

Kenji Ishida

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116
papers

1,311
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h-index

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123
ext. papers

1,421
ext. citations

2.7
avg, IF

3.99
L-index

#	Paper	IF	Citations
116	Enhanced performance of organic light emitting device by insertion of conducting/insulating WO ₃ anodic buffer layer. <i>Synthetic Metals</i> , 2005 , 151, 141-146	3.6	101
115	Remanent polarization of evaporated films of vinylidene fluoride oligomers. <i>Journal of Applied Physics</i> , 2003 , 93, 2866-2870	2.5	88
114	Structures of vinylidene fluoride oligomer thin films on alkali halide substrate. <i>Journal of Applied Physics</i> , 1999 , 86, 3688-3693	2.5	55
113	Piezoelectric properties of vinylidene fluoride oligomer for use in medical tactile sensor applications. <i>Sensors and Actuators A: Physical</i> , 2008 , 144, 90-96	3.9	51
112	Orientation control of poly(vinylidene fluoride-trifluoroethylene) crystals and molecules using atomic force microscopy. <i>Applied Physics Letters</i> , 2003 , 82, 4050-4052	3.4	38
111	Molecular Ferroelectricity of Vinylidene Fluoride Oligomer Investigated by Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 4361-4364	1.4	38
110	Ferro- and piezoelectric properties of vinylidene fluoride oligomer thin film fabricated on flexible polymer film. <i>Applied Physics Letters</i> , 2007 , 90, 202906	3.4	37
109	Structural evaluation of epitaxially grown organic evaporated films by total reflection x-ray diffractometer. <i>Journal of Applied Physics</i> , 1993 , 73, 7338-7343	2.5	37
108	Molecular orientation and anisotropic carrier mobility in poorly soluble polythiophene thin films. <i>Applied Physics Letters</i> , 2012 , 100, 203305	3.4	35
107	Structures and Ferroelectric Natures of Epitaxially Grown Vinylidene Fluoride Oligomer Thin Films. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 6358-6363	1.4	31
106	The mechanism for negative photochromism of spiropyran in silica. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 462-466	2.1	30
105	In-Situ X-Ray Observation of Molecular Structure in Organic Thin Films during Evaporation Process by Total Reflection In-Plane X-Ray Diffractometer. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, 4081-4085	1.4	27
104	Highly stable n-type thermoelectric materials fabricated via electron doping into inkjet-printed carbon nanotubes using oxygen-abundant simple polymers. <i>Molecular Systems Design and Engineering</i> , 2017 , 2, 616-623	4.6	24
103	Alkyl substituent effects on J- or H-aggregate formation of bisazomethine dyes. <i>Dyes and Pigments</i> , 2012 , 92, 783-788	4.6	24
102	Pyroelectric Response of Submicron Free-Standing Poly(vinylidene fluoride/trifluoroethylene) Copolymer Thin Films. <i>Applied Physics Express</i> , 2013 , 6, 021601	2.4	24
101	Effect of crystallinity in small molecular weight organic heterojunction solar cells. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5357	7.1	23
100	Mechanical, Thermal, and Electrical Properties of Flexible Polythiophene with Disiloxane Side Chains. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700197	2.6	20

99	Crystal and Layer Structures of Ferroelectric Oligomer Thin Films. <i>Macromolecules</i> , 2009 , 42, 3353-3357	5.5	20
98	Novel Ultrasonic Soldering Technique for Lead-Free Solders. <i>Materials Transactions</i> , 2004 , 45, 703-709	1.3	20
97	Effect of Substrate Temperature on Molecular Orientation in Evaporated Thin Films of Vinylidene Fluoride Oligomer. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, 7389-7394	1.4	19
96	Effect of Ferroelectric/Metal Interface Structure on Polarization Reversal. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1259-1262	1.4	19
95	Density Variation in Heat- and Pressure-Treated Egg White during Gel-to-Glass-like Transition. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, 3754-3758	1.4	19
94	Direct observation of the growth process of organic crystals by scanning tunnelling microscopy. <i>Journal of Crystal Growth</i> , 1993 , 131, 13-16	1.6	19
93	Radiochromic film containing spiropyran dye for dosimetry of low energy X-rays. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 427-430	2.1	18
92	Photo-induced alignment behavior of azobenzene compound in thin film. <i>Thin Solid Films</i> , 2009 , 518, 805-809	2.2	17
91	Electrospray induced ferroelectricity in poly(vinylidene fluoride) thin films. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8272		17
90	Outstanding Electrode-Dependent Seebeck Coefficients in Ionic Hydrogels for Thermally Chargeable Supercapacitor near Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43674-43683	9.5	17
89	Characterization of ferroelectric/metal interface under the repeated polarization switching. <i>Thin Solid Films</i> , 2008 , 516, 2450-2453	2.2	16
88	Flexible programmable logic gate using organic ferroelectric multilayer. <i>Applied Physics Letters</i> , 2007 , 91, 193506	3.4	16
87	Nanoscale Electrical Properties of Molecular Films in the Vicinity of Platinum Ultrathin Film Electrode. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 4852-4855	1.4	16
86	Orientation control of ferroelectric polymer molecules using contact-mode AFM. <i>European Polymer Journal</i> , 2004 , 40, 933-938	5.2	16
85	Fabrication and optical properties of photochromic compound/clay hybrid films. <i>Thin Solid Films</i> , 2009 , 518, 651-655	2.2	15
84	Reversible multi-coloring reaction of spironaphthooxazine controlled by long-chain molecule. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 213, 189-193	4.7	15
83	Study on orientation mechanisms of poly(vinylidene fluoride-trifluoroethylene) molecules aligned by atomic force microscopy. <i>Applied Surface Science</i> , 2006 , 252, 5489-5494	6.7	15
82	Crystalline thin films of β phase poly(9,9-dioctylfluorene). <i>Thin Solid Films</i> , 2011 , 519, 2247-2250	2.2	14

81	Increase in carrier mobility of organic ultrathin-film transistor with increasing molecular layers investigated by Kelvin probe force microscopy. <i>Journal of Applied Physics</i> , 2005 , 97, 124503	2.5	14
80	Vinylidene fluoride telomers for piezoelectric devices. <i>Polymer Journal</i> , 2011 , 43, 171-179	2.7	13
79	Surface Potential Measurement of Oligothiophene Ultrathin Films by Kelvin Probe Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 4381-4383	1.4	13
78	The effect of local polarized domains of ferroelectric P(VDF/TrFE) copolymer thin film on a carbon nanotube field-effect transistor. <i>Nanotechnology</i> , 2008 , 19, 035202	3.4	12
77	Structural and electrical characterization of spin-coated polyurea thin films. <i>Polymer</i> , 2015 , 79, 128-134	3.9	11
76	Synthesis, characterization, photo-induced alignment, and surface orientation of poly(9,9-dioctylfluorene-alt-azobenzene)s. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 5107-5114	2.5	11
75	Formation of Epitaxial Twins by Perfluoro-N-Alkane Evaporated on Alkali Halide Crystal. <i>Japanese Journal of Applied Physics</i> , 1995 , 34, L240-L243	1.4	11
74	Crystal growth of rubrene in ionic liquids by vacuum vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 05FT03	1.4	10
73	Pyroelectricity of Ferroelectric Vinylidene Fluoride-Oligomer-Evaporated Thin Films. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, L1334-L1336	1.4	10
72	Influence of doping location and width of dimethylquinacridone on the performance of organic light emitting devices. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 392-396	3	10
71	Orientation Control of Molecular Chains in Polymers Using Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 4575-4579	1.4	9
70	Thermodynamics of ionic liquid evaporation under vacuum. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 21262-21268	3.6	9
69	Palmitoylated amino acids as low-molecular-weight gelators for ionic liquids. <i>Colloid and Polymer Science</i> , 2017 , 295, 1109-1116	2.4	8
68	Enhanced thermoelectric power of single-wall carbon nanotube film blended with ionic liquid. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 03DC01	1.4	8
67	Piezoelectric vibration energy harvesters with stretched and multistacked organic ferroelectric films. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 04CL04	1.4	7
66	Polarity tuning of single-walled carbon nanotube by dipole field of ferroelectric polymer for thermoelectric conversion. <i>Applied Physics Express</i> , 2016 , 9, 081301	2.4	7
65	Polyurea spin-coated thin films: Pyro- and piezoelectric properties and application to infrared sensors. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 04DK13	1.4	7
64	A DFT and direct MO dynamics study on the structures and electronic states of phenyl-capped terthiophene. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 2895-2904	2.3	7

63	Application of picene thin-film semiconductor as a photocatalyst for photocatalytic hydrogen formation from water. <i>Applied Catalysis B: Environmental</i> , 2016 , 192, 88-92	21.8	7
62	Fabrication and characterization of elastomeric semiconductive thiophene polymers by peroxide crosslinking. <i>Polymer Journal</i> , 2019 , 51, 257-263	2.7	7
61	Unique Morphology and Optical Properties of Tris(8-hydroxyquinoline)aluminum Crystal Grown by Ionic Liquid-assisted Vacuum Vapor Deposition. <i>Chemistry Letters</i> , 2016 , 45, 1156-1158	1.7	6
60	Photoinduced charge-carrier modulation of inkjet-printed carbon nanotubes via poly(vinyl acetate) doping and dedoping for thermoelectric generators. <i>Chemical Physics Letters</i> , 2018 , 691, 219-223	2.5	6
59	Anomalous piezoelectric properties of poly(vinylidene fluoride-trifluoroethylene)/ionic liquid gels. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 04FL06	1.4	5
58	Fabrication and semiconducting properties of monodisperse n-type phthalocyanine nanograss. <i>Thin Solid Films</i> , 2013 , 531, 513-518	2.2	5
57	Vibration energy harvester with piezoelectric properties using polyurea thin films. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 653, 188-193	0.5	5
56	Thermal stability of piezoelectric properties and infrared sensor performance of spin-coated polyurea thin films. <i>Applied Physics Express</i> , 2015 , 8, 101501	2.4	5
55	Photovoltaic properties of organic solar cell with octafluorophthalocyanine as electron acceptors. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 01AB04	1.4	5
54	Pillarlike Crystals of Pentacene Prepared from Soluble Precursor. <i>Applied Physics Express</i> , 2011 , 4, 121603.4	3.4	5
53	Optical Characteristics of Ultrathin Oligosilane Films Prepared by Molecular Beam Deposition Method. <i>Japanese Journal of Applied Physics</i> , 1998 , 37, L953-L955	1.4	5
52	Ferroelectric and piezoelectric properties of poly(vinylidene fluoride-trifluoroethylene) gels. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 04CL03	1.4	4
51	Thermoelectric thiophene dendrimers with large Seebeck coefficients. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 809-814	4.6	4
50	Hydrogen production for photocatalytic decomposition of water with urea as a reducing agent. <i>Catalysis Today</i> , 2018 , 307, 231-236	5.3	4
49	Two-Dimensional Crystal Growth Process of n-Alkane Molecules Observed Using Scanning Tunneling Microscope. <i>Japanese Journal of Applied Physics</i> , 1995 , 34, 3846-3851	1.4	4
48	Electrorheological response of the interfacial layer between a liquid crystal and a polymer alignment sublayer. <i>Thin Solid Films</i> , 2014 , 558, 227-230	2.2	3
47	High path tracking control of an intelligent walking-support robot under time-varying friction and unknown parameters This paper is selected as the "Cutting Edge of Robotics in Japan" by the Editorial Committee of Advanced Robotics. View all notes. <i>Advanced Robotics</i> , 2017 , 31, 739-752	1.7	3
46	In-plane polarization switching of highly crystalline vinylidene fluoride oligomer thin films. <i>Applied Physics Express</i> , 2015 , 8, 111601	2.4	3

45	Current-voltage characteristics of organic photovoltaic cells following deposition of cathode electrode. <i>Applied Physics Letters</i> , 2010 , 97, 193307	3.4	3
44	Structural change of polydiacetylene Langmuir film during compression process. <i>Thin Solid Films</i> , 2009 , 518, 819-823	2.2	3
43	In-plane Observations of RF-sputtered LiNbO ₃ Thin Films Using an Energy Dispersive Total-Reflection X-Ray Diffractometer*1. <i>Japanese Journal of Applied Physics</i> , 1996 , 35, L1699-L1702	1.4	3
42	Fabrication of Nanogap Electrodes Using Ultrathin Metal Film. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 4173-4176	1.4	3
41	Orientation Control of High-Density Polyethylene Molecular Chains Using Atomic Force Microscope. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, L1390-L1393	1.4	3
40	Observation of molecular reorientations in vapor-deposited organic thin films during heat treatment by energy-dispersive total-reflection X-ray diffractometry. <i>Thin Solid Films</i> , 1994 , 245, 44-49	2.2	3
39	In situ Monitoring of Vapor-phase Polymerization and Characterization of Poly(3,4-ethylenedioxythiophene) Thin Films. <i>Sensors and Materials</i> , 2018 , 30, 2873	1.5	3
38	Piezoelectric Properties of Vinylidene Fluoride Oligomer for Use in Tactile Sensor. <i>Journal of the Robotics Society of Japan</i> , 2008 , 26, 711-717	0.1	3
37	Structural and Ferroelectric Characterization of Uniaxially Oriented Vinylidene Fluoride Oligomer Thin Films. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 04DK05	1.4	3
36	Directly monitoring and power generation from pulsating 3D heart model with organic flexible piezoelectric device. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SDDF02	1.4	3
35	High hardness and low dielectric constant thin films with oriented urea oligomers by physical vapor deposition. <i>Journal of Materials Science</i> , 2019 , 54, 2483-2492	4.3	3
34	Fabrication of One-Dimensionally Oriented Fluorene-thiophene Copolymer Thin Films and Anisotropic Transistor Characteristics. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 01AE13	1.4	2
33	Structural properties of epitaxially grown perfluoron-alkanethin films prepared by vapor deposition. <i>Applied Surface Science</i> , 1996 , 100-101, 116-119	6.7	2
32	Synthesis and nanorod growth of n-type phthalocyanine on ultrathin metal films by chemical vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 03DD07	1.4	2
31	Development of catheter-type tactile sensor composed of polyvinylidene fluoride (PVDF) film. <i>ROBOMECH Journal</i> , 2019 , 6,	2.1	2
30	Improving the light-emitting properties of single-layered polyfluorene light-emitting devices by simple ionic liquid blending. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 03EH02	1.4	1
29	Preparation of poly(3,4-ethylenedioxythiophene) by vapor-phase polymerization at the interface between 3,4-ethylenedioxythiophene vapor and oxidant melt. <i>Molecular Crystals and Liquid Crystals</i> , 2019 , 688, 53-59	0.5	1
28	Uniaxially aligned nucleation of vinylidene fluoride oligomer single-crystals on highly ordered ultrathin films of poly(vinylidene fluoride-trifluoroethylene) copolymer. <i>Materials Letters</i> , 2013 , 105, 227-231	3.3	1

27	Nanorod growth of copper phthalocyanine on fluorinated phosphonic acid SAM-modified indium tin oxide substrate for organic photovoltaic devices. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 653, 157-163	0.5	1
26	Electrical properties of ferroelectric liquid crystals during thermal phase transition. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 01AE07	1.4	1
25	In-plane Orientation of Fluorescent Molecules in Friction-transferred Films. <i>Chemistry Letters</i> , 2011 , 40, 1288-1289	1.7	1
24	Measurement of the Piezoelectric Properties of Vinylidene Fluoride Oligomer Using Pneumatic Pressure for Tactile Sensors. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2012 , 6, 975-988		1
23	In Situ Observation of Oxidization Process at the Most Upper Surfaces by X-Ray Surface Propagation Waves. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 591, 40		1
22	Novel GIX2 Apparatus for Thin Film Analysis Using Color Laue Method. <i>Advances in X-ray Analysis</i> , 1995 , 39, 171-180		1
21	Energy Dispersive Grazing Incidence X-ray Diffraction Study on Organic Thin Films Epitaxially Grown on Crystalline Substrate. <i>Advances in X-ray Analysis</i> , 1995 , 39, 659-664		1
20	Molecular origin of photostability for fluorene-based donor-acceptor type photovoltaic polymers. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SDDA11	1.4	1
19	Characteristics of an infrared sensor formed with a few molecular layers of vinylidene fluoride oligomers with in situ poling during vacuum evaporation. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SDDF01	1.4	1
18	Thermophysical properties of the parylene C dimer under vacuum. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SDDA15	1.4	0
17	Formation mechanism of ferroelectric poly (vinylidene fluoride-trifluoroethylene) copolymers with in-plane dipole alignment under low electric field from melt and its SPR based pyroelectric sensor. <i>Polymer</i> , 2021 , 228, 123904	3.9	0
16	Multipoint detection of structural deformation of pulsating 3D heart model using flexible organic piezoelectric-sensor array. <i>Japanese Journal of Applied Physics</i> , 2022 , 61, SE1014	1.4	0
15	Surface modification and effects of organic ferroelectrics with blending hyperbranched polymer. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 03EG02	1.4	
14	Electroluminescence from the Microphase-separated Structure of Blended Films with a Light-emitting Polymer and an Ionic Liquid. <i>Chemistry Letters</i> , 2016 , 45, 259-261	1.7	
13	Thermodynamics and kinetics of polyoxyethylene alkyl ether evaporation from inkjet-printed carbon nanotube thin films by vacuum annealing. <i>Flexible and Printed Electronics</i> , 2018 , 3, 025006	3.1	
12	Cutting-Edge Research at the Membrane Center in Kobe University in Japan. <i>Biotechnology and Biotechnological Equipment</i> , 2013 , 27, 3478-3484	1.6	
11	Structural and Ferroelectric Characterization of Uniaxially Oriented Vinylidene Fluoride Oligomer Thin Films. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 04DK05	1.4	
10	Heteroepitaxial Growth of Fluorinated Long Chain Molecule on CAF ₂ (111) AND Gold Coated KCL(001). <i>Molecular Crystals and Liquid Crystals</i> , 1997 , 294, 43-46		

- 9 Development of Nonvolatile Memory using Well-Ordered Ferroelectric Linear Molecules. *Materials Research Society Symposia Proceedings*, **2004**, 830, 189
- 8 Surface Electrical Measurements of Photo-catalysis on Rutile TiO₂(110). *Materials Research Society Symposia Proceedings*, **2002**, 751, 1
- 7 In-plane observations of LiNbO₃ thin films by energy dispersive total-reflection x-ray diffractometer. *Integrated Ferroelectrics*, **1998**, 20, 243-244 0.8
- 6 Energy Dispersive Grazing Incidence X-ray Diffraction Study on Organic Thin Films Epitaxially Grown on Crystalline Substrate **1997**, 659-664
- 5 Novel Gix2 Apparatus for Thin Film Analysis Using Color Laue Method **1997**, 171-180
- 4 3D-structural Analysis of Epitaxially-grown Organic Thin Films by a Newly Developed Energy Dispersive X-ray Diffraction System.. *Hyomen Kagaku*, **1998**, 19, 259-264
- 3 Pyroelectric Organic Sensor for Human Detection Mechanism of Galloping and Its Countermeasures. *Journal of the Institute of Electrical Engineers of Japan*, **2016**, 136, 90-93 0
- 2 5.Organic Memory. *Kyokai Joho Imejji Zasshi/Journal of the Institute of Image Information and Television Engineers*, **2010**, 64, 1316-1319 0
- 1 Improvement of thermal stability of an organic pyroelectric infrared sensor with Parylene C coating. *Japanese Journal of Applied Physics*, **2020**, 59, SGGG05 1.4