Kenji Ishida

List of Publications by Year
in descending order

122 papers	1,593 citations	331642 21 h-index	377849 34 g-index
123 all docs	123 docs citations	123 times ranked	1542 citing authors

#	Article	IF	Citations
1	Enhanced performance of organic light emitting device by insertion of conducting/insulating WO3 anodic buffer layer. Synthetic Metals, 2005, 151, 141-146.	3.9	110
2	Remanent polarization of evaporated films of vinylidene fluoride oligomers. Journal of Applied Physics, 2003, 93, 2866-2870.	2.5	94
3	Piezoelectric properties of vinylidene fluoride oligomer for use in medical tactile sensor applications. Sensors and Actuators A: Physical, 2008, 144, 90-96.	4.1	57
4	Structures of vinylidene fluoride oligomer thin films on alkali halide substrate. Journal of Applied Physics, 1999, 86, 3688-3693.	2.5	56
5	Structural evaluation of epitaxially grown organic evaporated films by total reflection xâ€ray diffractometer. Journal of Applied Physics, 1993, 73, 7338-7343.	2.5	44
6	Orientation control of poly(vinylidenefluoride-trifluoroethylene) crystals and molecules using atomic force microscopy. Applied Physics Letters, 2003, 82, 4050-4052.	3.3	42
7	Ferro- and piezoelectric properties of vinylidene fluoride oligomer thin film fabricated on flexible polymer film. Applied Physics Letters, 2007, 90, 202906.	3.3	40
8	Molecular orientation and anisotropic carrier mobility in poorly soluble polythiophene thin films. Applied Physics Letters, 2012, 100, .	3.3	40
9	Molecular Ferroelectricity of Vinylidene Fluoride Oligomer Investigated by Atomic Force Microscopy. Japanese Journal of Applied Physics, 2001, 40, 4361-4364.	1.5	39
10	Outstanding Electrode-Dependent Seebeck Coefficients in Ionic Hydrogels for Thermally Chargeable Supercapacitor near Room Temperature. ACS Applied Materials & Interfaces, 2020, 12, 43674-43683.	8.0	39
11	In-SituX-Ray Observation of Molecular Structure in Organic Thin Films during Evaporation Process by Total Reflection In-Plane X-Ray Diffractometer. Japanese Journal of Applied Physics, 1992, 31, 4081-4085.	1.5	38
12	Highly stable n-type thermoelectric materials fabricated via electron doping into inkjet-printed carbon nanotubes using oxygen-abundant simple polymers. Molecular Systems Design and Engineering, 2017, 2, 616-623.	3.4	36
13	Structures and Ferroelectric Natures of Epitaxially Grown Vinylidene Fluoride Oligomer Thin Films. Japanese Journal of Applied Physics, 2000, 39, 6358-6363.	1.5	34
14	The mechanism for negative photochromism of spiropyran in silica. Journal of Physical Organic Chemistry, 2012, 25, 462-466.	1.9	34
15	Mechanical, Thermal, and Electrical Properties of Flexible Polythiophene with Disiloxane Side Chains. Macromolecular Chemistry and Physics, 2017, 218, 1700197.	2.2	30
16	Synthesis, characterization, photoâ€induced alignment, and surface orientation of poly(9,9â€dioctylfluoreneâ€altâ€azobenzene)s. Journal of Polymer Science Part A, 2012, 50, 5107-5114.	2.3	27
17	Alkyl substituent effects on J- or H-aggregate formation of bisazomethine dyes. Dyes and Pigments, 2012, 92, 783-788.	3.7	27
18	Effect of crystallinity in small molecular weight organic heterojunction solar cells. Journal of Materials Chemistry C, 2014, 2, 5357.	5.5	26

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19	Bicyclic-ring base doping induces n-type conduction in carbon nanotubes with outstanding thermal stability in air. Nature Communications, 2022, 13, .	12.8	26
20	Pyroelectric Response of Submicron Free-Standing Poly(vinylidene fluoride/trifluoroethylene) Copolymer Thin Films. Applied Physics Express, 2013, 6, 021601.	2.4	24
21	Density Variation in Heat- and Pressure-Treated Egg White during Gel-to-Glass-like Transition. Japanese Journal of Applied Physics, 1992, 31, 3754-3758.	1.5	23
22	Novel Ultrasonic Soldering Technique for Lead-Free Solders. Materials Transactions, 2004, 45, 703-709.	1.2	23
23	Direct observation of the growth process of organic crystals by scanning tunnelling microscopy. Journal of Crystal Growth, 1993, 131, 13-16.	1.5	21
24	Effect of Substrate Temperature on Molecular Orientation in Evaporated Thin Films of Vinylidene Fluoride Oligomer. Japanese Journal of Applied Physics, 1997, 36, 7389-7394.	1.5	21
25	Crystal and Layer Structures of Ferroelectric Oligomer Thin Films. Macromolecules, 2009, 42, 3353-3357.	4.8	21
26	Radiochromic film containing spiropyran dye for dosimetry of low energy Xâ€rays. Journal of Physical Organic Chemistry, 2012, 25, 427-430.	1.9	21
27	Electrospray induced ferroelectricity in poly(vinylidene fluoride) thin films. Journal of Materials Chemistry, 2010, 20, 8272.	6.7	20
28	Orientation control of ferroelectric polymer molecules using contact-mode AFM. European Polymer Journal, 2004, 40, 933-938.	5.4	19
29	Flexible programmable logic gate using organic ferroelectric multilayer. Applied Physics Letters, 2007, 91, .	3.3	19
30	Effect of Ferroelectric/Metal Interface Structure on Polarization Reversal. Japanese Journal of Applied Physics, 2008, 47, 1259-1262.	1.5	19
31	Reversible multi-coloring reaction of spironaphtooxazine controlled by long-chain molecule. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 213, 189-193.	3.9	19
32	Vinylidene fluoride telomers for piezoelectric devices. Polymer Journal, 2011, 43, 171-179.	2.7	19
33	Photo-induced alignment behavior of azobenzene compound in thin film. Thin Solid Films, 2009, 518, 805-809.	1.8	18
34	Surface Potential Measurement of Oligothiophene Ultrathin Films by Kelvin Probe Force Microscopy. Japanese Journal of Applied Physics, 2001, 40, 4381-4383.	1.5	17
35	Study on orientation mechanisms of poly(vinylidenefluoride-trifluoroethylene) molecules aligned by atomic force microscopy. Applied Surface Science, 2006, 252, 5489-5494.	6.1	17
36	Nanoscale Electrical Properties of Molecular Films in the Vicinity of Platinum Ultrathin Film Electrode. Japanese Journal of Applied Physics, 2003, 42, 4852-4855.	1.5	16

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37	Characterization of ferroelectric/metal interface under the repeated polarization switching. Thin Solid Films, 2008, 516, 2450-2453.	1.8	16
38	Fabrication and optical properties of photochromic compound/clay hybrid films. Thin Solid Films, 2009, 518, 651-655.	1.8	16
39	Crystalline thin films of Î²-phase poly(9,9-dioctylfluorene). Thin Solid Films, 2011, 519, 2247-2250.	1.8	16
40	Increase in carrier mobility of organic ultrathin-film transistor with increasing molecular layers investigated by Kelvin probe force microscopy. Journal of Applied Physics, 2005, 97, 124503.	2.5	15
41	Thermodynamics of ionic liquid evaporation under vacuum. Physical Chemistry Chemical Physics, 2018, 20, 21262-21268.	2.8	15
42	The effect of local polarized domains of ferroelectric P(VDF/TrFE) copolymer thin film on a carbon nanotube field-effect transistor. Nanotechnology, 2008, 19, 035202.	2.6	14
43	Formation of Epitaxial Twins by Perfluoro-N-Alkane Evaporated on Alkali Halide Crystal. Japanese Journal of Applied Physics, 1995, 34, L240-L243.	1.5	13
44	Pyroelectricity of Ferroelectric Vinylidene Fluoride-Oligomer-Evaporated Thin Films. Japanese Journal of Applied Physics, 2003, 42, L1334-L1336.	1.5	12
45	Crystal growth of rubrene in ionic liquids by vacuum vapor deposition. Japanese Journal of Applied Physics, 2014, 53, 05FT03.	1.5	12
46	Application of picene thin-film semiconductor as a photocatalyst for photocatalytic hydrogen formation from water. Applied Catalysis B: Environmental, 2016, 192, 88-92.	20.2	12
47	Influence of doping location and width of dimethylquinacridone on the performance of organic light emitting devices. Journal Physics D: Applied Physics, 2005, 38, 392-396.	2.8	11
48	Thermal stability of piezoelectric properties and infrared sensor performance of spin-coated polyurea thin films. Applied Physics Express, 2015, 8, 101501.	2.4	11
49	Structural and electrical characterization of spin-coated polyurea thin films. Polymer, 2015, 79, 128-134.	3.8	11
50	Palmitoylated amino acids as low-molecular-weight gelators for ionic liquids. Colloid and Polymer Science, 2017, 295, 1109-1116.	2.1	10
51	Orientation Control of Molecular Chains in Polymers Using Atomic Force Microscopy. Japanese Journal of Applied Physics, 2004, 43, 4575-4579.	1.5	9
52	Polyurea spin-coated thin films: Pyro- and piezoelectric properties and application to infrared sensors. Japanese Journal of Applied Physics, 2015, 54, 04DK13.	1.5	9
53	Enhanced thermoelectric power of single-wall carbon nanotube film blended with ionic liquid. Japanese Journal of Applied Physics, 2016, 55, 03DC01.	1.5	9
54	Polarity tuning of single-walled carbon nanotube by dipole field of ferroelectric polymer for thermoelectric conversion. Applied Physics Express, 2016, 9, 081301.	2.4	9

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55	Unique Morphology and Optical Properties of Tris(8-hydroxyquinoline)aluminum Crystal Grown by Ionic Liquid-assisted Vacuum Vapor Deposition. Chemistry Letters, 2016, 45, 1156-1158.	1.3	8
56	Piezoelectric vibration energy harvesters with stretched and multistacked organic ferroelectric films. Japanese Journal of Applied Physics, 2017, 56, 04CL04.	1.5	8
57	Anomalous piezoelectric properties of poly(vinylidene fluorideâ€“trifluoroethylene)/ionic liquid gels. Japanese Journal of Applied Physics, 2018, 57, 04FL06.	1.5	8
58	Fabrication and characterization of elastomeric semiconductive thiophene polymers by peroxide crosslinking. Polymer Journal, 2019, 51, 257-263.	2.7	8
59	A DFT and direct MO dynamics study on the structures and electronic states of phenyl-capped terthiophene. Journal of Organometallic Chemistry, 2005, 690, 2895-2904.	1.8	7
60	Hydrogen production for photocatalytic decomposition of water with urea as a reducing agent. Catalysis Today, 2018, 307, 231-236.	4.4	7
61	Development of catheter-type tactile sensor composed of polyvinylidene fluoride (PVDF) film. ROBOMECH Journal, 2019, 6, .	1.6	7
62	Anomalous n-type conversion of thermoelectric polarity in ionic hydrogels using PEDOT:PSS electrodes. Journal of Materials Chemistry C, 2021, 9, 15813-15819.	5.5	7
63	Pillarlike Crystals of Pentacene Prepared from Soluble Precursor. Applied Physics Express, 2011, 4, 121603.	2.4	6
64	Fabrication and semiconducting properties of monodisperse n-type phthalocyanine nanograss. Thin Solid Films, 2013, 531, 513-518.	1.8	6
65	Vibration energy harvester with piezoelectric properties using polyurea thin films. Molecular Crystals and Liquid Crystals, 2017, 653, 188-193.	0.9	6
66	Photoinduced charge-carrier modulation of inkjet-printed carbon nanotubes via poly(vinyl acetate) doping and dedoping for thermoelectric generators. Chemical Physics Letters, 2018, 691, 219-223.	2.6	6
67	Thermoelectric thiophene dendrimers with large Seebeck coefficients. Molecular Systems Design and Engineering, 2020, 5, 809-814.	3.4	6
68	Piezoelectric Properties of Vinylidene Fluoride Oligomer for Use in Tactile Sensor. Journal of the Robotics Society of Japan, 2008, 26, 711-717.	0.1	6
69	Two-Dimensional Crystal Growth Process of n-Alkane Molecules Observed Using Scanning Tunneling Microscope. Japanese Journal of Applied Physics, 1995, 34, 3846-3851.	1.5	5
70	Optical Characteristics of Ultrathin Oligosilane Films Prepared by Molecular Beam Deposition Method. Japanese Journal of Applied Physics, 1998, 37, L953-L955.	1.5	5
71	Photovoltaic properties of organic solar cell with octafluorophthalocyanine as electron acceptors. Japanese Journal of Applied Physics, 2014, 53, 01AB04.	1.5	5
72	Ferroelectric and piezoelectric properties of poly(vinylidene fluorideâ€“trifluoroethylene) gels. Japanese Journal of Applied Physics, 2017, 56, 04CL03.	1.5	5

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73	High hardness and low dielectric constant thin films with oriented urea oligomers by physical vapor deposition. Journal of Materials Science, 2019, 54, 2483-2492.	3.7	4
74	Directly monitoring and power generation from pulsating 3D heart model with organic flexible piezoelectric device. Japanese Journal of Applied Physics, 2020, 59, SDDF02.	1.5	4
75	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. Polymer, 2021, 228, 123904.	3.8	4
76	Synthesis and nanorod growth of n-type phthalocyanine on ultrathin metal films by chemical vapor deposition. Japanese Journal of Applied Physics, 2016, 55, 03DD07.	1.5	4
77	Observation of molecular reorientations in vapor-deposited organic thin films during heat treatment by energy-dispersive total-reflection X-ray diffractometry. Thin Solid Films, 1994, 245, 44-49.	1.8	3
78	In-plane Observations of RF-sputtered LiNbO 3 Thin Films Using an Energy Dispersive Total-Reflection X-Ray Diffractometer*1. Japanese Journal of Applied Physics, 1996, 35, L1699-L1702.	1.5	3
79	Fabrication of Nanogap Electrodes Using Ultrathin Metal Film. Japanese Journal of Applied Physics, 2003, 42, 4173-4176.	1.5	3
80	Orientation Control of High-Density Polyethylene Molecular Chains Using Atomic Force Microscope. Japanese Journal of Applied Physics, 2004, 43, L1390-L1393.	1.5	3
81	Structural change of polydiacetylene Langmuir film during compression process. Thin Solid Films, 2009, 518, 819-823.	1.8	3
82	Current-voltage characteristics of organic photovoltaic cells following deposition of cathode electrode. Applied Physics Letters, 2010, 97, 193307.	3.3	3
83	Fabrication of One-Dimensionally Oriented Fluoreneâ€“Thiophene Copolymer Thin Films and Anisotropic Transistor Characteristics. Japanese Journal of Applied Physics, 2010, 49, 01AE13.	1.5	3
84	Electrorheological response of the interfacial layer between a liquid crystal and a polymer alignment sublayer. Thin Solid Films, 2014, 558, 227-230.	1.8	3
85	In-plane polarization switching of highly crystalline vinylidene fluoride oligomer thin films. Applied Physics Express, 2015, 8, 111601.	2.4	3
86	High path tracking control of an intelligent walking-support robot under time-varying friction and unknown parameters. Advanced Robotics, 2017, 31, 739-752.	1.8	3
87	In situ Monitoring of Vapor-phase Polymerization and Characterization of Poly(3,4-ethylenedioxythiophene) Thin Films. Sensors and Materials, 2018, 30, 2873.	0.5	3
88	Structural and Ferroelectric Characterization of Uniaxially Oriented Vinylidene Fluoride Oligomer Thin Films. Japanese Journal of Applied Physics, 2012, 51, 04DK05.	1.5	3
89	Structural properties of epitaxially grown perfluoron-alkanethin films prepared by vapor deposition. Applied Surface Science, 1996, 100-101, 116-119.	6.1	2
90	Measurement of the Piezoelectric Properties of Vinylidene Fluoride Oligomer Using Pneumatic Pressure for Tactile Sensors. Journal of Solid Mechanics and Materials Engineering, 2012, 6, 975-988.	0.5	2

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91	Nanorod growth of copper phthalocyanine on fluorinated phosphonic acid SAM-modified indium tin oxide substrate for organic photovoltaic devices. Molecular Crystals and Liquid Crystals, 2017, 653, 157-163.	0.9	2
92	Preparation of poly(3,4-ethylenedioxythiophene) by vapor-phase polymerization at the interface between 3,4-ethylenedioxythiophene vapor and oxidant melt. Molecular Crystals and Liquid Crystals, 2019, 688, 53-59.	0.9	2
93	Thermophysical properties of the parylene C dimer under vacuum. Japanese Journal of Applied Physics, 2020, 59, SDDA15.	1.5	2
94	Improving NIR sensor detectivity of BODIPY/C60 bulk heterojunction photodiode. Japanese Journal of Applied Physics, 2020, 59, SGGG04.	1.5	2
95	Novel GIX² Apparatus for Thin Film Analysis Using Color Laue Method. Advances in X-ray Analysis, 1995, 39, 171-180.	0.0	2
96	Multipoint detection of structural deformation of pulsating 3D heart model using flexible organic piezoelectric-sensor array. Japanese Journal of Applied Physics, 2022, 61, SE1014.	1.5	2
97	Decomposition of water over picene derivatives photocatalyst under visible light irradiation. Catalysis Today, 2022, , .	4.4	2
98	In Situ Observation of Oxidization Process at the Most Upper Surfaces by x-ray Surface Propagation Waves. Materials Research Society Symposia Proceedings, 1999, 591, 40.	0.1	1
99	In-plane Orientation of Fluorescent Molecules in Friction-transferred Films. Chemistry Letters, 2011, 40, 1288-1289.	1.3	1
100	Uniaxially aligned nucleation of vinylidene fluoride oligomer single-crystals on highly ordered ultrathin films of poly(vinylidene fluoride-trifluoroethylene) copolymer. Materials Letters, 2013, 105, 227-231.	2.6	1
101	Electrical properties of ferroelectric liquid crystals during thermal phase transition. Japanese Journal of Applied Physics, 2014, 53, 01AE07.	1.5	1
102	Improving the light-emitting properties of single-layered polyfluorene light-emitting devices by simple ionic liquid blending. Japanese Journal of Applied Physics, 2018, 57, 03EH02.	1.5	1
103	Surface modification and effects of organic ferroelectrics with blending hyperbranched polymer. Japanese Journal of Applied Physics, 2018, 57, 03EG02.	1.5	1
104	Thermodynamics and kinetics of polyoxyethylene alkyl ether evaporation from inkjet-printed carbon nanotube thin films by vacuum annealing. Flexible and Printed Electronics, 2018, 3, 025006.	2.7	1
105	Molecular origin of photostability for fluorene-based donorâ€“acceptor type photovoltaic polymers. Japanese Journal of Applied Physics, 2020, 59, SDDA11.	1.5	1
106	Improvement of thermal stability of an organic pyroelectric infrared sensor with Parylene C coating. Japanese Journal of Applied Physics, 2020, 59, SGGG05.	1.5	1
107	Characteristics of an infrared sensor formed with a few molecular layers of vinylidene fluoride oligomers with in situ poling during vacuum evaporation. Japanese Journal of Applied Physics, 2020, 59, SDDF01.	1.5	1
108	Energy Dispersive Grazing Incidence X-ray Diffraction Study on Organic Thin Films EpitaxiaHy Grown on Crystalline Substrate. Advances in X-ray Analysis, 1995, 39, 659-664.	0.0	1

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109	Heteroepitaxial Growth of Fluorinated Long Chain Molecule on CAF₂(111) AND Gold Coated KCL(001). Molecular Crystals and Liquid Crystals, 1997, 294, 43-46.	0.3	0
110	In-plane observations of LiNbO3 thin films by energy dispersive total-reflection x-ray diffractometer. Integrated Ferroelectrics, 1998, 20, 243-244.	0.7	0
111	Surface Electrical Measurements of Photo-catalysis on Rutile TiO2(11O). Materials Research Society Symposia Proceedings, 2002, 751, 1.	0.1	0
112	Development of Nonvolatile Memory using Well-Ordered Ferroelectric Linear Molecules. Materials Research Society Symposia Proceedings, 2004, 830, 189.	0.1	0
113	Structural and Ferroelectric Characterization of Uniaxially Oriented Vinylidene Fluoride Oligomer Thin Films. Japanese Journal of Applied Physics, 2012, 51, 04DK05.	1.5	0
114	Fundamental Study on Medical Tactile Sensor Composed of Organic Ferroelectrics. , 2012, , .		0
115	Cutting-Edge Research at the Membrane Center in Kobe University in Japan. Biotechnology and Biotechnological Equipment, 2013, 27, 3478-3484.	1.3	0
116	Electroluminescence from the Microphase-separated Structure of Blended Films with a Light-emitting Polymer and an Ionic Liquid. Chemistry Letters, 2016, 45, 259-261.	1.3	0
117	5.Organic Memory. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2010, 64, 1316-1319.	0.1	0
118	Energy Dispersive Grazing Incidence X-ray Diffraction Study on Organic Thin Films Epitaxially Grown on Crystalline Substrate. , 1997, , 659-664.		0
119	Novel Gix2 Apparatus for Thin Film Analysis Using Color Laue Method. , 1997, , 171-180.		0
120	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.	0.0	0
121	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.	0.0	0
122	Normal alkane evaporation under vacuum: chain-length dependency and distillation from binary systems. Japanese Journal of Applied Physics, 0, , .	1.5	0