organic Electronics, 2013, 14, 2491-2496.	1.4	8
58	Valence band structure of rubrene single crystals in contact with an organic gate dielectric. Organic Electronics, 2013, 14, 1825-1832.	1.4	22
59	Utilizing Carbon Nanotube Electrodes to Improve Charge Injection and Transport in Bis(trifluoromethyl)-dimethyl-rubrene Ambipolar Single Crystal Transistors. ACS Nano, 2013, 7, 10245-10256.	7.3	56
60	Photoresponses in Gold Nanoparticle Single-Electron Transistors with Molecular Floating Gates. Japanese Journal of Applied Physics, 2013, 52, 110102.	0.8	13
61	Influence of the direction of spontaneous orientation polarization on the charge injection properties of organic light-emitting diodes. Applied Physics Letters, 2013, 102, .	1.5	62
62	Interfacial properties at the organic-metal interface probed using quantum well states. Physical Review B, 2012, 86, .	1.1	7
63	Time-of-flight measurement as a tool to investigate the hole blocking nature of an operating organic light-emitting diode. , 2012, , .		0
64	Performance of Alq3-based Organic Light-Emitting Diode Fabricated under Light Irradiation. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2012, 25, 183-187.	0.1	1
65	Full Picture of Valence Band Structure of Rubrene Single Crystals Probed by Angle-Resolved and Excitation-Energy-Dependent Photoelectron Spectroscopy. Applied Physics Express, 2012, 5, 111601.	1.1	37
66	Charge accumulation at organic semiconductor interfaces due to a permanent dipole moment and its orientational order in bilayer devices. Journal of Applied Physics, 2012, 111, .	1.1	145
67	Identification of different origins for s-shaped current voltage characteristics in planar heterojunction organic solar cells. Journal of Applied Physics, 2012, 111, .	1.1	86
68	Electronic structures at organic heterojunctions of N,N'-bis(1-naphthyl)-N,N'-diphenyl-1,1'-biphenyl-4,4'-diamine (NPB)-based organic light emitting diodes. Organic Electronics, 2012, 13, 2850-2855.	1.4	27
69	Interface Electronic Structure of Zinc-Phthalocyanine on the Silver Thin-Film Quantum-Well. E-Journal of Surface Science and Nanotechnology, 2012, 10, 149-152.	0.1	4
70	Photoinduced conductance switching in a dye-doped gold nanoparticle transistor. Applied Physics Letters, 2012, 101, .	1.5	12
71	Interface electronic structure between organic semiconductor film and electrode metal probed by photoelectron yield spectroscopy. Organic Electronics, 2012, 13, 309-319.	1.4	28
72	Time-Of-Flight Technique to Examine Carrier Blocking Nature in Organic Light Emitting Diode. E-Journal of Surface Science and Nanotechnology, 2012, 10, 315-320.	0.1	1

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73	Characterization of the Interactions between Alq ₃ Thin Films and Al Probed by Two-Color Sum-Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9551-9560.	1.5	24
74	Impedance spectroscopy for pentacene field-effect transistor: channel formation process in transistor operation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
75	Displacement current measurement of a pentacene metal-insulator-semiconductor device to investigate both quasi-static and dynamic carrier behavior using a combined waveform. <i>Organic Electronics</i> , 2011, 12, 1560-1565.	1.4	37
76	Displacement Current Measurement of MIS Devices with Ionic Liquids to Explore Carrier Behaviors in Model Interfaces of Organic Devices. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1286, 39.	0.1	0
77	Capacitance-Voltage Measurement of an Ambipolar Pentacene Field Effect Transistor in Operation by Using Displacement Current Measurement. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1287, 1.	0.1	2
78	Light- and ion-gauge-induced space charges in tris-(8-hydroxyquinolate) aluminum-based organic light-emitting diodes. <i>Applied Physics Letters</i> , 2010, 96, 143305.	1.5	20
79	Interface electronic structures of 2-amino-4,5-imidazoledicarbonitrile on Ag and Al surfaces. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	6
80	Higher Resistance to Hole Injection and Electric Field Distribution in Organic Light-Emitting Diodes with Copper Phthalocyanine Interlayer. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 01AA01.	0.8	25
81	Highest-Occupied-Molecular-Orbital Band Dispersion of Rubrene Single Crystals as Observed by Angle-Resolved Ultraviolet Photoelectron Spectroscopy. <i>Physical Review Letters</i> , 2010, 104, 156401.	2.9	189
82	Light Effective Mass in the Widely-Dispersed Valence Band of Single Crystalline Rubrene Observed by High-Resolution Angle-Resolved Ultraviolet Photoelectron Spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1197, 44.	0.1	0
83	Origins of Improved Hole-Injection Efficiency by the Deposition of MoO ₃ on the Polymeric Semiconductor Poly(dioctylfluorene- <i>alt</i> -benzothiadiazole). <i>Advanced Functional Materials</i> , 2009, 19, 3746-3752.	7.8	99
84	Mechanism of hole accumulation at ITO-NPD/Alq ₃ interface studied by displacement current measurement. , 2008, , .		8
85	Threshold voltage shift and formation of charge traps induced by light irradiation during the fabrication of organic light-emitting diodes. <i>Applied Physics Letters</i> , 2008, 92, 203306.	1.5	71
86	Direct observation of the electronic states of single crystalline rubrene under ambient condition by photoelectron yield spectroscopy. <i>Applied Physics Letters</i> , 2008, 93, 173305.	1.5	76
87	Photoemission measurement of extremely insulating materials: Capacitive photocurrent detection in photoelectron yield spectroscopy. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	60
88	Does giant surface potential modify the performance of Alq ₃ -based OLED?: voltage shift and charge traps induced by light irradiation. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
89	Charge-up Durability and in-situ Tracking of a Photooxidation Process of Rubrene Studied by Photoelectron Yield Spectroscopy: Toward Photoelectronic Investigation on Organic Electronics Devices. <i>Hyomen Kagaku</i> , 2008, 29, 543-549.	0.0	2
90	Atmospheric effect of air, N ₂ , O ₂ , and water vapor on the ionization energy of titanyl phthalocyanine thin film studied by photoemission yield spectroscopy. <i>Journal of Applied Physics</i> , 2007, 102, 103704.	1.1	57

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91	Trap elimination and injection switching at organic field effect transistor by inserting an alkane (C44H90) layer. Applied Physics Letters, 2007, 90, 033504.	1.5	35
92	Air-stable n-channel organic field-effect transistors based on N,N'-bis(4-trifluoromethylbenzyl)perylene-3,4,9,10-tetracarboxylic diimide. Chemical Physics Letters, 2007, 436, 139-143.	1.2	59
93	Photoelectron Yield Spectroscopy for Electronic Structures of Organic Electronic Materials and their Interfaces. Hyomen Kagaku, 2007, 28, 264-270.	0.0	23
94	In Situ Real-Time Infrared Spectroscopy Study of Formation of Porous Anodic Alumina on Si. Journal of the Electrochemical Society, 2006, 153, C296.	1.3	13
95	In situ observation of DNA hybridization and denaturation by surface infrared spectroscopy. Journal of Applied Physics, 2006, 99, 094702.	1.1	21
96	Carrier Injection Characteristics of Metal/Tris-(8-hydroxyquinoline) Aluminum Interface with Long Chain Alkane Insertion Layer. Japanese Journal of Applied Physics, 2006, 45, 442-446.	0.8	8
97	Photoinduced Doping of Organic Field Effect Transistors Studied by Displacement Current Measurement and Infrared Absorption Spectroscopy in Multiple Internal Reflection Geometry. Japanese Journal of Applied Physics, 2006, 45, 530-533.	0.8	24
98	Surface Modifications using Thiol Self-Assembled Monolayers on Au Electrodes in Organic Field Effect Transistors. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
99	Atmospheric Effect on the Ionization Energy of Titanyl Phthalocyanine Thin Film as Studied by Photoemission Yield Spectroscopy. Molecular Crystals and Liquid Crystals, 2006, 455, 219-225.	0.4	23
100	61.2: Invited Paper: Structure and Electronic Structure of Organic Interfaces. Digest of Technical Papers SID International Symposium, 2005, 36, 1752.	0.1	0
101	Adsorption of naphthalene on a Si(100)-2 \times 1 surface investigated by infrared spectroscopy. Surface Science, 2005, 576, 45-55.	0.8	12
102	Structural study of thin films of neutral and potassium-doped oligophenylenes on Cu(100). Surface Science, 2005, 589, 19-31.	0.8	4
103	Infrared spectroscopy of pentacene thin film on SiO ₂ surface. Applied Surface Science, 2005, 244, 607-610.	3.1	34
104	Effects of Various Types of Doping on the Electronic Structure of Organic Interfaces. Materials Research Society Symposia Proceedings, 2005, 871, 1.	0.1	0
105	Label-free detection and classification of DNA by surface vibration spectroscopy in conjugation with electrophoresis. Applied Physics Letters, 2005, 86, 053902.	1.5	31
106	Ambipolar operation of fullerene field-effect transistors by semiconductor/metal interface modification. Journal of Applied Physics, 2005, 97, 104509.	1.1	50
107	Study of the interaction of tris-(8-hydroxyquinoline) aluminum (Alq ₃) with potassium using vibrational spectroscopy: Examination of the possible isomerization upon K-doping. Synthetic Metals, 2005, 154, 161-164.	2.1	8
108	Neat Alq ₃ thin film and metal/Alq ₃ interfaces studied by NEXAFS spectroscopy. Synthetic Metals, 2005, 152, 277-280.	2.1	10

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109	Displacement Current Measurement as a Tool to Characterize Organic Field Effect Transistors. <i>Synthetic Metals</i> , 2005, 153, 253-256.	2.1	41
110	Photoinduced doping effect of pentacene field effect transistor in oxygen atmosphere studied by displacement current measurement. <i>Applied Physics Letters</i> , 2005, 86, 252104.	1.5	87
111	Detection of DNA Molecules on Porous Si Surfaces by Infrared Spectromicroscopy. <i>Hyomen Kagaku</i> , 2005, 26, 537-541.	0.0	0
112	Theoretical study of n-alkane adsorption on metal surfaces. <i>Physical Review B</i> , 2004, 69, .	1.1	190
113	Simulation study of angle-resolved photoemission spectra and intramolecular energy-band dispersion of a poly(tetrafluoroethylene) oligomer film. <i>Journal of Chemical Physics</i> , 2004, 120, 10753-10762.	1.2	7
114	Study of the interaction of tris-(8-hydroxyquinoline) aluminum (Alq3) with potassium using vibrational spectroscopy: Examination of possible isomerization upon K doping. <i>Journal of Applied Physics</i> , 2004, 96, 5534-5542.	1.1	46
115	Kelvin probe study of band bending at organic semiconductor/metal interfaces: examination of Fermi level alignment. <i>Physica Status Solidi A</i> , 2004, 201, 1075-1094.	1.7	222
116	Changes in the near-edge X-ray absorption fine structure spectra of long-chain diacetylene derivatives through photopolymerization in Langmuir-Blodgett films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 2329-2336.	2.4	6
117	Orientational ordering of alkyl chain at the air/liquid interface of ionic liquids studied by sum frequency vibrational spectroscopy. <i>Chemical Physics Letters</i> , 2004, 389, 321-326.	1.2	125
118	Investigation of formation processes of an anodic porous alumina film on a silicon substrate. <i>Applied Surface Science</i> , 2004, 237, 369-373.	3.1	8
119	IRRAS and LEED studies of films of the long chain n-alkane n-C44H90 on Cu(1 0 0) and Cu(1 1 0). <i>Applied Surface Science</i> , 2003, 212-213, 441-445.	3.1	10
120	Spontaneous buildup of giant surface potential by the deposition of Alq3. <i>Synthetic Metals</i> , 2003, 137, 911-912.	2.1	4
121	Examination of band bending at C60/metal interfaces by the Kelvin probe method. <i>Synthetic Metals</i> , 2003, 137, 1377-1378.	2.1	8
122	Energy Level Alignment at Alq3/LiF/Al Interfaces Studied by Electron Spectroscopies: Island Growth of LiF and Size-Dependence of the Electronic Structures. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 3666-3675.	0.8	59
123	UV-Photoinduced Surface Anisotropy of Polyimide Studied by Near-Edge X-Ray Absorption Fine Structure Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L67-L69.	0.8	13
124	Carrier Injection Characteristics in Organic Field Effect Transistors Studied by Displacement Current Measurement*. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L1275-L1278.	0.8	70
125	Molecular Orientation in the Organized Molecular Films of Fluorinated Comb Polymers with Various Chain Lengths Studied by Soft X-ray Absorption Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 663-672.	2.0	19
126	Energy Level Alignment at Fullerene/Phthalocyanine Interface Studied by Electron Spectroscopies. <i>Materials Research Society Symposia Proceedings</i> , 2003, 771, 351.	0.1	3

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127	Spontaneous Orientation of Alq ₃ Molecule in Evaporated Film and Its Vanishment by Light Irradiation. Materials Research Society Symposia Proceedings, 2003, 771, 791.	0.1	0
128	Spontaneous buildup of giant surface potential by vacuum deposition of Alq ₃ and its removal by visible light irradiation. Journal of Applied Physics, 2002, 92, 7306-7310.	1.1	162
129	THE EFFECT OF A LiF LAYER ON Al/LiF/Alq ₃ INTERFACES STUDIED WITH ELECTRON SPECTROSCOPIES. Surface Review and Letters, 2002, 09, 425-430.	0.5	5
130	SOFT X-RAY ABSORPTION SPECTRA OF THE LITHIUM PHTHALOCYANINE RADICAL. Surface Review and Letters, 2002, 09, 441-446.	0.5	32
131	INTRAMOLECULAR ENERGY BAND DISPERSION IN ORIENTED THIN FILM OF n-CF ₃ (CF ₂) ₂₂ CF ₃ STUDIED BY ANGLE-RESOLVED UPS AND THEORETICAL SIMULATION. Surface Review and Letters, 2002, 09, 407-412.	0.5	8
132	Oriented Growth of Model Molecules of Polyethylene and Poly(tetrafluoroethylene) (n-C ₄₄ H ₉₀ and) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5 Relation. Materials Research Society Symposia Proceedings, 2002, 734, 451.	0.1	0
133	FUNCTIONAL ORGANIC MATERIALS STUDIED USING UPS AND NEXAFS. Advanced Series in Physical Chemistry, 2002, , 386-461.	1.5	4
134	Polarized Near Edge X-ray Absorption Fine Structure Spectroscopic Study on Organized Molecular Films of Fluorinated Comb Polymers with Various Chain Lengths. Langmuir, 2002, 18, 1437-1440.	1.6	22
135	Examination of band bending at buckminsterfullerene (C ₆₀)/metal interfaces by the Kelvin probe method. Journal of Applied Physics, 2002, 92, 3784-3793.	1.1	137
136	Surface-enhanced Raman scattering study of silver deposition on thin Alq ₃ layers. Applied Surface Science, 2002, 190, 371-375.	3.1	10
137	Structures of a film of the long-chain n-alkane n-C ₄₄ H ₉₀ on a Cu surface. Surface Science, 2002, 515, 157-174.	0.8	29
138	Vibration spectroscopic study of the interaction of tris-(8-hydroxyquinoline) aluminum (Alq ₃) with potassium. Applied Surface Science, 2002, 190, 382-385.	3.1	14
139	High-Energy Spectroscopic Studies of the Electronic Structures of Organic Systems Formed from Carbon and Fluorine by UPS, Vacuum-UV Optical Spectroscopy, and NEXAFS: Poly(hexafluoro-1,3-butadiene) [C(CF ₃) ₃ = C(CF ₃) ₃], Fluorinated Graphites (CF, C ₂ F, and C ₆ F), Perfluoroalkanes C _n F _{2n+2} , Poly(tetrafluoroethylene) (CF ₂) _n		

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145	Electronic Structure of Polycarbosilane Studied by UV Photoelectron Spectroscopy. Journal of Physical Chemistry B, 2001, 105, 5626-5629.	1.2	11
146	Surface Orientation of Main and Side Chains of Polyimide Alignment Layer Studied by Near-Edge X-ray Absorption Fine Structure Spectroscopy. Journal of Physical Chemistry B, 2001, 105, 9191-9195.	1.2	27
147	Electronic structures of TPD/metal interfaces studied by photoemission and Kelvin probe method. Applied Surface Science, 2001, 175-176, 407-411.	3.1	30
148	Electronic structure of graphite fluorides. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 288, 340-344.	0.9	16
149	Electronic structure of organic/metal interfaces. Thin Solid Films, 2001, 393, 298-303.	0.8	85
150	In-plane X-ray diffraction and polarized NEXAFS spectroscopic studies on the organized molecular films of fluorinated amphiphiles with vinyl esters and their comb-polymers. Chemical Physics Letters, 2001, 349, 6-12.	1.2	95
151	Energy Level Alignment at Organic-Metal Interfaces. , 2001, , .		3
152	Energy structures of molecular semiconductors contacting metals under air studied by the diffusion potential measurements and the Kelvin probe technique. Thin Solid Films, 2000, 366, 237-248.	0.8	40
153	Intramolecular energy-band dispersion in oriented thin films of n-CF ₃ (CF ₂) ₂₂ CF ₃ observed by angle-resolved photoemission with synchrotron radiation. Journal of Chemical Physics, 2000, 112, 3333-3338.	1.2	18
154	Formation of polaron pairs and time-resolved photogeneration of free charge carriers in π -conjugated polymers. Physical Review B, 2000, 62, 2505-2515.	1.1	43
155	Ultrathin-film differential-thermal-analysis apparatus with simultaneous photoemission measurements. Review of Scientific Instruments, 2000, 71, 1788-1792.	0.6	2
156	Dependence of indium oxide work function on surface cleaning method as studied by ultraviolet and x-ray photoemission spectroscopies. Journal of Applied Physics, 2000, 87, 295-298.	1.1	490
157	Photoemission study of direct photomicro machining in poly(vinylidene fluoride). Journal of Applied Physics, 2000, 87, 4010-4016.	1.1	53
158	Softened CH Stretching Vibration of a Long-Chainn-Alkane,n-C ₄₄ H ₉₀ , Physisorbed on a Ag(111) Surface: An Infrared Reflection Absorption Spectroscopic Study. Journal of Physical Chemistry B, 2000, 104, 7370-7376.	1.2	43
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