

Kipyoo Hong

List of Publications by Year in descending order

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16
papers

776
citations

516710

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940533

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times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	Bending-stress-driven phase transitions in pentacene thin films for flexible organic field-effect transistors. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	124
2	Effect of water in ambient air on hysteresis in pentacene field-effect transistors containing gate dielectrics coated with polymers with different functional groups. <i>Organic Electronics</i> , 2008, 9, 673-677.	2.6	85
3	Reducing the contact resistance in organic thin-film transistors by introducing a PEDOT:PSS hole-injection layer. <i>Organic Electronics</i> , 2008, 9, 864-868.	2.6	79
4	Effect of the hydrophobicity and thickness of polymer gate dielectrics on the hysteresis behavior of pentacene-based field-effect transistors. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	69
5	Hysteresis behaviour of low-voltage organic field-effect transistors employing high dielectric constant polymer gate dielectrics. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 465102.	2.8	57
6	High-Performance Triisopropylsilylethynyl Pentacene Transistors via Spin Coating with a Crystallization-Assisting Layer. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 117-122.	8.0	49
7	Origin of high mobility within an amorphous polymeric semiconductor: Space-charge-limited current and trap distribution. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	47
8	Solution-processed flexible ZnO transparent thin-film transistors with a polymer gate dielectric fabricated by microwave heating. <i>Nanotechnology</i> , 2009, 20, 465201.	2.6	45
9	Lower hole-injection barrier between pentacene and a 1-hexadecanethiol-modified gold substrate with a lowered work function. <i>Organic Electronics</i> , 2008, 9, 21-29.	2.6	44
10	Direct Observation of Interfacial Morphology in Poly(3-hexylthiophene) Transistors: Relationship between Grain Boundary and Field-Effect Mobility. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 48-53.	8.0	37
11	Photopatternable Poly(4-styrene sulfonic acid)-Wrapped MWNT Thin-Film Source/Drain Electrodes for Use in Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 74-79.	8.0	30
12	Ambipolar thin-film transistors and an inverter based on pentacene/self-assembled monolayer modified ZnO hybrid structures for balanced hole and electron mobilities. <i>Organic Electronics</i> , 2011, 12, 411-418.	2.6	28
13	Photopatternable, highly conductive and low work function polymer electrodes for high-performance n-type bottom contact organic transistors. <i>Organic Electronics</i> , 2011, 12, 516-519.	2.6	24
14	Solution-processed organic field-effect transistors composed of poly(4-styrene sulfonate) wrapped multiwalled carbon nanotube source/drain electrodes. <i>Organic Electronics</i> , 2009, 10, 363-367.	2.6	22
15	Improved n-type bottom-contact organic transistors by introducing a poly(3,4-ethylenedioxythiophene):poly(4-styrene sulfonate) coating on the source/drain electrodes. <i>Applied Physics Letters</i> , 2010, 97, 103304.	3.3	20
16	Photopatternable Source/Drain Electrodes using Multiwalled Carbon Nanotube/Polymer Nanocomposites for Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2332-2337.	8.0	16