

Changmin Keum

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,117
citations

516561

16
h-index

395590

33
g-index

40
all docs

40
docs citations

40
times ranked

1991
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Thermal Stability of Top-Emitting Organic Light-Emitting Diodes by Modification of the Anode Interface. <i>Advanced Optical Materials</i> , 2021, 9, 2001642.	3.6	20
2	Accurate Efficiency Measurements of Organic Light-Emitting Diodes via Angle-Resolved Spectroscopy. <i>Advanced Optical Materials</i> , 2021, 9, 2000838.	3.6	25
3	Bipyridine-Containing Host Materials for High Performance Yellow Thermally Activated Delayed Fluorescence-Based Organic Light Emitting Diodes with Very Low Efficiency Roll-Off. <i>Advanced Optical Materials</i> , 2020, 8, 1901283.	3.6	18
4	A substrateless, flexible, and water-resistant organic light-emitting diode. <i>Nature Communications</i> , 2020, 11, 6250.	5.8	91
5	Distributed Feedback Lasers Based on Green Fluorescent Protein and Conformal High Refractive Index Oxide Layers. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000101.	4.4	9
6	Organic Light-Emitting Diodes Based on a Columnar Liquid-Crystalline Perylene Emitter. <i>Advanced Optical Materials</i> , 2020, 8, 2000414.	3.6	23
7	Development of Very High Luminance p-i-n Junction-Based Blue Fluorescent Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020, 8, 1901721.	3.6	10
8	Fast Delayed Emission in New Pyridazine-Based Compounds. <i>Frontiers in Chemistry</i> , 2020, 8, 572862.	1.8	7
9	1,3,4-Oxadiazole-based Deep Blue Thermally Activated Delayed Fluorescence Emitters for Organic Light Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24772-24785.	1.5	21
10	Photostimulation for In Vitro Optogenetics with High-Power Blue Organic Light-Emitting Diodes. <i>Advanced Biology</i> , 2019, 3, e1800290.	3.0	24
11	Modeling tunnel currents in organic permeable-base transistors. <i>Synthetic Metals</i> , 2019, 252, 82-90.	2.1	5
12	Time-Resolved Studies of Energy Transfer in Thin Films of Green and Red Fluorescent Proteins. <i>Advanced Functional Materials</i> , 2018, 28, 1706300.	7.8	12
13	The Role of Metallic Dopants in Improving the Thermal Stability of the Electron Transport Layer in Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800496.	3.6	15
14	New Applications of Organic LEDs in Biophotonics. , 2018, , .		0
15	Patterning organic transistors by dry-etching: The double layer lithography. <i>Organic Electronics</i> , 2017, 45, 124-130.	1.4	13
16	Reaching saturation in patterned source vertical organic field effect transistors. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	31
17	Flexible multi-level resistive memory with high current ratio by electrical triggering into insulating layer. <i>Organic Electronics</i> , 2017, 51, 357-361.	1.4	8
18	Principle of topography-directed inkjet printing for functional micro-tracks in flexible substrates. <i>Journal of Applied Physics</i> , 2017, 121, 244902.	1.1	6

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19	Vapor Pressure Effect on Electrical Properties of Solution-Processed Organic Field-Effect Transistors. <i>Science of Advanced Materials</i> , 2017, 9, 290-295.	0.1	0
20	Field-symmetrization to solve luminance deviation between frames in a low-frequency-driven fringe-field switching liquid crystal cell. <i>Optics Express</i> , 2016, 24, 29568.	1.7	17
21	Charge trapping in doped organic Zener diodes. <i>Organic Electronics</i> , 2016, 39, 77-84.	1.4	4
22	Doped Organic Transistors. <i>Chemical Reviews</i> , 2016, 116, 13714-13751.	23.0	477
23	Contact Resistance Effects in Highly Doped Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2016, 28, 8766-8770.	11.1	50
24	Effect of morphological and physicochemical properties of dielectric-organic semiconductor interfaces on photoresponse of organic phototransistors. <i>Thin Solid Films</i> , 2016, 619, 297-301.	0.8	22
25	Minority Currents in n-Doped Organic Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32432-32439.	4.0	14
26	Electrowetting-on-Dielectric Device Controlled by Embedded Undulating Electrode for Liquid Transport. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 6455-6458.	0.9	2
27	Tailoring and patterning of dielectric interfaces for the development of advanced organic field-effect transistors. <i>Liquid Crystals</i> , 2014, 41, 310-319.	0.9	1
28	Biocompatible Patterning of Proteins on Wettability Gradient Surface by Thermo-Transfer Printing. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6069-6071.	0.9	8
29	Quasi-surface emission in vertical organic light-emitting transistors with network electrode. <i>Optics Express</i> , 2014, 22, 14750.	1.7	18
30	Combinatorial color arrays based on optical micro-resonators in monolithic architecture. <i>Optics Express</i> , 2014, 22, 15320.	1.7	8
31	Control of the molecular order and cracks of the 6,13-bis(triisopropylsilylethynyl)-pentacene on a polymeric insulator by anisotropic solvent drying. <i>Solid-State Electronics</i> , 2013, 89, 189-193.	0.8	13
32	Topography-guided spreading and drying of 6,13-bis(triisopropylsilylethynyl)-pentacene solution on a polymer insulator for the field-effect mobility enhancement. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	8
33	Voltage-readable nonvolatile memory cell with programmable ferroelectric multistates in organic inverter configuration. <i>Organic Electronics</i> , 2013, 14, 1231-1236.	1.4	5
34	Control of interfacial charges of organic semiconductor by a surface polarized layer for high noise-margin inverters with full-swing capability. <i>Organic Electronics</i> , 2012, 13, 2365-2371.	1.4	7
35	Solution-processed low leakage organic field-effect transistors with self-pattern registration based on patterned dielectric barrier. <i>Organic Electronics</i> , 2012, 13, 778-783.	1.4	29
36	Chevron-type gate configuration of short channel top-contact organic thin-film transistors for large saturated drain current. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 145106.	1.3	3

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37	Thermal annealing effect on the crack development and the stability of 6,13-bis(triisopropylsilylethynyl)-pentacene field-effect transistors with a solution-processed polymer insulator. <i>Organic Electronics</i> , 2010, 11, 784-788.	1.4	62
38	Optical anisotropy of aligned pentacene molecules on a rubbed polymer corresponding to the electrical anisotropy. <i>Current Applied Physics</i> , 2010, 10, 64-67.	1.1	13
39	Light absorption enhanced structure of thin film silicon solar cell. , 2010, , .		0
40	Effects of Interfacial Charge Depletion in Organic Thin-Film Transistors with Polymeric Dielectrics on Electrical Stability. <i>Materials</i> , 2010, 3, 3614-3624.	1.3	18