

Eunju Lim

List of Publications by Year in descending order

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44
papers

1,122
citations

516710

16
h-index

395702

33
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45
all docs

45
docs citations

45
times ranked

744
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct imaging of carrier motion in organic transistors by optical second-harmonic generation. <i>Nature Photonics</i> , 2007, 1, 581-584.	31.4	223
2	Analysis of pentacene field effect transistor as a Maxwell-Wagner effect element. <i>Journal of Applied Physics</i> , 2006, 100, 114515.	2.5	199
3	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.	3.3	97
4	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.	1.5	81
5	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.	3.3	65
6	Ultrasonically and Iontophoretically Enhanced Drug-Delivery System Based on Dissolving Microneedle Patches. <i>Scientific Reports</i> , 2020, 10, 2027.	3.3	59
7	Microneedles integrated with a triboelectric nanogenerator: an electrically active drug delivery system. <i>Nanoscale</i> , 2018, 10, 13502-13510.	5.6	44
8	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	33
9	Probing of electric field in pentacene using microscopic optical second harmonic generation. <i>Journal of Applied Physics</i> , 2008, 103, 084118.	2.5	29
10	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
11	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	25
12	Direct observation of trapped carriers in polydiacetylene films by optical second harmonic generation. <i>Applied Physics Letters</i> , 2007, 90, 171119.	3.3	22
13	Injected carrier distribution in a pentacene field effect transistor probed using optical second harmonic generation. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	22
14	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, .	2.5	21
15	Probing of channel region in pentacene field effect transistors by optical second harmonic generation. <i>Chemical Physics Letters</i> , 2009, 477, 221-224.	2.6	17
16	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
17	Study of rectifying property of ITO/PI/TIPS-pentacene/Au diodes by electric field induced optical second harmonic generation. <i>Organic Electronics</i> , 2013, 14, 1903-1908.	2.6	15
18	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.	3.3	14

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19	Evaluation of carrier velocity using time-resolved optical second harmonic generation measurement. Applied Physics Letters, 2008, 92, .	3.3	13
20	Probing charging effects induced in ITO/polyimide/6,13-Bis(triisopropylsilylethynyl)-pentacene/Au diodes by time-resolved optical second harmonic generation measurement. Chemical Physics Letters, 2011, 515, 306-309.	2.6	12
21	Probing carrier behavior in organic semiconductor device by electric field induced optical second harmonic generation measurement. Organic Electronics, 2012, 13, 2489-2493.	2.6	10
22	Probing electric field distribution change in ITO/PI/TIPS-pentacene/Au diodes by time-resolved optical second harmonic generation measurement. Chemical Physics Letters, 2013, 561-562, 97-100.	2.6	9
23	Probing electric field in double-layer electroluminescence diode by optical second harmonic generation. Chemical Physics Letters, 2011, 516, 254-256.	2.6	6
24	Electrical and optical analyses of trapping phenomenon with temperature dependence of organic device. Organic Electronics, 2017, 50, 397-402.	2.6	6
25	Simulation of injection-compression molding for thin and large battery housing. Current Applied Physics, 2018, 18, 1451-1457.	2.4	6
26	Effective Dispensing Methods for Loading Drugs Only to the Tip of DNA Microneedles. Pharmaceutics, 2020, 12, 954.	4.5	6
27	Modified Maxwell-Wagner model analysis on charging and discharging in TIPS-pentacene diode by optical second harmonic generation measurement. Current Applied Physics, 2014, 14, 1156-1159.	2.4	5
28	Transformation of amorphous to crystallized carbon. Applied Physics Letters, 2017, 110, 143104.	3.3	5
29	Carrier transport of carbon nanotube embedded organic semiconductor composite. Materials Research Bulletin, 2017, 90, 232-236.	5.2	5
30	Carrier behaviors of 6,13-Bis (triisopropylsilylethynyl) pentacene device with self-assembled monolayer. Materials Chemistry and Physics, 2019, 227, 250-254.	4.0	5
31	Study of stress biasing effect observed in C-V characteristics of ITO/PI/TIPS-pentacene/Au diodes by electric field induced optical second harmonic generation. Organic Electronics, 2014, 15, 3590-3594.	2.6	4
32	Fabrication and Characterization of Aluminum Nanoparticle-Reinforced Composites. Polymers, 2020, 12, 2772.	4.5	4
33	Analysis of Carrier Transport of Organic Devices by Using Nonlinear Optical Polarization. Journal of Nanoscience and Nanotechnology, 2015, 15, 1973-1983.	0.9	3
34	Probing electric field distribution in organic double-layer diode by electric field induced optical second harmonic generation. Current Applied Physics, 2012, 12, 1023-1026.	2.4	2
35	Rheological Analysis of Live and Dead Microalgae Suspensions. Journal of the Korean Physical Society, 2018, 72, 858-862.	0.7	2
36	Effect of proton and ion beam treatment on cyclic olefin copolymer parts prepared via injection molding. Current Applied Physics, 2019, 19, 381-387.	2.4	2

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37	Carrier transport of all carbonized β -glucosic eco-materials. Nanotechnology, 2020, 31, 345201.	2.6	2
38	Analysis of Organic Field Effect Transistors as a Maxwell-Wagner Effect Element: Measurement of Nano-Interfacial Polarization and Electric Field Distribution in Organic Film by Optical Second Harmonic Generation. Molecular Crystals and Liquid Crystals, 2007, 467, 285-293.	0.9	1
39	Study of TIPS-pentacene diode using electrical and electric field induced optical second harmonic generation measurement coupled with μ V and mV measurements. Current Applied Physics, 2016, 16, 1259-1262.	2.4	1
40	Hardness Enhancement of and an Organic-Inorganic Hybrid Film by Using Nitrogen Ion-Beam Irradiation. Journal of the Korean Physical Society, 2018, 72, 906-910.	0.7	1
41	Probing of Carrier Injection into Organic Field Effect Transistor by Optical Second Harmonic Generation. IEJ Transactions on Fundamentals and Materials, 2007, 127, 261-264.	0.2	1
42	Improvement of charge transport in organic TIPS semiconductor device using crystal alignment eco-friendly plastic cellulose nano-whisker. Journal of the Korean Physical Society, 2021, 79, 966-972.	0.7	1
43	Origin of surface polarization phenomena at the interface between pentacene/permalloy bilayers. , 2006, , .		0
44	Surface analysis of curved polymeric plates irradiated with proton and ion beams. RSC Advances, 2018, 8, 34895-34902.	3.6	0