

Kipyoo Hong

List of Publications by Year in descending order

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16
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |