

Takaaki Manaka

List of Publications by Year in descending order

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262
papers

3,659
citations

147801

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docs citations

265
times ranked

2092
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of 1,8-Diiodooctance additive on the charge carriers behavior in the PCPDTBT:PC71BM BHJ films investigated by using electric-field-induced optical second-harmonic generation measurement. Journal of Materials Science: Materials in Electronics, 2021, 32, 2845-2852.	2.2	1
2	Visualizing Positive and Negative Charges of Triboelectricity Generated on Polyimide Film. IEICE Transactions on Electronics, 2021, E104.C, 170-175.	0.6	2
3	Dipolar polarization as an energy source of tribo-electric power generator. Applied Physics Letters, 2021, 119, .	3.3	4
4	Algal Biophotovoltaic Devices: Surface Potential Studies. ACS Sustainable Chemistry and Engineering, 2020, 8, 10511-10520.	6.7	15
5	Role of Phase-Dependent Dielectric Properties of Alumina Nanoparticles in Electromagnetic-Assisted Enhanced Oil Recovery. Nanomaterials, 2020, 10, 1975.	4.1	6
6	Visualization of Carrier Transport in Luminescent Polymer Thin Film by Using Transient Photoluminescence Decay Imaging. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1901031.	1.8	0
7	Effect of nanoparticles concentration on electromagnetic-assisted oil recovery using ZnO nanofluids. PLoS ONE, 2020, 15, e0244738.	2.5	16
8	Study of I-V Hysteresis of Tin Perovskite Solar Cells Using Capacitance-Voltage Measurement Coupled with Charge Modulation Spectroscopy. Molecular Crystals and Liquid Crystals, 2019, 686, 92-98.	0.9	2
9	Transient carrier visualization of organic-inorganic hybrid perovskite thin films by using time-resolved microscopic second-harmonic generation (TRM-SHG). Organic Electronics, 2019, 75, 105416.	2.6	1
10	Probing Internal Electric Field in Organic Photoconductors by Using Electric-Field-Induced Optical Second-Harmonic Generation. IEICE Transactions on Electronics, 2019, E102.C, 113-118.	0.6	0
11	Imaging of triboelectric charge distribution induced in polyimide film by using optical second-harmonic generation: Electronic charge distribution and dipole alignment. Applied Physics Letters, 2019, 114, 233301.	3.3	5
12	Direct observation of carrier transport in organic-inorganic hybrid perovskite thin film by transient photoluminescence imaging measurement. Japanese Journal of Applied Physics, 2019, 58, SB8G18.	1.5	1
13	p- and n-Channel Photothermoelectric Conversion Based on Ultralong Near-Infrared Wavelengths Absorbing Polymers. ACS Applied Polymer Materials, 2019, 1, 542-551.	4.4	14
14	Visualization of Carrier Transport in Organic-Inorganic Perovskite Field-Effect Transistor by Electric-Field-Induced Optical Second-Harmonic Generation (EFISHG). , 2019, , .		0
15	Stability in 3D and 2D/3D hybrid perovskite solar cells studied by EFISHG and IS techniques under light and heat soaking. Organic Electronics, 2019, 66, 7-12.	2.6	18
16	Spectroscopic Study of Electric Field Induced Optical Second Harmonic Generation from PCPDTBT and PC ₇₁ BM Thin Films. IEICE Transactions on Electronics, 2019, E102.C, 119-124.	0.6	1
17	Modeling and analysis of I-V hysteresis behaviors caused by defects in tin perovskite thin films. Journal of Applied Physics, 2018, 124, .	2.5	6
18	Degradation analysis of AlGaIn/GaN high electron mobility transistor by electroluminescence, electric field-induced optical second-harmonic generation, and photoluminescence imaging. Applied Physics Letters, 2018, 113, .	3.3	4

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19	Determination of carrier mobility of semiconductor layer in organic metal-insulator-semiconductor diodes by displacement current and electric-field-induced optical second-harmonic generation measurements. <i>Organic Electronics</i> , 2017, 43, 70-76.	2.6	4
20	Direct observation of trapped charges under field-plate in p-GaN gate AlGaIn/GaN high electron mobility transistors by electric field-induced optical second-harmonic generation. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	10
21	Study of carrier energetics in ITO/P(VDF-TrFE)/pentacene/Au diode by using electric-field-induced optical second harmonic generation measurement and charge modulation spectroscopy. <i>Journal of Applied Physics</i> , 2017, 121, 065501.	2.5	7
22	Study of carrier-mobility of organic thin film by dark-injection time-of-flight and electric-field-induced optical second-harmonic generation measurements. <i>Chemical Physics Letters</i> , 2017, 677, 50-54.	2.6	1
23	Direct visualization of polarization reversal of organic ferroelectric memory transistor by using charge modulated reflectance imaging. <i>Journal of Applied Physics</i> , 2017, 122, 185501.	2.5	2
24	Direct evaluation of anisotropic carrier mobility in uniaxially aligned polymer semiconductor film by time-resolved microscopic optical second-harmonic generation measurement. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 015103.	2.8	1
25	A Novel Microscopic Analyzing System for Characterizing Organic Light-emitting Diodes Using EFISHG and LBIC Measurements. <i>Electronics and Communications in Japan</i> , 2017, 100, 76-83.	0.5	0
26	Mobility Control of TIPS-Pentacene Thin Films Prepared by Blade-Coating Method. <i>IEICE Transactions on Electronics</i> , 2017, E100.C, 130-132.	0.6	0
27	A Novel Microscopic Analyzing System for Characterizing Organic Light-emitting Diodes using EFISHG and LBIC Measurements. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2017, 137, 128-134.	0.2	0
28	Optical second-harmonic generation measurement for probing organic device operation. <i>Light: Science and Applications</i> , 2016, 5, e16040-e16040.	16.6	37
29	Observation of turnover of spontaneous polarization in ferroelectric layer of pentacene/poly-(vinylidene-trifluoroethylene) double-layer capacitor under photo illumination by optical second-harmonic generation measurement. <i>Journal of Applied Physics</i> , 2016, 119, 165502.	2.5	2
30	Three-dimensional current collapse imaging of AlGaIn/GaN high electron mobility transistors by electric field-induced optical second-harmonic generation. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	9
31	Evaluation of Thermal Stability of Organic Electro-Optic Device by Using Thermally Stimulated Current. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3378-3382.	0.9	3
32	Study of Electrical Conduction Mechanism of Organic Double-Layer Diode Using Electric Field Induced Optical Second Harmonic Generation Measurement. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3364-3367.	0.9	0
33	Organic double layer element driven by triboelectric nanogenerator: Study of carrier behavior by non-contact optical method. <i>Chemical Physics Letters</i> , 2016, 646, 64-68.	2.6	7
34	Carrier Transport Mechanism in Single Crystalline Organic Semiconductor Thin Film Elucidated by Visualized Carrier Motion. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3388-3393.	0.9	0
35	A Special Section on Recent Progress in Nano-Molecular Electronics. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3157-3158.	0.9	0
36	Influence of Pentacene Interface Layer in ITO/NPD/Alq3/Al Organic Light Emitting Diodes by Time-Resolved Electric-Field-Induced Optical Second-Harmonic Generation Measurement. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3188-3193.	0.9	1

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37	Preparation of Chiral Polydiacetylene Films by Using Three-Photon Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3394-3397.	0.9	1
38	A Novel Electric Field Induced Optical Second Harmonic Generation Technique for Visualizing Carrier-dynamics in Organic Electronics Materials. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2016, 136, 678-684.	0.2	2
39	Direct probing of contact electrification by using optical second harmonic generation technique. <i>Scientific Reports</i> , 2015, 5, 13019.	3.3	16
40	Analysis of current-voltage characteristics of Au/pentacene/fluorine polymer/indium zinc oxide diodes by electric-field-induced optical second-harmonic generation. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	5
41	Modeling and visualization of carrier motion in organic films by optical second harmonic generation and Maxwell-displacement current. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 373001.	2.8	16
42	Charge injection and accumulation in organic light-emitting diode with PEDOT:PSS anode. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	23
43	Impact of the interfacial traps on the charge accumulation in organic transistors. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 994-1002.	2.4	2
44	Probing and modeling of carrier motion in organic devices by electric-field-induced optical second-harmonic generation. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 100101.	1.5	14
45	Current collapse imaging of Schottky gate AlGaIn/GaN high electron mobility transistors by electric field-induced optical second-harmonic generation measurement. <i>Applied Physics Letters</i> , 2014, 104, 252112.	3.3	17
46	Investigation of carrier transit motion in PCDTBT by optical SHG technique. <i>Laser Physics</i> , 2014, 24, 105701.	1.2	3
47	Study of carrier transport in flexible organic field-effect transistors: Analysis of bending effect and microscopic observation using electric-field-induced optical second-harmonic generation. <i>Thin Solid Films</i> , 2014, 554, 166-169.	1.8	14
48	Study of carrier blocking property of poly-linanyl acetate thin layer by electric-field-induced optical second-harmonic generation measurement. <i>Chemical Physics Letters</i> , 2014, 593, 69-71.	2.6	5
49	Selective observation of photo-induced electric fields inside different material components in bulk-heterojunction organic solar cell. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	18
50	Visualizing polarization structure of lipid Langmuir monolayer by surface second-harmonic generation technique. <i>Thin Solid Films</i> , 2014, 554, 8-12.	1.8	2
51	Study of effect of inserted pentacene layer in ITO/P(VDF-TrFE)/ $\bar{\Gamma}$ -NPD/Au capacitor using electric-field-induced optical second-harmonic generation and displacement current. <i>Organic Electronics</i> , 2014, 15, 537-542.	2.6	5
52	Interfacial charging originated from the conductivity decrease of C60 layer in IZO/pentacene/C60/Al organic double-layer solar cells. <i>Organic Electronics</i> , 2014, 15, 162-168.	2.6	2
53	Thiol Modified Chitosan Self-Assembled Monolayer Platform for Nucleic Acid Biosensor. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 1201-1213.	2.9	8
54	Probing space charge effect on electroluminescence of indium tin oxide (ITO)/N,N'-di-[(1-naphthyl)-N,N'-diphenyl]-1,1'-biphenyl-4,4'-diamine ($\bar{\Gamma}$ -NPD)/tris(8-hydroxy-quinolinato)aluminum (III) (Alq3)/Al diodes by time-resolved electric-field-induced optical second-harmonic generation measurement. <i>Thin Solid Films</i> , 2014, 554, 110-113.	1.8	3

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55	Metal nanoparticles in organic field-effect transistor: Transition from charge trapping to conduction mechanism. <i>Thin Solid Films</i> , 2014, 554, 189-193.	1.8	2
56	Interfacial charging of copper phthalocyanine/C60 double-layer organic solar cells induced by photoillumination: Effect of photoconductivity change. <i>Thin Solid Films</i> , 2014, 554, 158-161.	1.8	4
57	Study of interface layer effect in organic solar cells by electric-field-induced optical second-harmonic generation measurement. <i>Thin Solid Films</i> , 2014, 554, 51-53.	1.8	6
58	Direct visualization and modeling of carrier distribution in organic light emitting transistor. <i>Thin Solid Films</i> , 2014, 554, 162-165.	1.8	2
59	Probing of Electric Field Distribution and Carrier Behavior in Double-Layer Organic Light-Emitting Diodes by a Novel Microscopic Electric-Field-Induced Optical Second-Harmonic Generation Measurement system. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 443-446.	0.2	3
60	A Novel Microscope for Visualizing Electric Fields in Organic Thin Film Devices Using Electric-Field-Induced Second-Harmonic Generation. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 04CK04.	1.5	7
61	Study of blocking effect of Cu-phthalocyanine layer in zinc oxide/pentacene/CuPc/C60/Al organic solar cells by electric field-induced optical second harmonic generation measurement. <i>Organic Electronics</i> , 2013, 14, 320-325.	2.6	24
62	Analyzing hysteresis behavior of capacitance-voltage characteristics of IZO/C60/pentacene/Au diodes with a hole-transport electron-blocking polyterpenol layer by electric-field-induced optical second-harmonic generation measurement. <i>Chemical Physics Letters</i> , 2013, 572, 150-153.	2.6	12
63	Analysis of carrier behavior in C60/P(VDF-TrFE) double-layer capacitor by using electric-field-induced optical second-harmonic generation measurement. <i>Journal of Applied Physics</i> , 2013, 114, 234504.	2.5	7
64	Direct Probing of Internal Electric-fields in Fullerene Diodes Using Electric-field-induced Second-harmonic Generation Measurement. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 578, 50-54.	0.9	2
65	Direct Observation of Anisotropic Carrier Transport in Organic Semiconductor by Time-Resolved Microscopic Optical Second-Harmonic Imaging. <i>Applied Physics Express</i> , 2013, 6, 101601.	2.4	17
66	Master equation model for Gaussian disordered organic field-effect transistors. <i>Journal of Applied Physics</i> , 2013, 114, 074502.	2.5	2
67	Investigation of Interfacial Charging Process of Pentacene/C60/BCP Triple-Layer Organic Solar Cells. <i>IEICE Transactions on Electronics</i> , 2013, E96.C, 358-361.	0.6	0
68	Electroluminescence Generated from ITO/±NPD/Alq3/Al Diodes by Applying A.C. Square Voltage. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 567, 187-192.	0.9	4
69	Analyzing Open-Voltage of Double-Layer Organic Solar Cells Using Optical Electric-Field-Induced Second-Harmonic Generation. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1390, 118.	0.1	1
70	Effect of an Upward and Downward Interface Dipole Langmuir-Blodgett Monolayer on Pentacene Organic Field-Effect Transistors: A Comparison Study. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 024102.	1.5	10
71	Channel Formation as an Interface Charging Process in a Pentacene Field Effect Transistor Investigated by Time-Resolved Second Harmonic Generation and Impedance Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 02BK08.	1.5	5
72	Probing interfacial charge accumulation in ITO/±NPD/Alq3/Al diodes under two electroluminescence operational modes by electric-field induced optical second-harmonic generation. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	28

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73	Direct probing of selective electron and hole accumulation processes along the channel of an ambipolar double-layer field-effect transistor by optical modulation spectroscopy. <i>Applied Physics Letters</i> , 2012, 100, 103301.	3.3	8
74	The Maxwell-Wagner model for charge transport in ambipolar organic field-effect transistors: The role of zero-potential position. <i>Applied Physics Letters</i> , 2012, 101, 243302.	3.3	11
75	Conservation of the injection and transit time ratio in organic field-effect transistors: A thermally accelerated aging study. <i>Journal of Applied Physics</i> , 2012, 111, 104505.	2.5	2
76	Probing a two-step channel formation process in injection-type pentacene field-effect transistors by time-resolved electric-field-induced optical second-harmonic generation measurement. <i>Organic Electronics</i> , 2012, 13, 2801-2806.	2.6	4
77	Electrochemical methods coupled with impedance measurement for energy gap study: correlation between the energy states and charge transport properties. <i>Synthetic Metals</i> , 2012, 162, 2236-2241.	3.9	3
78	Memory effect in organic transistor: Controllable shifts in threshold voltage. <i>Chemical Physics Letters</i> , 2012, 551, 105-110.	2.6	8
79	Vertical orientation with a narrow distribution of helical peptides immobilized on a quartz substrate by stereocomplex formation. <i>Soft Matter</i> , 2012, 8, 3387.	2.7	6
80	Analyzing photo-induced interfacial charging in IZO/pentacene/C60/bathocuproine/Al organic solar cells by electric-field-induced optical second-harmonic generation measurement. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	24
81	Multiple-trapping in pentacene field-effect transistors with a nanoparticles self-assembled monolayer. <i>AIP Advances</i> , 2012, 2, .	1.3	4
82	Analysis of Carrier Behaviors in Organic Field Effect Transistors. <i>Hyomen Kagaku</i> , 2012, 33, 75-80.	0.0	1
83	Mechanical strains modulate the carrier behaviors of organic field effect transistors. <i>Journal of Applied Physics</i> , 2012, 111, 054502.	2.5	1
84	Analyzing a two-step polarization process in a pentacene/poly(vinylidene fluoride - trifluoroethylene) double-layer device using Maxwell-Wagner model. <i>Journal of Applied Physics</i> , 2012, 111, 023706.	2.5	10
85	Electron-blocking hole-transport polyterpenol thin films. <i>Chemical Physics Letters</i> , 2012, 528, 26-28.	2.6	34
86	Effect of an Upward and Downward Interface Dipole Langmuir-Blodgett Monolayer on Pentacene Organic Field-Effect Transistors: A Comparison Study. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 024102.	1.5	4
87	Channel Formation as an Interface Charging Process in a Pentacene Field Effect Transistor Investigated by Time-Resolved Second Harmonic Generation and Impedance Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 02BK08.	1.5	24
88	Contact Resistance as an Origin of the Channel-Length-Dependent Threshold Voltage in Organic Field-Effect Transistors. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 100205.	1.5	14
89	Analyzing Two Electroluminescence Modes of ITO/ $\text{I}\pm$ -NPD/Alq ₃ /Al Devices by Using A.C. Square Voltages. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2012, 132, 1408-1412.	0.2	0
90	Modeling carrier transport and electric field evolution in Gaussian disordered organic field-effect transistors. <i>Journal of Applied Physics</i> , 2011, 109, 104512.	2.5	5

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91	Electrophoretic Fabrication of Chitosan-Zirconium-Oxide Nanobiocomposite Platform for Nucleic Acid Detection. <i>Biomacromolecules</i> , 2011, 12, 540-547.	5.4	62
92	Trapping effect of metal nanoparticle mono- and multilayer in the organic field-effect transistor. <i>Journal of Applied Physics</i> , 2011, 109, 064512.	2.5	12
93	Probing of Electric Field Distribution in ITO/PI/P3HT/Au Using Electric Field Induced Second Harmonic Generation. <i>IEICE Transactions on Electronics</i> , 2011, E94-C, 185-186.	0.6	1
94	Effect of Photogenerated Carriers on Ferroelectric Polarization Reversal. <i>Applied Physics Express</i> , 2011, 4, 121601.	2.4	6
95	Analyzing interfacial carrier charging in pentacene/C60 double-layer organic solar cells by optical electric field induced second-harmonic generation measurement. <i>Chemical Physics Letters</i> , 2011, 511, 491-495.	2.6	20
96	Probing electric field in double-layer electroluminescence diode by optical second harmonic generation. <i>Chemical Physics Letters</i> , 2011, 516, 254-256.	2.6	6
97	Transport limited interfacial carrier relaxation in a double-layer device investigated by time-resolved second harmonic generation and impedance spectroscopy. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	16
98	Bulk-trap modulated Maxwell-Wagner type interfacial carrier relaxation process in a fullerene/polyimide double-layer device investigated by time-resolved second harmonic generation. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	18
99	Analyzing photovoltaic effect of double-layer organic solar cells as a Maxwell-Wagner effect system by optical electric-field-induced second-harmonic generation measurement. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	24
100	Investigation of interfacial charging and discharging in double-layer pentacene-based metal-insulator-metal device with polyterpenol blocking layer using electric field induced second harmonic generation. <i>Chemical Physics Letters</i> , 2011, 503, 105-111.	2.6	34
101	Study of trap-filling effect on transient carrier transport in pentacene field effect transistors by time-resolved optical second harmonic generation. <i>Chemical Physics Letters</i> , 2011, 507, 195-198.	2.6	14
102	Maxwell-Wagner type interfacial relaxation process in a doublelayer device investigated by time and frequency domain approaches. <i>Physics Procedia</i> , 2011, 14, 46-51.	1.2	1
103	Direct Observation of Electron Transit in Ambipolar Polymer-Based Light-Emitting Transistor by Optical Second Harmonic Generation Measurement. <i>Physics Procedia</i> , 2011, 14, 226-230.	1.2	0
104	Function of Interfacial Dipole Monolayer in Organic Field Effect Transistors. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DK10.	1.5	8
105	Investigation of the Voltage Establishment and Relaxation Processes in a Double-Layer Device by Time-Resolved Optical Second-Harmonic Generation. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DK13.	1.5	7
106	Analysis of interface carrier accumulation and relaxation in pentacene/C60 double-layer organic solar cell by impedance spectroscopy and electric-field-induced optical second harmonic generation. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	23
107	Analyzing two electroluminescence modes of indium tin oxide/ $\text{I}\pm\text{NPD}/\text{Alq3}/\text{Al}$ diodes by using large alternating current square voltages. <i>Journal of Applied Physics</i> , 2011, 110, 103707.	2.5	12
108	Direct probing of the selective electron and hole accumulation at organic/organic interfaces in a triple-layer organic device by time-resolved optical second harmonic generation. <i>Applied Physics Letters</i> , 2011, 99, 083301.	3.3	14

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109	Observation of electron behavior in ambipolar polymer-based light-emitting transistor by optical second harmonic generation. Journal of Applied Physics, 2011, 110, 013715.	2.5	15
110	Analyzing carrier lifetime of double-layer organic solar cells by using optical electric-field-induced second-harmonic generation measurement. Applied Physics Letters, 2011, 98, .	3.3	44
111	Electroluminescence Enhanced from Electrode Interface in ITO/Tetracene/Al Diodes. Molecular Crystals and Liquid Crystals, 2011, 538, 112-117.	0.9	2
112	Study of relaxation process of dipalmitoyl phosphatidylcholine monolayers at air/water interface: Effect of electrostatic energy. Journal of Chemical Physics, 2011, 134, 154709.	3.0	11
113	Interaction of interfacial charge and ferroelectric polarization in a pentacene/poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42	3.3	33
114	Function of Interfacial Dipole Monolayer in Organic Field Effect Transistors. Japanese Journal of Applied Physics, 2011, 50, 04DK10.	1.5	2
115	Investigation of the Voltage Establishment and Relaxation Processes in a Double-Layer Device by Time-Resolved Optical Second-Harmonic Generation. Japanese Journal of Applied Physics, 2011, 50, 04DK13.	1.5	3
116	Probing of Maxwell-Wagner Type Interfacial Charging Process in Double-Layer Devices by Time-Resolved Second Harmonic Generation. IEICE Transactions on Electronics, 2011, E94-C, 141-145.	0.6	0
117	Study of Carrier Behavior in Pentacene in a Au/Pentacene/Ferroelectric Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42 Generation Measurement. Japanese Journal of Applied Physics, 2010, 49, 121601.	1.5	11
118	Molecular structure modulated properties of azobenzene-substituted polydiacetylene LB films: Chirality formation and thermal stability. Polymer, 2010, 51, 2229-2235.	3.8	13
119	Probing and modeling of carrier motion in organic devices by optical second harmonic generation. Thin Solid Films, 2010, 519, 961-963.	1.8	4
120	Effect of Traps on Carrier Injection and Transport in Organic Field-effect Transistor. IEEJ Transactions on Electrical and Electronic Engineering, 2010, 5, 391-394.	1.4	2
121	Probing of interfacial charging and discharging in double-layer devices with a polyimide blocking layer by time-resolved optical second harmonic generation. Journal of Applied Physics, 2010, 108, .	2.5	35
122	Probing and modeling of interfacial carrier motion in organic devices by optical second harmonic generation. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, C5F12-C5F16.	1.2	26
123	Influence of traps on transient electric field and mobility evaluation in organic field-effect transistors. Journal of Applied Physics, 2010, 107, 043712.	2.5	31
124	The Charge Transport in Organic Field-Effect Transistor as an Interface Charge Propagation: The Maxwell-Wagner Effect Model and Transmission Line Approximation. Japanese Journal of Applied Physics, 2010, 49, 071603.	1.5	46
125	Insight into the contact resistance problem by direct probing of the potential drop in organic field-effect transistors. Applied Physics Letters, 2010, 97, .	3.3	29
126	Effect of Trap Density on Carrier Propagation in Organic Field-Effect Transistors Investigated by Impedance Spectroscopy. Japanese Journal of Applied Physics, 2010, 49, 01AE14.	1.5	1

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127	Reduction of Hysteresis in Organic Field-Effect Transistor by Ferroelectric Gate Dielectric. Japanese Journal of Applied Physics, 2010, 49, 021601.	1.5	13
128	Analysis of Carrier Transients in Double-Layer Organic Light Emitting Diodes by Electric-Field-Induced Second-Harmonic Generation Measurement. Journal of Physical Chemistry C, 2010, 114, 15136-15140.	3.1	46
129	Analysis of Organic Light-Emitting Diode As a Maxwell-Wagner Effect Element by Time-Resolved Optical Second Harmonic Generation Measurement. Journal of Physical Chemistry Letters, 2010, 1, 803-807.	4.6	55
130	Carrier injection from polypyrrole coated gold electrode in pentacene field effect transistors. Synthetic Metals, 2010, 160, 2116-2120.	3.9	9
131	Modeling of threshold voltage in pentacene organic field-effect transistors. Journal of Applied Physics, 2010, 107, .	2.5	48
132	Chiroptical switch based on azobenzene-substituted polydiacetylene LB films under thermal and photic stimuli. Journal of Materials Chemistry, 2010, 20, 285-291.	6.7	56
133	Morphological Evidence of Chirality in Poly (diacetylene) Film Prepared Using Circularly Polarized Light. International Journal of the Society of Materials Engineering for Resources, 2010, 17, 193-196.	0.1	0
134	Dipolar electrostatic energy effect on relaxation process of monolayers at air-water interface: Analysis of thermodynamics and kinetics. Journal of Chemical Physics, 2009, 131, 244709.	3.0	6
135	Displacement current analysis of carrier behavior in pentacene field effect transistor with poly(vinylidene fluoride and tetrafluoroethylene) gate insulator. Journal of Applied Physics, 2009, 106, 024505.	2.5	16
136	Probing Electric Field Distribution in Underlayer of an Organic Double-Layer System by Optical Second-Harmonic Generation Measurement. Japanese Journal of Applied Physics, 2009, 48, 021504.	1.5	15
137	Effect of external electrostatic charge on condensed phase domains at the air-water interface: Experiment and shape equation analysis. Journal of Chemical Physics, 2009, 130, 104706.	3.0	12
138	Study of phase transition of two-dimensional ferroelectric copolymer P(VDF-TrFE) Langmuir monolayer by Maxwell displacement current and Brewster angle microscopy. Journal of Chemical Physics, 2009, 131, .	3.0	18
139	Analysis of Pentacene Field-Effect Transistor with a Ferroelectric P(VDF-TeFE) Gate Insulator as an Element of Maxwell-Wagner Effect System. Japanese Journal of Applied Physics, 2009, 48, 021501.	1.5	7
140	Preparation and atomic force microscopy observation of lipid membranes on micro-patterned self-assembled monolayers. Thin Solid Films, 2009, 517, 3227-3229.	1.8	1
141	Space charge field effect on light emitting from tetracene field-effect transistor under AC electric field. Thin Solid Films, 2009, 518, 583-587.	1.8	15
142	Carrier injection and transport in organic field-effect transistor investigated by impedance spectroscopy. Thin Solid Films, 2009, 518, 448-451.	1.8	19
143	Transient charge accumulation in pentacene field effect transistor with silver electrode. Thin Solid Films, 2009, 518, 485-488.	1.8	2
144	Solid polymerization and supramolecular chirality formation of azobenzene substituted diacetylene Langmuir-Blodgett films. Thin Solid Films, 2009, 518, 750-753.	1.8	2

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145	Thermionic emission model for contact resistance in organic field-effect transistor. <i>Thin Solid Films</i> , 2009, 518, 795-798.	1.8	24
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