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Donor-acceptor conjugated polymer based on naphtho[1,2-c:5,6-c]bis[1,2,5]thiadiazole for high-performance polymer solar cells

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#	Paper	IF	Citations
578	Computer-Aided Screening of Conjugated Polymers for Organic Solar Cell: Classification by Random Forest.		
577	Anchoring Fullerene onto Perovskite Film via Grafting Pyridine toward Enhanced Electron Transport in High-Efficiency Solar Cells.		
576	Application of an AAA-Containing Acceptor Polymer in Sequentially Deposited All-Polymer Solar Cells.		
575	Fluorinated Thieno[2,3:4,5]benzo[1,2d][1,2,3]triazole: New Acceptor Unit To Construct Polymer Donors.		
574	Wide-Linear-Dynamic-Range Polymer Photodiode with a New Benzo[1,2b:4,5b]dithiophene-Copolymer: The Role of Crystalline Orientation.		
573	Ladder-Type Nonacyclic Structure Consisting of Alternate Thiophene and Benzene Units for Efficient Conventional and Inverted Organic Photovoltaics. <i>Chemistry of Materials</i> , 2011 , 23, 5068-5075	9.6	56
572	Photovoltaic Performance Improvement of D π A Copolymers Containing Bithiazole Acceptor Unit by Using Bithiophene Bridges. <i>Macromolecules</i> , 2011 , 44, 8798-8804	5.5	58
571	A furan-bridged D- π A copolymer with deep HOMO level: synthesis and application in polymer solar cells. <i>Polymer Chemistry</i> , 2011 , 2, 2872	4.9	67
570	Downwards tuning the HOMO level of polythiophene by carboxylate substitution for high open-circuit-voltage polymer solar cells. <i>Polymer Chemistry</i> , 2011 , 2, 2900	4.9	54
569	Siloxane-terminated solubilizing side chains: bringing conjugated polymer backbones closer and boosting hole mobilities in thin-film transistors. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20130-3	16.4	582
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114	High-performance photovoltaics by double-charge transporters using graphenic nanosheets and triisopropylsilylethynyl/naphthothiadiazole moieties. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 68, 293-300	6.3	10
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4	A Mini Review on the Development of Conjugated Polymers: Steps towards the Commercialization of Organic Solar Cells. 2023 , 15, 164		2

- 3 Direct Synthesis of Benzo[b]fluorenyl Thiophosphates via Tandem Cyclization of Diynols with (RO)₂P(O)SH. **2023**, 25, 1263-1267 ○
- 2 A Cyano-Substituted Organoboron Electron-deficient Building Block for D-A Type Conjugated Polymers. ○
- 1 A low-bandgap polymer bearing the N -octyl -2,7-dithia-5-azacyclopenta[β]pentalene-4,6-dione electron-withdrawing unit. ○