

Mitsumasa Iwamoto

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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	Direct imaging of carrier motion in organic transistors by optical second-harmonic generation. <i>Nature Photonics</i> , 2007 , 1, 581-584	33.9	201
384	Analysis of pentacene field effect transistor as a Maxwell-Wagner effect element. <i>Journal of Applied Physics</i> , 2006 , 100, 114515	2.5	176
383	PREPARATION OF MONO- AND MULTILAYER FILMS OF AROMATIC POLYIMIDES USING LANGMUIR-BLODGETT TECHNIQUE. <i>Chemistry Letters</i> , 1986 , 15, 823-826	1.7	125
382	Fundamentals of bulk heterojunction organic solar cells: An overview of stability/degradation issues and strategies for improvement. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 84, 43-53	16.2	121
381	Generation of Maxwell displacement current across an azobenzene monolayer by photoisomerization. <i>Nature</i> , 1991 , 353, 645-647	50.4	119
380	Catalyst-Free Plasma Enhanced Growth of Graphene from Sustainable Sources. <i>Nano Letters</i> , 2015 , 15, 5702-8	11.5	101
379	Probing of the electric field distribution in organic field effect transistor channel by microscopic second-harmonic generation. <i>Applied Physics Letters</i> , 2006 , 89, 072113	3.4	86
378	Electronic density of state in metal/polyimide Langmuir-Blodgett film interface and its temperature dependence. <i>Journal of Applied Physics</i> , 1997 , 81, 1790-1797	2.5	79
377	Investigations of the dynamic behavior of fatty acid monolayers at the air-water interface using a displacement current-measuring technique coupled with the Langmuir-film technique. <i>Journal of Chemical Physics</i> , 1991 , 94, 5135-5142	3.9	79
376	Maxwell-Wagner Model Analysis for the Capacitance-Voltage Characteristics of Pentacene Field Effect Transistor. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 3712-3716	1.4	74
375	Spatial distribution of charges in ultrathin polyimide Langmuir-Blodgett films. <i>Journal of Applied Physics</i> , 1994 , 75, 1607-1610	2.5	67
374	Probing of carrier behavior in organic electroluminescent diode using electric field induced optical second-harmonic generation measurement. <i>Applied Physics Letters</i> , 2009 , 95, 263310	3.4	63
373	Self-Powered Trace Memorization by Conjunction of Contact-Electrification and Ferroelectricity. <i>Advanced Functional Materials</i> , 2015 , 25, 739-747	15.6	59
372	Phase transition of molecular orientation at the liquid-air interface. <i>Physical Review E</i> , 1994 , 50, 614-617	2.4	59
371	Diffusionlike electric-field migration in the channel of organic field-effect transistors. <i>Physical Review B</i> , 2008 , 78,	3.3	58
370	Modulation in optical second harmonic generation signal from channel of pentacene field effect transistors during device operation. <i>Applied Physics Letters</i> , 2005 , 87, 222107	3.4	56
369	Origin of electric field distribution in organic field-effect transistor: Experiment and analysis. <i>Journal of Applied Physics</i> , 2009 , 105, 024505	2.5	54

368	Chiroptical switch based on azobenzene-substituted polydiacetylene LB films under thermal and photic stimuli. <i>Journal of Materials Chemistry</i> , 2010 , 20, 285-291		52
367	Calculation of the dielectric constant of monolayer films on a material surface. <i>Physical Review B</i> , 1996 , 54, 8186-8190	3.3	50
366	Determination of the Dipole Moment of a Monolayer at the Air/Water Interface Using a Current-Measuring Technique. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, 721-725	1.4	50
365	Analysis of Organic Light-Emitting Diode As a Maxwell-Wagner Effect Element by Time-Resolved Optical Second Harmonic Generation Measurement. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 803-807	6.4	49
364	Control and modulation of chirality for azobenzene-substituted polydiacetylene LB films with circularly polarized light. <i>Chemical Communications</i> , 2009 , 5627-9	5.8	47
363	Control of the nano electrostatic phenomena at a pentacene/metal interface for improvement of the organic FET devices. <i>Thin Solid Films</i> , 2006 , 499, 386-391	2.2	46
362	Current-Voltage Characteristics of Pentacene Films: Effect of UV/Ozone Treatment on Au Electrodes. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 561-565	1.4	45
361	Analysis of Carrier Transients in Double-Layer Organic Light Emitting Diodes by Electric-Field-Induced Second-Harmonic Generation Measurement. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15136-15140	3.8	43
360	Surface potential of phthalocyanine Langmuir-Blodgett films on metal electrodes. <i>Journal of Applied Physics</i> , 1998 , 83, 372-376	2.5	43
359	Orientalional order study of monolayers at the air/water interface by Maxwell-displacement current and optical second harmonic generation. <i>Journal of Chemical Physics</i> , 2001 , 115, 9010-9017	3.9	43
358	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> , 2011 , 4, 021602	2.4	41
357	Modeling of threshold voltage in pentacene organic field-effect transistors. <i>Journal of Applied Physics</i> , 2010 , 107, 124506	2.5	41
356	Analyzing carrier lifetime of double-layer organic solar cells by using optical electric-field-induced second-harmonic generation measurement. <i>Applied Physics Letters</i> , 2011 , 98, 133507	3.4	41
355	Shape deformation and circle instability in two-dimensional lipid domains by dipolar force: a shape- and size-dependent line tension model. <i>Physical Review Letters</i> , 2004 , 93, 206101	7.4	41
354	A new displacement current measuring system coupled with the Langmuir-film technique. <i>Review of Scientific Instruments</i> , 1991 , 62, 2228-2233	1.7	41
353	Analysis of Transient Currents in Organic Field Effect Transistor: The Time-of-Flight Method. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18459-18461	3.8	40
352	The Charge Transport in Organic Field-Effect Transistor as an Interface Charge Propagation: The Maxwell-Wagner Effect Model and Transmission Line Approximation. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 071603	1.4	37
351	Large surface potential of Alq3 film and its decay. <i>Journal of Applied Physics</i> , 2005 , 97, 023703	2.5	37

350	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> , 2014 , 15, 035006	7.1	36
349	Studying Transient Carrier Behaviors in Pentacene Field Effect Transistors Using Visualized Electric Field Migration. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10279-10284	3.8	35
348	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> , 2010 , 108, 093707-5	7.5	33
347	Preparation of Chiral Polydiacetylene Film from Achiral Monomers Using Circularly Polarized Light. <i>Chemistry Letters</i> , 2006 , 35, 1028-1029	1.7	33
346	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	2.5	32
345	Second-order susceptibility tensor of a monolayer at the liquid-air interface: SHG spectroscopy by compression. <i>Chemical Physics Letters</i> , 2000 , 325, 545-551	2.5	32
344	Electron-blocking hole-transport polyterpenol thin films. <i>Chemical Physics Letters</i> , 2012 , 528, 26-28	2.5	31
343	Charge modulated reflectance topography for probing in-plane carrier distribution in pentacene field-effect transistors. <i>Applied Physics Letters</i> , 2010 , 97, 113302	3.4	30
342	Analysis of carrier injection into a pentacene field effect transistor by optical second harmonic generation measurements. <i>Journal of Applied Physics</i> , 2007 , 101, 024515	2.5	30
341	Investigation of the Electrostatic Phenomena at Pentacene/Metal Interface by Second-Harmonic Generation. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 2818-2822	1.4	30
340	Weak boundary anchoring, twisted nematic effect, and homeotropic to twisted-planar transition. <i>Physical Review E</i> , 2002 , 65, 031709	2.4	29
339	Detection of phase transitions in liquid crystals on a water surface by a Maxwell displacement current-measuring technique. <i>Journal of Chemical Physics</i> , 1995 , 102, 9368-9374	3.9	29
338	Influence of traps on transient electric field and mobility evaluation in organic field-effect transistors. <i>Journal of Applied Physics</i> , 2010 , 107, 043712	2.5	28
337	Interaction of interfacial charge and ferroelectric polarization in a pentacene/poly(vinylidene fluoride-trifluoroethylene) double-layer device. <i>Applied Physics Letters</i> , 2011 , 99, 063302	3.4	28
336	Analysis of hysteresis behavior of pentacene field effect transistor characteristics with capacitance-voltage and optical second harmonic generation measurements. <i>Journal of Applied Physics</i> , 2007 , 101, 094505	2.5	28
335	Shape and stability of two-dimensional lipid domains with dipole-dipole interactions. <i>Journal of Chemical Physics</i> , 2006 , 125, 224701	3.9	27
334	Anomalous anchoring effect of nanopolyimide Langmuir-Blodgett films in a twisted nematic liquid-crystal cell. <i>Physical Review E</i> , 1996 , 54, 5217-5220	2.4	27
333	Optical second-harmonic generation measurement for probing organic device operation. <i>Light: Science and Applications</i> , 2016 , 5, e16040	16.7	27

332	Probing of electric field in pentacene using microscopic optical second harmonic generation. <i>Journal of Applied Physics</i> , 2008 , 103, 084118	2.5	26
331	Spectroscopic consideration of the surface potential built across phthalocyanine thin films on a metal electrode. <i>Journal of Chemical Physics</i> , 2004 , 120, 7725-32	3.9	26
330	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> , 2017 , 112, 111-116	10.4	25
329	Insight into the contact resistance problem by direct probing of the potential drop in organic field-effect transistors. <i>Applied Physics Letters</i> , 2010 , 97, 263304	3.4	25
328	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> , 2012 , 112, 083723	2.5	25
327	The dielectric dispersion of insulating films with long-range movements of charge carriers. <i>Journal of Applied Physics</i> , 1995 , 77, 5314-5321	2.5	25
326	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, 103717	2.5	24
325	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> , 2010 , 28, C5F12-C5F16	1.3	24
324	Optical second harmonic generation imaging for visualizing in-plane electric field distribution. <i>Optics Express</i> , 2007 , 15, 15964-71	3.3	24
323	Investigation of photoinduced molecular switching in a single monolayer by a displacement-current-measuring technique. <i>Journal of Chemical Physics</i> , 1991 , 95, 8561-8567	3.9	24
322	Electronic density of state at metal/polyimide Langmuir-Blodgett film interface. <i>Applied Physics Letters</i> , 1996 , 68, 2714-2716	3.4	23
321	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	1.4	23
320	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	3.5	22
319	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, 074509	2.5	22
318	Probing carrier injection into pentacene field effect transistor by time-resolved microscopic optical second harmonic generation measurement. <i>Journal of Applied Physics</i> , 2009 , 106, 014511	2.5	22
317	Calculation of the dielectric constant of monolayer films with dielectric anisotropy. <i>Physical Review B</i> , 1997 , 55, 10922-10930	3.3	22
316	Injected carrier distribution in a pentacene field effect transistor probed using optical second harmonic generation. <i>Journal of Applied Physics</i> , 2008 , 104, 074502	2.5	22
315	Fabricating chiral polydiacetylene film by monolayer compression and circularly polarized ultra-violet light. <i>Chemical Physics Letters</i> , 2007 , 442, 97-100	2.5	22

314	Instrument equipped with Maxwell displacement current and optical second-harmonic generation measurement system. <i>Review of Scientific Instruments</i> , 2003 , 74, 2828-2835	1.7	22
313	Analysis of weak-anchoring effect in nematic liquid crystals. <i>Physical Review E</i> , 2000 , 62, R1481-4	2.4	22
312	Measuring the Electronic Properties of DNA-Specific Schottky Diodes Towards Detecting and Identifying Basidiomycetes DNA. <i>Scientific Reports</i> , 2016 , 6, 29879	4.9	22
311	Electrical properties of unsubstituted/fluorine-substituted phthalocyanine interface investigated by Kelvin probe method. <i>Thin Solid Films</i> , 2003 , 438-439, 157-161	2.2	21
310	Compression-shear-induced tilt azimuthal orientation of amphiphilic monolayers at the air-water interface: a C(infinity)-->C2v transition in the flow of a two-dimensional hexatic structure. <i>Physical Review E</i> , 2003 , 67, 041711	2.4	21
309	Determination of the complete dielectric polarization of Langmuir monolayers. <i>Review of Scientific Instruments</i> , 2005 , 76, 083902	1.7	21
308	Analysis of scanning probe used for simultaneous measurement of tunneling current and surface potential. <i>Journal of Applied Physics</i> , 1999 , 86, 7087-7093	2.5	21
307	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, 113711	2.5	20
306	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	2.5	20
305	Analysis of dielectric relaxation phenomena with molecular orientational ordering in monolayers at the liquid-air interface. <i>Physical Review E</i> , 1996 , 54, 6603-6608	2.4	20
304	Surface Potential of Heat-Treated PI Langmuir-Blodgett Films Deposited on Metal Electrodes. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, 3671-3674	1.4	20
303	Carrier injection and transport in organic field-effect transistor investigated by impedance spectroscopy. <i>Thin Solid Films</i> , 2009 , 518, 448-451	2.2	19
302	Analysis of pentacene field-effect transistor with contact resistance as an element of a Maxwell-Wagner effect system. <i>Journal of Applied Physics</i> , 2008 , 104, 054511	2.5	19
301	Studying the chirality of polymerized 10,12-tricosadynoic acid LB films using SHG polarized angle dependence and SHG-CD method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 284-285, 424-429	5.1	18
300	Detection of phase transition of monolayers at the air-water interface by compression using Maxwell displacement current and optical second harmonic generation. <i>Journal of Chemical Physics</i> , 2003 , 118, 5640-5649	3.9	18
299	Selective observation of photo-induced electric fields inside different material components in bulk-heterojunction organic solar cell. <i>Applied Physics Letters</i> , 2014 , 104, 013306	3.4	17
298	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, 033715	2.5	17
297	Second-harmonic generation and Maxwell displacement current spectroscopy of chiral organic monolayers at the air-water interface. <i>Journal of Chemical Physics</i> , 2003 , 119, 7427-7434	3.9	17

296	Josephson Junctions Using Polyimide Langmuir-Blodgett Films with a Nb/Au/PI/(Pb-Bi) Structure. <i>Japanese Journal of Applied Physics</i> , 1991 , 30, L393-L395	1.4	17
295	The Physical Properties of Organic Monolayers 2001 ,		17
294	Electronic Properties of Synthetic Shrimp Pathogens-derived DNA Schottky Diodes. <i>Scientific Reports</i> , 2018 , 8, 896	4.9	16
293	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	16
292	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, 092109	3.4	16
291	Displacement current analysis of carrier behavior in pentacene field effect transistor with poly(vinylidene fluoride and tetrafluoroethylene) gate insulator. <i>Journal of Applied Physics</i> , 2009 , 106, 024505	2.5	16
290	Nano-electrostatic phenomena in LangmuirBlodgett films. <i>Thin Solid Films</i> , 1998 , 331, 15-24	2.2	16
289	Decay process of a large surface potential of Alq3 films by heating. <i>Journal of Applied Physics</i> , 2006 , 100, 053707	2.5	16
288	Electrostatic energies stored in dipolar films and analysis of decaying process of a large surface potential of Alq3 films. <i>Chemical Physics Letters</i> , 2006 , 430, 340-344	2.5	16
287	Direct probing of contact electrification by using optical second harmonic generation technique. <i>Scientific Reports</i> , 2015 , 5, 13019	4.9	15
286	Space charge field effect on light emitting from tetracene field-effect transistor under AC electric field. <i>Thin Solid Films</i> , 2009 , 518, 583-587	2.2	14
285	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	3.4	14
284	Interfacial electrostatic phenomena and capacitanceVoltage characteristics of ultrathin polyimide LangmuirBlodgett films. <i>Journal of Applied Physics</i> , 1999 , 85, 7239-7243	2.5	14
283	Maxwell displacement current across single monolayers. <i>Thin Solid Films</i> , 1994 , 244, 1031-1036	2.2	14
282	Motion behavior of water droplets driven by triboelectric nanogenerator. <i>Applied Physics Letters</i> , 2018 , 112, 183701	3.4	13
281	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	3	13
280	Probing of channel region in pentacene field effect transistors by optical second harmonic generation. <i>Chemical Physics Letters</i> , 2009 , 477, 221-224	2.5	13
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> , 2011 , 507, 195-198	2.5	13

278	Observation of electron behavior in ambipolar polymer-based light-emitting transistor by optical second harmonic generation. <i>Journal of Applied Physics</i> , 2011 , 110, 013715	2.5	13
277	Electric quadrupole model on the formation of molecular chirality dependent domain shapes of lipid monolayers at the air-water interface. <i>Journal of Chemical Physics</i> , 2007 , 126, 125106	3.9	13
276	Surface Potential of Polyimide Langmuir-Blodgett Films Deposited on Metal Electrodes. <i>Japanese Journal of Applied Physics</i> , 1990 , 29, L638-L640	1.4	13
275	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	2.5	12
274	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> , 2014 , 105, 073301	3.4	12
273	Reduction of Hysteresis in Organic Field-Effect Transistor by Ferroelectric Gate Dielectric. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 021601	1.4	12
272	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> , 2009 , 48, 021504	1.4	12
271	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> , 2011 , 110, 103707	2.5	12
270	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> , 2011 , 109, 054506	2.5	12
269	Molecular structure modulated properties of azobenzene-substituted polydiacetylene LB films: Chirality formation and thermal stability. <i>Polymer</i> , 2010 , 51, 2229-2235	3.9	12
268	Surface Morphology and Electrical Transport Properties of Polydiacetylene-Based Organic Field-Effect Transistors. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 6436-6441	1.4	12
267	Orientalional order study of 4-alkyl-4'-cyanobiphenyl Langmuir films by Maxwell displacement current and optical second harmonic generation measurements. <i>Thin Solid Films</i> , 2001 , 393, 86-91	2.2	12
266	Electrostatic Phenomena in π -conjugated Langmuir-Blodgett Films on Metal Electrodes. <i>Japanese Journal of Applied Physics</i> , 1998 , 37, 577-583	1.4	12
265	Displacement-Current Generation from Spread Monolayers of Poly(vinyl alcohol)s Bearing Azobenzene Sides. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, 2832-2836	1.4	12
264	Maxwell displacement-current generation due to trans-cis photoisomerization in monolayer Langmuir-Blodgett film. <i>Journal of Applied Physics</i> , 1992 , 72, 1637-1641	2.5	12
263	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	1.4	11
262	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	2.2	11
261	Observation of Carrier Behavior in Organic Field-Effect Transistors with Electroluminescence under AC Electric Field. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 3200-3203	1.4	11

260	Electrostatic Maxwell stress model of the shapes of condensed phase domains in monolayers at the air-water interface. <i>Journal of Chemical Physics</i> , 2008 , 128, 204706	3.9	11
259	Determination of dipole moment of azobenzene dendrimer by Maxwell-displacement-current measurement for Langmuir monolayer. <i>Chemical Physics Letters</i> , 2002 , 355, 164-168	2.5	11
258	Molecular twist transition in chiral and racemic phospholipid monolayers detected by Maxwell-displacement-current measurements. <i>Physical Review E</i> , 1999 , 59, 2105-2108	2.4	11
257	Interfacial electronic density of states in phthalocyanine derivative Langmuir-Blodgett films determined by surface potential measurement. <i>Journal of Applied Physics</i> , 1999 , 86, 3848-3852	2.5	11
256	Transient current across insulating films with long-range movements of charge carriers. <i>Journal of Applied Physics</i> , 1996 , 79, 7936-7943	2.5	11
255	Maxwell displacement current across monolayer polyimide Langmuir-Blodgett films with azobenzene by photoirradiation. <i>Journal of Applied Physics</i> , 1993 , 74, 1131-1137	2.5	11
254	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
253	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> , 2011 , 515, 306-309	2.5	10
252	Observation of Electron Injection into Organic Field-Effect Transistor with Au Electrodes using Electroluminescence under AC Electric Field. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1297-1300	1.4	10
251	Polar orientational phase transition and differential dielectric constant of smectic monolayers on a water surface. <i>Journal of Chemical Physics</i> , 1998 , 109, 4552-4561	3.9	10
250	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	3.4	9
249	Trapping centers engineering by including of nanoparticles into organic semiconductors. <i>Journal of Applied Physics</i> , 2008 , 104, 114502	2.5	9
248	Induced Optical Chirality of Poly(diacetylene) Film by Circularly Polarized Light and Its Control by Changing Substrate Temperature. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1359-1362	1.4	9
247	Probing motion of electric dipoles and carriers in organic monolayers by Maxwell Displacement Current and optical second harmonic generation. <i>Thin Solid Films</i> , 2008 , 517, 1312-1316	2.2	9
246	Electrical Transport Properties of Polydiacetylene Films during Thermo-chromic Process. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 3071-3076	1.4	9
245	Interfacial Electrostatic Phenomena in Phthalocyanine Langmuir-Blodgett Films under Photoillumination. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 1315-1321	1.4	9
244	Measurement of displacement current across single monolayers with thermal stimulation. <i>Review of Scientific Instruments</i> , 1993 , 64, 2627-2631	1.7	9
243	A method for studying interface states in MIS structures by thermally stimulated surface potential. <i>Journal of Applied Physics</i> , 1978 , 49, 2866-2875	2.5	9

242	Memory effect in organic transistor: Controllable shifts in threshold voltage. <i>Chemical Physics Letters</i> , 2012 , 551, 105-110	2.5	8
241	Probing carrier behavior in organic semiconductor device by electric field induced optical second harmonic generation measurement. <i>Organic Electronics</i> , 2012 , 13, 2489-2493	3.5	8
240	Carrier injection from polypyrrole coated gold electrode in pentacene field effect transistors. <i>Synthetic Metals</i> , 2010 , 160, 2116-2120	3.6	8
239	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	3.4	8
238	Mobility Measurement Based on Visualized Electric Field Migration in Organic Field-Effect Transistors. <i>Applied Physics Express</i> , 2009 , 2, 061501	2.4	8
237	Molecular switching in phospholipid-azobenzene mixed monolayers by photoisomerization. <i>Thin Solid Films</i> , 1998 , 331, 239-247	2.2	8
236	Effect of the metal/organic interface phenomena on the current-voltage characteristics of organic single electron tunneling device. <i>Thin Solid Films</i> , 2001 , 393, 379-382	2.2	8
235	Nonlinear dependence of Maxwell displacement current across chiral phospholipid mixed monolayers on molar ratio. <i>Journal of Chemical Physics</i> , 2000 , 113, 2880-2885	3.9	8
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