

# Hung Phan

## List of Publications by Citations

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29  
papers

1,417  
citations

16  
h-index

30  
g-index

30  
ext. papers

1,539  
ext. citations

14.6  
avg, IF

4.45  
L-index

#	Paper	IF	Citations
29	High-mobility field-effect transistors fabricated with macroscopic aligned semiconducting polymers. <i>Advanced Materials</i> , <b>2014</b> , 26, 2993-8	24	481
28	Competitive Absorption and Inefficient Exciton Harvesting: Lessons Learned from Bulk Heterojunction Organic Photovoltaics Utilizing the Polymer Acceptor P(NDI2OD-T2). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6989-6998	15.6	120
27	Miniature Soft Electromagnetic Actuators for Robotic Applications. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800244	15.6	86
26	Unraveling the cooperative synergy of zero-dimensional graphene quantum dots and metal nanocrystals enabled by layer-by-layer assembly. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1700-1713	13	77
25	Direct observation of doping sites in temperature-controlled, p-doped P3HT thin films by conducting atomic force microscopy. <i>Advanced Materials</i> , <b>2014</b> , 26, 6069-73	24	77
24	Effects of stereoisomerism on the crystallization behavior and optoelectrical properties of conjugated molecules. <i>Advanced Materials</i> , <b>2013</b> , 25, 3645-50	24	73
23	High Mobility Organic Field-Effect Transistors from Majority Insulator Blends. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1256-1260	9.6	66
22	Electrical Instability Induced by Electron Trapping in Low-Bandgap Donor-Acceptor Polymer Field-Effect Transistors. <i>Advanced Materials</i> , <b>2015</b> , 27, 7004-9	24	65
21	Fluorine substitution influence on benzo[2,1,3]thiadiazole based polymers for field-effect transistor applications. <i>Chemical Communications</i> , <b>2016</b> , 52, 3207-10	5.8	48
20	Electrical Double-Slope Nonideality in Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707221	15.6	45
19	Understanding TiO(2) size-dependent electron transport properties of a graphene-TiO(2) photoanode in dye-sensitized solar cells using conducting atomic force microscopy. <i>Advanced Materials</i> , <b>2013</b> , 25, 6900-4	24	41
18	Hole Mobility and Electron Injection Properties of D-A Conjugated Copolymers with Fluorinated Phenylene Acceptor Units. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603830	24	40
17	Biofilm as a redox conductor: a systematic study of the moisture and temperature dependence of its electrical properties. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 17815-21	3.6	35
16	Fullerene Additives Convert Ambipolar Transport to p-Type Transport while Improving the Operational Stability of Organic Thin Film Transistors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4472-4480	15.6	31
15	Improving Electrical Stability and Ideality in Organic Field-Effect Transistors by the Addition of Fullerenes: Understanding the Working Mechanism. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701358	15.6	20
14	Enhancement of the photoresponse in organic field-effect transistors by incorporating thin DNA layers. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 244-9	16.4	17
13	The importance of sulfonate to the self-doping mechanism of the water-soluble conjugated polyelectrolyte PCPDTBT-SO <sub>3</sub> K. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 3556-3566	7.8	16

12	Electron Transport and Nanomorphology in Solution-Processed Polymeric Semiconductor n-Doped with an Air-Stable Organometallic Dimer. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600546	6.4	13
11	Understanding the Device Physics in Polymer-Based Ionic-Organic Ratchets. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606464	24	11
10	Electronic properties of conjugated polyelectrolyte/single-walled carbon nanotube composites. <i>Advanced Materials</i> , <b>2014</b> , 26, 4697-703	24	10
9	Experimental and computational investigation of a green Knoevenagel condensation catalyzed by zeolitic imidazolate framework-8. <i>Environmental Research</i> , <b>2022</b> , 204, 112364	7.9	10
8	Tuning Optical Properties of Conjugated Molecules by Lewis Acids: Insights from Electronic Structure Modeling. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 4632-4638	6.4	8
7	Solution-Processed Ion-Free Organic Ratchets with Asymmetric Contacts. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804794	24	8
6	Twisted olefinic building blocks for low bandgap polymers in solar cells and ambipolar field-effect transistors. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 889-899	2.5	6
5	Structural and optoelectronic properties of hybrid bulk-heterojunction materials based on conjugated small molecules and mesostructured TiO <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2014</b> , 104, 233305	3.4	3
4	n-Type Ionic-Organic Electronic Ratchets for Energy Harvesting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 1081-1087	9.5	3
3	Mesomorphic Behavior in Silver(I) -(4-Pyridyl) Benzamide with Aromatic $\pi$ -Stacking Counterions. <i>Materials</i> , <b>2018</b> , 11,	3.5	1
2	Semiconductor Blends: Fullerene Additives Convert Ambipolar Transport to p-Type Transport while Improving the Operational Stability of Organic Thin Film Transistors (Adv. Funct. Mater. 25/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4616-4616	15.6	
1	Crystallization: Effects of Stereoisomerism on the Crystallization Behavior and Optoelectrical Properties of Conjugated Molecules (Adv. Mater. 27/2013). <i>Advanced Materials</i> , <b>2013</b> , 25, 3618-3618	24	