

Thu-Trang Do

List of Publications by Year in descending order

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623734

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#	ARTICLE	IF	CITATIONS
1	Single and dual-gate organic field-effect transistors based on diketopyrrolopyrrole-diethienothiophene polymers: performance modulation via dielectric interfaces. <i>Materials Research Express</i> , 2021, 8, 096301.	1.6	1
2	Reduced Threshold Voltages and Enhanced Mobilities in Diketopyrrolopyrrole-Dithienothiophene Polymer-Based Organic Transistor by Interface Engineering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000097.	1.8	5
3	Pyrrrolo[3,2-b]pyrrole-1,4-dione (IsoDPP) End Capped with Naphthalimide or Phthalimide: Novel Small Molecular Acceptors for Organic Solar Cells. <i>Molecules</i> , 2020, 25, 4700.	3.8	5
4	Electrode and dielectric layer interface device engineering study using furan flanked diketopyrrolopyrrole-dithienothiophene polymer based organic transistors. <i>Scientific Reports</i> , 2020, 10, 19989.	3.3	9
5	Highly Efficient Microscopic Charge Transport within Crystalline Domains in a Furan-Flanked Diketopyrrolopyrrole-Based Conjugated Copolymer. <i>Advanced Functional Materials</i> , 2020, 30, 2000389.	14.9	11
6	Naphthalimide end-capped diphenylacetylene: a versatile organic semiconductor for blue light emitting diodes and a donor or an acceptor for solar cells. <i>New Journal of Chemistry</i> , 2019, 43, 9243-9254.	2.8	15
7	Indenofluorene-based-copolymers: Influence of electron-deficient benzothiadiazole (BT) and benzooxadiazole (BO) moieties on light emitting devices. <i>Organic Electronics</i> , 2019, 70, 14-24.	2.6	10
8	Organic Transistor Based on Cyclopentadithiophene-Benzothiadiazole Donor-Acceptor Copolymer for the Detection and Discrimination between Multiple Structural Isomers. <i>Advanced Functional Materials</i> , 2019, 29, 1808188.	14.9	20
9	Molecular Engineering Using an Anthanthrone Dye for Low-Cost Hole Transport Materials: A Strategy for Dopant-Free, High-Efficiency, and Stable Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1703007.	19.5	154
10	Naphthalimide end capped anthraquinone based solution-processable n-channel organic semiconductors: effect of alkyl chain engineering on charge transport. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3774-3786.	5.5	30
11	Control of Geminate Recombination by the Material Composition and Processing Conditions in Novel Polymer: Nonfullerene Acceptor Photovoltaic Devices. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1253-1260.	2.5	10
12	Experimental and modeling study of low-voltage field-effect transistors fabricated with molecularly aligned copolymer floating films. <i>Flexible and Printed Electronics</i> , 2018, 3, 015006.	2.7	15
13	One step facile synthesis of a novel anthanthrone dye-based, dopant-free hole transporting material for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3699-3708.	5.5	61
14	A triphenylamine substituted quinacridone derivative for solution processed organic light emitting diodes. <i>Materials Chemistry and Physics</i> , 2018, 206, 56-63.	4.0	15
15	Vinylene and benzo[1,2,5]thiadiazole: effect of the spacer unit on the properties of bis(2-oxoindolin-3-ylidene)-benzodifuran-dione containing polymers for n-channel organic field-effect transistors. <i>RSC Advances</i> , 2018, 8, 38919-38928.	3.6	2
16	Phthalimide and naphthalimide: Effect of end-capping groups on molecular properties and photovoltaic performance of 9-fluorenone based acceptors for organic solar cells. <i>Organic Electronics</i> , 2018, 62, 12-20.	2.6	10
17	9-Fluorenone and 9,10-anthraquinone potential fused aromatic building blocks to synthesize electron acceptors for organic solar cells. <i>New Journal of Chemistry</i> , 2017, 41, 2899-2909.	2.8	19
18	Effect of thermal annealing Super Yellow emissive layer on efficiency of OLEDs. <i>Scientific Reports</i> , 2017, 7, 40805.	3.3	54

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19	Molecular Engineering Strategy for High Efficiency Fullerene-Free Organic Solar Cells Using Conjugated 1,8-Naphthalimide and Fluorenone Building Blocks. ACS Applied Materials & Interfaces, 2017, 9, 16967-16976.	8.0	56
20	Sensors: A Highly Sensitive Diketopyrrolopyrrole-Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers (Adv. Mater. 21/2016). Advanced Materials, 2016, 28, 4163-4163.	21.0	0
21	Self-Assembled Poly(4-vinylpyridine) As an Interfacial Layer for Polymer Solar Cells. Bulletin of the Korean Chemical Society, 2016, 37, 13-18.	1.9	8
22	A Highly Sensitive Diketopyrrolopyrrole-Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers. Advanced Materials, 2016, 28, 4012-4018.	21.0	129
23	Effect of Polyelectrolyte Electron Collection Layer Counteranion on the Properties of Polymer Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 3335-3341.	8.0	43
24	Investigation of the property change of polymer solar cells by changing counter anions in polyviologen as a cathode buffer layer. Macromolecular Research, 2015, 23, 177-182.	2.4	11
25	Synthesis and characterization of conjugated oligoelectrolytes based on fluorene and carbazole derivative and application of polymer solar cell as a cathode buffer layer. Macromolecular Research, 2015, 23, 367-376.	2.4	21
26	Enhanced efficiency in polymer solar cells by incorporation of phenothiazine-based conjugated polymer electrolytes. Organic Electronics, 2015, 16, 18-25.	2.6	5
27	Effect of Phthalimide in 2,1,3-Benzoxadiazole Based Copolymer on the Performances of Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 598, 120-128.	0.9	1
28	Investigation of the effect of conjugated oligoelectrolyte as a cathode buffer layer on the photovoltaic properties. Synthetic Metals, 2014, 198, 122-130.	3.9	18
29	Effect of Self-Assembled Monolayer Treated ZnO on the Photovoltaic Properties of Inverted Polymer Solar Cells. Bulletin of the Korean Chemical Society, 2014, 35, 569-574.	1.9	8
30	Synthesis and Characterization of π -Conjugated Polymers Based on 2-arylbenzimidazole and 4,7-di-thiophene-2-yl-4,5,6,7-tetrahydro-benzo[1,2,5]thiadiazole. Molecular Crystals and Liquid Crystals, 2013, 581, 31-37.	0.9	3
31	Effect of the number of thiophene rings in polymers with 2,1,3-benzoxadiazole core on the photovoltaic properties. Organic Electronics, 2013, 14, 2673-2681.	2.6	29
32	Synthesis and Characterization of π -Conjugated Polymer Based on Phthalimide Derivative and its Application for Polymer Solar Cells. Polymers, 2013, 37, 694-701.	0.2	2
33	Conjugated 1,8-Naphthalimide Based Solution Processable n-Type Semiconductors for Organic Electronics. , 0, , .		0
34	Non-Fullerene Acceptor-Based Nanomorphology Enhancement for Efficient Ternary Organic Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 0, , .	1.8	2