

# Mitsumasa Iwamoto

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

385  
papers

4,982  
citations

36  
h-index

54  
g-index

400  
ext. papers

5,331  
ext. citations

2.6  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
385	Visualizing Positive and Negative Charges of Triboelectricity Generated on Polyimide Film. <i>IEICE Transactions on Electronics</i> , <b>2021</b> , E104.C, 170-175	0.4	1
384	Maxwell Displacement Current and Optical Second-Harmonic Generation in Organic Materials <b>2021</b> ,		2
383	Second Harmonic Generation Spectroscopy <b>2021</b> , 225-244		
382	Dipolar polarization as an energy source of tribo-electric power generator. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 053302	3.4	0
381	Algal Biophotovoltaic Devices: Surface Potential Studies. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 10511-10520	8.3	6
380	Recent progress in the development of portable high voltage source based on triboelectric nanogenerator. <i>Smart Materials in Medicine</i> , <b>2020</b> , 1, 66-76	12.9	3
379	Probing Internal Electric Field in Organic Photoconductors by Using Electric-Field-Induced Optical Second-Harmonic Generation. <i>IEICE Transactions on Electronics</i> , <b>2019</b> , E102.C, 113-118	0.4	
378	Imaging of triboelectric charge distribution induced in polyimide film by using optical second-harmonic generation: Electronic charge distribution and dipole alignment. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 233301	3.4	3
377	Study of I-V Hysteresis of Tin Perovskite Solar Cells Using Capacitance-Voltage Measurement Coupled with Charge Modulation Spectroscopy. <i>Molecular Crystals and Liquid Crystals</i> , <b>2019</b> , 686, 92-98	0.5	2
376	Avalanche charge generation in anhydrous glucosides excited by an external electric field. <i>AIP Advances</i> , <b>2019</b> , 9, 125015	1.5	
375	Irradiation effects on electrical properties of DNA solution/Al Schottky diodes. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	3
374	Electronic Properties of Synthetic Shrimp Pathogens-derived DNA Schottky Diodes. <i>Scientific Reports</i> , <b>2018</b> , 8, 896	4.9	16
373	Fundamentals of bulk heterojunction organic solar cells: An overview of stability/degradation issues and strategies for improvement. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 84, 43-53	16.2	121
372	Motion behavior of water droplets driven by triboelectric nanogenerator. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 183701	3.4	13
371	Research trend in thermally stimulated current method for development of materials and devices in Japan. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 03EA04	1.4	4
370	Mathematical modelling of degradation phenomena in organic solar cells under various fabrication conditions. <i>Organic Electronics</i> , <b>2018</b> , 58, 46-52	3.5	5
369	Electronic profiling of algae-derived DNA using DNA-specific Schottky diode. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	7

368	Degradation analysis of AlGaIn/GaN high electron mobility transistor by electroluminescence, electric field-induced optical second-harmonic generation, and photoluminescence imaging. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 012106	3.4	3
367	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> , <b>2017</b> , 43, 70-76	3.5	3
366	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> , <b>2017</b> , 110, 092101	3.4	5
365	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> , <b>2017</b> , 121, 065501	2.5	7
364	Direct visualization of polarization reversal of organic ferroelectric memory transistor by using charge modulated reflectance imaging. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 185501	2.5	2
363	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> , <b>2017</b> , 50, 015103	3	1
362	Resistive switching in graphene-organic device: Charge transport properties of graphene-organic device through electric field induced optical second harmonic generation and charge modulation spectroscopy. <i>Carbon</i> , <b>2017</b> , 112, 111-116	10.4	25
361	A Novel Microscopic Analyzing System for Characterizing Organic Light-Emitting Diodes Using EFISHG and LBIC Measurements. <i>Electronics and Communications in Japan</i> , <b>2017</b> , 100, 76-83	0.4	
360	Mobility Control of TIPS-Pentacene Thin Films Prepared by Blade-Coating Method. <i>IEICE Transactions on Electronics</i> , <b>2017</b> , E100.C, 130-132	0.4	
359	A Novel Microscopic Analyzing System for Characterizing Organic Light-emitting Diodes using EFISHG and LBIC Measurements. <i>IEEJ Transactions on Fundamentals and Materials</i> , <b>2017</b> , 137, 128-134	0.2	
358	Protolytic decomposition of n-octane on graphite at near room temperature. <i>Scientific Reports</i> , <b>2016</b> , 6, 28493	4.9	4
357	Analysis of interfacial energy states in Au/pentacene/polyimide/indium zinc-oxide diodes by electroluminescence spectroscopy and electric-field-induced optical second-harmonic generation measurement. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 03DC04	1.4	1
356	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> , <b>2016</b> , 136, 678-684	0.2	2
355	Interchange with Asian Countries under Studies of Organic Dielectric- and Functional-materials for Development to the Next-generation Electronics. <i>IEEJ Transactions on Fundamentals and Materials</i> , <b>2016</b> , 136, 663-670	0.2	
354	Optical second-harmonic generation measurement for probing organic device operation. <i>Light: Science and Applications</i> , <b>2016</b> , 5, e16040	16.7	27
353	Measuring the Electronic Properties of DNA-Specific Schottky Diodes Towards Detecting and Identifying Basidiomycetes DNA. <i>Scientific Reports</i> , <b>2016</b> , 6, 29879	4.9	22
352	Organic double layer element driven by triboelectric nanogenerator: Study of carrier behavior by non-contact optical method. <i>Chemical Physics Letters</i> , <b>2016</b> , 646, 64-68	2.5	4
351	Texture transformation in circular domain of polar smectic films: Chiral elasticity induced by coupling of flexoelectric and spontaneous polarizations. <i>Chemical Physics Letters</i> , <b>2015</b> , 628, 96-100	2.5	

350	Catalyst-Free Plasma Enhanced Growth of Graphene from Sustainable Sources. <i>Nano Letters</i> , <b>2015</b> , 15, 5702-8	11.5	101
349	Direct probing of contact electrification by using optical second harmonic generation technique. <i>Scientific Reports</i> , <b>2015</b> , 5, 13019	4.9	15
348	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> , <b>2015</b> , 117, 245502	2.5	5
347	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> , <b>2015</b> , 48, 373001	3	13
346	Self-Powered Trace Memorization by Conjunction of Contact-Electrification and Ferroelectricity. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 739-747	15.6	59
345	Analysis of Carrier Behaviors in Double-layer Organic Devices by Displacement Current Measurement and Electric-field-induced Optical Second-harmonic Generation Measurement. <i>IEICE Transactions on Electronics</i> , <b>2015</b> , E98.C, 86-90	0.4	3
344	Visualizing polarization structure of lipid Langmuir monolayer by surface second-harmonic generation technique. <i>Thin Solid Films</i> , <b>2014</b> , 554, 8-12	2.2	2
343	Study of effect of inserted pentacene layer in ITO/P(VDF-TrFE)/NPDP/Au capacitor using electric-field-induced optical second-harmonic generation and displacement current. <i>Organic Electronics</i> , <b>2014</b> , 15, 537-542	3.5	5
342	Interfacial charging originated from the conductivity decrease of C60 layer in IZO/pentacene/C60/Al organic double-layer solar cells. <i>Organic Electronics</i> , <b>2014</b> , 15, 162-168	3.5	2
341	Energetic alignment in nontoxic SnS quantum dot-sensitized solar cell employing spiro-OMeTAD as the solid-state electrolyte. <i>Science and Technology of Advanced Materials</i> , <b>2014</b> , 15, 035006	7.1	36
340	Metal nanoparticles in organic field-effect transistor: Transition from charge trapping to conduction mechanism. <i>Thin Solid Films</i> , <b>2014</b> , 554, 189-193	2.2	2
339	Interfacial charging of copper phthalocyanine/C60 double-layer organic solar cells induced by photoillumination: Effect of photoconductivity change. <i>Thin Solid Films</i> , <b>2014</b> , 554, 158-161	2.2	4
338	Study of interface layer effect in organic solar cells by electric-field-induced optical second-harmonic generation measurement. <i>Thin Solid Films</i> , <b>2014</b> , 554, 51-53	2.2	6
337	Study of multiple photovoltaic processes in stacked organic active layers. <i>Organic Electronics</i> , <b>2014</b> , 15, 2014-2020	3.5	6
336	Direct visualization and modeling of carrier distribution in organic light emitting transistor. <i>Thin Solid Films</i> , <b>2014</b> , 554, 162-165	2.2	2
335	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> , <b>2014</b> , 39, 443-446	0.2	3
334	Impact of the interfacial traps on the charge accumulation in organic transistors. <i>Journal of Experimental Nanoscience</i> , <b>2014</b> , 9, 994-1002	1.9	1
333	Probing and modeling of carrier motion in organic devices by electric-field-induced optical second-harmonic generation. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 100101	1.4	11

332	Investigation of carrier transit motion in PCDTBT by optical SHG technique. <i>Laser Physics</i> , <b>2014</b> , 24, 10570-1	0.1	3
331	Analysis of carrier transport and carrier trapping in organic diodes with polyimide-6,13-Bis(triisopropylsilylethynyl)pentacene double-layer by charge modulation spectroscopy and optical second harmonic generation measurement. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 073301	3.4	12
330	Detection of pre-electrical breakdown of IZO/BNPD/Alq3/Al light-emitting diodes by electric-field-induced optical second-harmonic generation measurement. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 04EK02	1.4	3
329	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> , <b>2014</b> , 554, 166-169	2.2	11
328	Study of carrier blocking property of poly-linyl acetate thin layer by electric-field-induced optical second-harmonic generation measurement. <i>Chemical Physics Letters</i> , <b>2014</b> , 593, 69-71	2.5	5
327	Selective observation of photo-induced electric fields inside different material components in bulk-heterojunction organic solar cell. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 013306	3.4	17
326	Investigation of the chiroptical behavior of optically active polyaniline synthesized from naturally occurring amino acids. <i>Polymer Journal</i> , <b>2013</b> , 45, 160-165	2.7	7
325	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> , <b>2013</b> , 52, 04CK04	1.4	7
324	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> , <b>2013</b> , 14, 320-325	3.5	22
323	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> , <b>2013</b> , 572, 150-153	2.5	12
322	Field-induced dependence of rotational diffusion processes in smectic films deposited on a solid surface. <i>Chemical Physics Letters</i> , <b>2013</b> , 566, 32-37	2.5	1
321	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> , <b>2013</b> , 114, 234504	2.5	6
320	Coupling between Transport and Injection Properties of Pentacene Field-Effect Transistors with Different Morphologies. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 080203	1.4	
319	Direct Probing of Internal Electric-fields in Fullerene Diodes Using Electric-field-induced Second-harmonic Generation Measurement. <i>Molecular Crystals and Liquid Crystals</i> , <b>2013</b> , 578, 50-54	0.5	2
318	Direct Observation of Anisotropic Carrier Transport in Organic Semiconductor by Time-Resolved Microscopic Optical Second-Harmonic Imaging. <i>Applied Physics Express</i> , <b>2013</b> , 6, 101601	2.4	16
317	Master equation model for Gaussian disordered organic field-effect transistors. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 074502	2.5	2
316	Investigation of Interfacial Charging Process of Pentacene/C60/BCP Triple-Layer Organic Solar Cells. <i>IEICE Transactions on Electronics</i> , <b>2013</b> , E96.C, 358-361	0.4	
315	Electron-blocking hole-transport polyterpenol thin films. <i>Chemical Physics Letters</i> , <b>2012</b> , 528, 26-28	2.5	31

314	Field-induced dependence of anchoring energy and surface tension in smectic liquid crystal films deposited on a solid surface. <i>Chemical Physics Letters</i> , <b>2012</b> , 534, 23-28	2.5	4
313	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> , <b>2012</b> , 13, 2801-2806	3.5	4
312	Electrochemical methods coupled with impedance measurement for energy gap study: correlation between the energy states and charge transport properties. <i>Synthetic Metals</i> , <b>2012</b> , 162, 2236-2241	3.6	2
311	Memory effect in organic transistor: Controllable shifts in threshold voltage. <i>Chemical Physics Letters</i> , <b>2012</b> , 551, 105-110	2.5	8
310	Vertical orientation with a narrow distribution of helical peptides immobilized on a quartz substrate by stereocomplex formation. <i>Soft Matter</i> , <b>2012</b> , 8, 3387	3.6	6
309	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> , <b>2012</b> , 111, 113711	2.5	20
308	Probing carrier behavior in organic semiconductor device by electric field induced optical second harmonic generation measurement. <i>Organic Electronics</i> , <b>2012</b> , 13, 2489-2493	3.5	8
307	Multiple-trapping in pentacene field-effect transistors with a nanoparticles self-assembled monolayer. <i>AIP Advances</i> , <b>2012</b> , 2, 022128	1.5	4
306	Analysis of Carrier Behaviors in Organic Field Effect Transistors. <i>Hyomen Kagaku</i> , <b>2012</b> , 33, 75-80		1
305	Mechanical strains modulate the carrier behaviors of organic field effect transistors. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 054502	2.5	1
304	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> , <b>2012</b> , 111, 023706	2.5	10
303	Probing electric field distribution in organic double-layer diode by electric field induced optical second harmonic generation. <i>Current Applied Physics</i> , <b>2012</b> , 12, 1023-1026	2.6	2
302	Electroluminescence Generated from ITO/BNPD/Alq3/Al Diodes by Applying A.C. Square Voltage. <i>Molecular Crystals and Liquid Crystals</i> , <b>2012</b> , 567, 187-192	0.5	4
301	Analyzing Open-Voltage of Double-Layer Organic Solar Cells Using Optical Electric-Field-Induced Second-Harmonic Generation. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1390, 118		1
300	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> , <b>2012</b> , 51, 02BK08	1.4	5
299	Probing interfacial charge accumulation in ITO/BNPD/Alq3/Al diodes under two electroluminescence operational modes by electric-field induced optical second-harmonic generation. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 083723	2.5	25
298	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> , <b>2012</b> , 100, 103301	3.4	8
297	The Maxwell-Wagner model for charge transport in ambipolar organic field-effect transistors: The role of zero-potential position. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 243302	3.4	9

296	Conservation of the injection and transit time ratio in organic field-effect transistors: A thermally accelerated aging study. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 104505	2.5	2
295	Analysis of Anomalous Discharging Processes in Pentacene/C60 Double-Layer Organic Solar Cell. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 02BK01	1.4	4
294	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> , <b>2012</b> , 51, 02BK08	1.4	23
293	Analyzing Two Electroluminescence Modes of ITO/BNPD/Alq3/Al Devices by Using A.C. Square Voltages. <i>IEEJ Transactions on Electronics, Information and Systems</i> , <b>2012</b> , 132, 1408-1412	0.1	
292	Dielectric Physics Approach for Improvement of Organic-Field Effect Transistors Performance. <i>Green Energy and Technology</i> , <b>2011</b> , 843-871	0.6	
291	Probing of Electric Field Distribution in ITO/PI/P3HT/Au Using Electric Field Induced Second Harmonic Generation. <i>IEICE Transactions on Electronics</i> , <b>2011</b> , E94-C, 185-186	0.4	1
290	Direct Probing of Photovoltaic Effect Generated in Double-Layer Organic Solar Cell by Electric-Field-Induced Optical Second-Harmonic Generation. <i>Applied Physics Express</i> , <b>2011</b> , 4, 021602	2.4	41
289	Polarization-dependence of optical second harmonic generation for chiral cylindrical structure and explanation for nonlinear optical imaging of cholesteric liquid crystals. <i>Chemical Physics Letters</i> , <b>2011</b> , 511, 455-460	2.5	4
288	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> , <b>2011</b> , 511, 491-495	2.5	20
287	Probing charging effects induced in ITO/polyimide/6,13-Bis(triisopropylsilylethynyl)-pentacene/Au diodes by time-resolved optical second harmonic generation measurement. <i>Chemical Physics Letters</i> , <b>2011</b> , 515, 306-309	2.5	10
286	Probing electric field in double-layer electroluminescence diode by optical second harmonic generation. <i>Chemical Physics Letters</i> , <b>2011</b> , 516, 254-256	2.5	6
285	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> , <b>2011</b> , 98, 092109	3.4	16
284	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> , <b>2011</b> , 110, 033715	2.5	17
283	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> , <b>2011</b> , 110, 103717	2.5	24
282	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> , <b>2011</b> , 503, 105-111	2.5	32
281	Modeling carrier transport and electric field evolution in Gaussian disordered organic field-effect transistors. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 104512	2.5	5
280	Effective anchoring energy of an organic liquid crystal film on a solid surface. <i>Chemical Physics Letters</i> , <b>2011</b> , 502, 202-206	2.5	1
279	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> , <b>2011</b> , 507, 195-198	2.5	13

278	Maxwell-Wagner type interfacial relaxation process in a doublelayer device investigated by time and frequency domain approaches. <i>Physics Procedia</i> , <b>2011</b> , 14, 46-51		1
277	Effect of organic gate dielectric material properties on interfacial charging and discharging of pentacene MIM device. <i>Physics Procedia</i> , <b>2011</b> , 14, 62-66		1
276	Determination of Lifetime of Double-Layer CuPc/C60 Organic Solar Cells by Optical Electric-Field-Induced Second-Harmonic Generation Measurement. <i>Physics Procedia</i> , <b>2011</b> , 14, 167-171		
275	Direct Observation of Electron Transit in Ambipolar Polymer-Based Light-Emitting Transistor by Optical Second Harmonic Generation Measurement. <i>Physics Procedia</i> , <b>2011</b> , 14, 226-230		
274	Direct imaging of conductivity in pentacene field-effect transistors by a near-field scanning microwave microprobe. <i>Organic Electronics</i> , <b>2011</b> , 12, 263-268	3.5	5
273	Carrier Propagation Dependence on Applied Potentials in OFET Investigated by Impedance Spectroscopy. <i>Physics Procedia</i> , <b>2011</b> , 14, 187-191		
272	Function of Interfacial Dipole Monolayer in Organic Field Effect Transistors. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 04DK10	1.4	6
271	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> , <b>2011</b> , 50, 04DK13	1.4	7
270	Direct Observation of Carrier Behavior Leading to Electroluminescence in Tetracene Field-Effect Transistor. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 04DK14	1.4	1
269	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> , <b>2011</b> , 110, 074509	2.5	22
268	Analyzing two electroluminescence modes of indium tin oxide/BNPD/Alq3/Al diodes by using large alternating current square voltages. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 103707	2.5	12
267	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> , <b>2011</b> , 99, 083301	3.4	14
266	Observation of electron behavior in ambipolar polymer-based light-emitting transistor by optical second harmonic generation. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 013715	2.5	13
265	Direct observation of space charge field in tetracene field-effect transistor using time-resolved microscopic optical second harmonic generation. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 054506	2.5	12
264	Analyzing carrier lifetime of double-layer organic solar cells by using optical electric-field-induced second-harmonic generation measurement. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 133507	3.4	41
263	Electroluminescence Enhanced from Electrode Interface in ITO/Tetracene/Al Diodes. <i>Molecular Crystals and Liquid Crystals</i> , <b>2011</b> , 538, 112-117	0.5	2
262	Interaction of interfacial charge and ferroelectric polarization in a pentacene/poly(vinylidene fluoride-trifluoroethylene) double-layer device. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 063302	3.4	28
261	Function of Interfacial Dipole Monolayer in Organic Field Effect Transistors. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 04DK10	1.4	1



260	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> , <b>2011</b> , 50, 04DK13	1.4	3
259	Observation of Continuous and Quantized Domain Size and Shape Evolution in Monolayers at Air/Water Interface. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 051601	1.4	2
258	Probing of Maxwell-Wagner Type Interfacial Charging Process in Double-Layer Devices by Time-Resolved Second Harmonic Generation. <i>IEICE Transactions on Electronics</i> , <b>2011</b> , E94-C, 141-145	0.4	
257	Direct Observation of Carrier Behavior Leading to Electroluminescence in Tetracene Field-Effect Transistor. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 04DK14	1.4	2
256	Charge modulated reflectance topography for probing in-plane carrier distribution in pentacene field-effect transistors. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 113302	3.4	30
255	Probing of interfacial charging and discharging in double-layer devices with a polyimide blocking layer by time-resolved optical second harmonic generation. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 093707	2.5	33
254	Probing and modeling of interfacial carrier motion in organic devices by optical second harmonic generation. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2010</b> , 28, C5F12-C5F16	1.3	24
253	Influence of traps on transient electric field and mobility evaluation in organic field-effect transistors. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 043712	2.5	28
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244	Carrier injection from polypyrrole coated gold electrode in pentacene field effect transistors. <i>Synthetic Metals</i> , <b>2010</b> , 160, 2116-2120	3.6	8
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235	Probing Electric Field Distribution in Underlayer of an Organic Double-Layer System by Optical Second-Harmonic Generation Measurement. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 021504	1.4	12
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