

# Yang Han

## List of Publications by Year in descending order

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23  
papers

1,928  
citations

430874

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	$\Gamma_{\pm}, \Gamma_2$ -Unsubstituted <i>meso</i> -positioning thienyl BODIPY: a promising electron deficient building block for the development of near infrared (NIR) p-type donor-acceptor (D-A) conjugated polymers. Journal of Materials Chemistry C, 2018, 6, 4030-4040.	5.5	22
2	Anion-induced N-doping of naphthalenediimide polymer semiconductor in organic thin-film transistors. Npj Flexible Electronics, 2018, 2, .	10.7	32
3	Alkylated indacenodithieno[3,2- <i>b</i> ]thiophene-based all donor ladder-type conjugated polymers for organic thin film transistors. Journal of Materials Chemistry C, 2018, 6, 2004-2009.	5.5	18
4	An Alkylated Indacenodithieno[3,2- <i>b</i> ]thiophene-Based Nonfullerene Acceptor with High Crystallinity Exhibiting Single Junction Solar Cell Efficiencies Greater than 13% with Low Voltage Losses. Advanced Materials, 2018, 30, 1705209.	21.0	474
5	Solution-Processed In <sub>2</sub> O <sub>3</sub> /ZnO Heterojunction Electron Transport Layers for Efficient Organic Bulk Heterojunction and Inorganic Colloidal Quantum Dot Solar Cells. Solar Rrl, 2018, 2, 1800076.	5.8	34
6	Recent Progress in High-Mobility Organic Transistors: A Reality Check. Advanced Materials, 2018, 30, e1801079.	21.0	498
7	The Influence of Backbone Fluorination on the Dielectric Constant of Conjugated Polythiophenes. Advanced Electronic Materials, 2018, 4, 1700375.	5.1	17
8	Cyano substituted benzotriazole based polymers for use in organic solar cells. Journal of Materials Chemistry A, 2017, 5, 6465-6470.	10.3	26
9	Alternating 5,5-Dimethylcyclopentadiene and Diketopyrrolopyrrole Copolymer Prepared at Room Temperature for High Performance Organic Thin-Film Transistors. Journal of the American Chemical Society, 2017, 139, 8094-8097.	13.7	49
10	Alkylated Selenophene-Based Ladder-Type Monomers via a Facile Route for High-Performance Thin-Film Transistor Applications. Journal of the American Chemical Society, 2017, 139, 8552-8561.	13.7	105
11	An Air-Stable Semiconducting Polymer Containing Dithieno[3,2- <i>b</i> :2',3'- <i>d</i> ]arsole. Angewandte Chemie - International Edition, 2016, 55, 7148-7151.	13.8	56
12	A Novel Alkylated Indacenodithieno[3,2- <i>b</i> ]thiophene-Based Polymer for High-Performance Field-Effect Transistors. Advanced Materials, 2016, 28, 3922-3927.	21.0	117
13	Doping of Large Ionization Potential Indenopyrazine Polymers via Lewis Acid Complexation with Tris(pentafluorophenyl)borane: A Simple Method for Improving the Performance of Organic Thin-Film Transistors. Chemistry of Materials, 2016, 28, 8016-8024.	6.7	53
14	Vinylene-Linked Oligothiophene-Difluorobenzothiadiazole Copolymer for Transistor Applications. ACS Applied Materials & Interfaces, 2016, 8, 31154-31165.	8.0	14
15	An Air-Stable Semiconducting Polymer Containing Dithieno[3,2- <i>b</i> :2',3'- <i>d</i> ]arsole. Angewandte Chemie, 2016, 128, 7264-7267.	2.0	15
16	Influence of the heteroatom on the optoelectronic properties and transistor performance of soluble thiophene-, selenophene- and tellurophene-vinylene copolymers. Chemical Science, 2016, 7, 1093-1099.	7.4	84
17	Using Molecular Design to Increase Hole Transport: Backbone Fluorination in the Benchmark Material		

#	ARTICLE	IF	CITATIONS
19	Novel soluble thieno[3,2-b]thiophene fused porphyrazine. RSC Advances, 2015, 5, 90645-90650.	3.6	3
20	Diselenogermole as a novel donor monomer for low band gap polymers. Journal of Materials Chemistry A, 2015, 3, 1986-1994.	10.3	19
21	Cyano substituted benzothiadiazole: a novel acceptor inducing n-type behaviour in conjugated polymers. Journal of Materials Chemistry C, 2015, 3, 265-275.	5.5	89
22	Polythiophenes with vinylene linked <i>ortho</i> , <i>meta</i> and <i>para</i> -carborane sidechains. Polymer Chemistry, 2014, 5, 6190-6199.	3.9	23
23	Influence of Side-Chain Regiochemistry on the Transistor Performance of High-Mobility, All-Donor Polymers. Journal of the American Chemical Society, 2014, 136, 15154-15157.	13.7	97