Thu-Trang Do

List of Publications by Year
in descending order

34 papers	782 citations	623734 14 h-index	526287 27 g-index
34 all docs	34 docs citations	34 times ranked	1407 citing authors

#	Article	IF	Citations
1	Molecular Engineering Using an Anthanthrone Dye for Lowâ€Cost Hole Transport Materials: A Strategy for Dopantâ€Free, Highâ€Efficiency, and Stable Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1703007.	19.5	154
2	A Highly Sensitive Diketopyrrolopyrroleâ€Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers. Advanced Materials, 2016, 28, 4012-4018.	21.0	129
3	One step facile synthesis of a novel anthanthrone dye-based, dopant-free hole transporting material for efficient and stable perovskite solar cells. Journal of Materials Chemistry C, 2018, 6, 3699-3708.	5.5	61
4	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
5	Effect of thermal annealing Super Yellow emissive layer on efficiency of OLEDs. Scientific Reports, 2017, 7, 40805.	3.3	54
6	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
7	Naphthalimide end capped anthraquinone based solution-processable n-channel organic semiconductors: effect of alkyl chain engineering on charge transport. Journal of Materials Chemistry C, 2018, 6, 3774-3786.	5.5	30
8	Effect of the number of thiophene rings in polymers with 2,1,3-benzooxadiazole core on the photovoltaic properties. Organic Electronics, 2013, 14, 2673-2681.	2.6	29
9	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
10	Organic Transistor Based on Cyclopentadithiopheneâ€Benzothiadiazole Donorâ€“Acceptor Copolymer for the Detection and Discrimination between Multiple Structural Isomers. Advanced Functional Materials, 2019, 29, 1808188.	14.9	20
11	9-Fluorenone and 9,10-anthraquinone potential fused aromatic building blocks to synthesize electron acceptors for organic solar cells. New Journal of Chemistry, 2017, 41, 2899-2909.	2.8	19
12	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
13	Experimental and modeling study of low-voltage field-effect transistors fabricated with molecularly aligned copolymer floating films. Flexible and Printed Electronics, 2018, 3, 015006.	2.7	15
14	A triphenylamine substituted quinacridone derivative for solution processed organic light emitting diodes. Materials Chemistry and Physics, 2018, 206, 56-63.	4.0	15
15	Naphthalimide end-capped diphenylacetylene: a versatile organic semiconductor for blue light emitting diodes and a donor or an acceptor for solar cells. New Journal of Chemistry, 2019, 43, 9243-9254.	2.8	15
16	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
17	Highly Efficient Microscopic Charge Transport within Crystalline Domains in a Furanâ€Flanked Diketopyrrolopyrroleâ€Based Conjugated Copolymer. Advanced Functional Materials, 2020, 30, 2000389.	14.9	11
18	Control of Geminate Recombination by the Material Composition and Processing Conditions in Novel Polymer: Nonfullerene Acceptor Photovoltaic Devices. Journal of Physical Chemistry A, 2018, 122, 1253-1260.	2.5	10

#	Article	IF	Citations
19	Phthalimide and naphthalimide: Effect of end-capping groups on molecular properties and photovoltaic performance of 9-fluorenone based acceptors for organic solar cells. Organic Electronics, 2018, 62, 12-20.	2.6	10
20	Indenofluorene-based-copolymers: Influence of electron-deficient benzothiadiazole (BT) and benzooxadiazole (BO) moieties on light emitting devices. Organic Electronics, 2019, 70, 14-24.	2.6	10
21	Electrode and dielectric layer interface device engineering study using furan flanked diketopyrrolopyrroleâ€“dithienothiophene polymer based organic transistors. Scientific Reports, 2020, 10, 19989.	3.3	9
22	Selfâ€assembled Poly(4â€vinylpyridine) As an Interfacial Layer for Polymer Solar Cells. Bulletin of the Korean Chemical Society, 2016, 37, 13-18.	1.9	8
23	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
24	Enhanced efficiency in polymer solar cells by incorporation of phenothiazine-based conjugated polymer electrolytes. Organic Electronics, 2015, 16, 18-25.	2.6	5
25	Reduced Threshold Voltages and Enhanced Mobilities in Diketopyrrolopyrroleâ€“Dithienothiophene Polymerâ€Based Organic Transistor by Interface Engineering. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000097.	1.8	5
26	Pyrrolo[3,2-b]pyrrole-1,4-dione (IsoDPP) End Capped with Napthalimide or Phthalimide: Novel Small Molecular Acceptors for Organic Solar Cells. Molecules, 2020, 25, 4700.	3.8	5
27	Synthesis and Characterization of Ï€-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
28	Vinylene and benzo[c][1,2,5]thiadiazole: effect of the Ï€-spacer unit on the properties of bis(2-oxoindolin-3-ylidene)-benzodifuran-dione containing polymers for n-channel organic field-effect transistors. RSC Advances, 2018, 8, 38919-38928.	3.6	2
29	Synthesis and Characterization of Ï€-Conjugated Polymer Based on Phthalimide Derivative and its Application for Polymer Solar Cells. Porrime, 2013, 37, 694-701.	0.2	2
30	Nonâ€Fullerene Acceptorâ€Based Nanomorphology Enhancement for Efficient Ternary Organic Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 0, , .	1.8	2
31	Effect of Phthalimide in 2,1,3-Benzooxadiazole Based Copolymer on the Performances of Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 598, 120-128.	0.9	1
32	Single and dual-gate organic field-effect transistors based on diketopyrrolopyrrole-diethienothiophene polymers: performance modulation via dielectric interfaces. Materials Research Express, 2021, 8, 096301.	1.6	1
33	Sensors: A Highly Sensitive Diketopyrrolopyrroleâ€Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers (Adv. Mater. 21/2016). Advanced Materials, 2016, 28, 4163-4163.	21.0	0
34	Conjugated 1,8-Naphthalimide Based Solution Processable n-Type Semiconductors for Organic Electronics. , 0, , .		0