Hung Phan

List of Publications by Year in Descending Order

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	Experimental and computational investigation of a green Knoevenagel condensation catalyzed by zeolitic imidazolate framework-8. *Environmental Research*, **2022**, 204, 112364	7.9	10
28	The importance of sulfonate to the self-doping mechanism of the water-soluble conjugated polyelectrolyte PCPDTBT-SO3K. *Materials Chemistry Frontiers*, **2020**, 4, 3556-3566	7.8	16
27	Tuning Optical Properties of Conjugated Molecules by Lewis Acids: Insights from Electronic Structure Modeling. *Journal of Physical Chemistry Letters*, **2019**, 10, 4632-4638	6.4	8
26	n-Type Ionic-Organic Electronic Ratchets for Energy Harvesting. *ACS Applied Materials & Interfaces*, **2019**, 11, 1081-1087	9.5	3
25	Electrical Double-Slope Nonideality in Organic Field-Effect Transistors. *Advanced Functional Materials*, **2018**, 28, 1707221	15.6	45
24	Miniature Soft Electromagnetic Actuators for Robotic Applications. *Advanced Functional Materials*, **2018**, 28, 1800244	15.6	86
23	Unraveling the cooperative synergy of zero-dimensional graphene quantum dots and metal nanocrystals enabled by layer-by-layer assembly. *Journal of Materials Chemistry A*, **2018**, 6, 1700-1713	13	77
22	Mesomorphic Behavior in Silver(I) -(4-Pyridyl) Benzamide with Aromatic π-Stacking Counterions. *Materials*, **2018**, 11,	3.5	1
21	Solution-Processed Ion-Free Organic Ratchets with Asymmetric Contacts. *Advanced Materials*, **2018**, 30, e1804794	24	8
20	Electron Transport and Nanomorphology in Solution-Processed Polymeric Semiconductor n-Doped with an Air-Stable Organometallic Dimer. *Advanced Electronic Materials*, **2017**, 3, 1600546	6.4	13
19	Understanding the Device Physics in Polymer-Based Ionic-Organic Ratchets. *Advanced Materials*, **2017**, 29, 1606464	24	11
18	Hole Mobility and Electron Injection Properties of D-A Conjugated Copolymers with Fluorinated Phenylene Acceptor Units. *Advanced Materials*, **2017**, 29, 1603830	24	40
17	Improving Electrical Stability and Ideality in Organic Field-Effect Transistors by the Addition of Fullerenes: Understanding the Working Mechanism. *Advanced Functional Materials*, **2017**, 27, 1701358	15.6	20
16	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). *Advanced Functional Materials*, **2016**, 26, 4616-4616	15.6	
15	Biofilm as a redox conductor: a systematic study of the moisture and temperature dependence of its electrical properties. *Physical Chemistry Chemical Physics*, **2016**, 18, 17815-21	3.6	35
14	Fullerene Additives Convert Ambipolar Transport to p-Type Transport while Improving the Operational Stability of Organic Thin Film Transistors. *Advanced Functional Materials*, **2016**, 26, 4472-4480	15.6	31
13	Fluorine substitution influence on benzo[2,1,3]thiadiazole based polymers for field-effect transistor applications. *Chemical Communications*, **2016**, 52, 3207-10	5.8	48

12	High Mobility Organic Field-Effect Transistors from Majority Insulator Blends. *Chemistry of Materials*, **2016**, 28, 1256-1260	9.6	66
11	Twisted olefinic building blocks for low bandgap polymers in solar cells and ambipolar field-effect transistors. *Journal of Polymer Science Part A*, **2016**, 54, 889-899	2.5	6
10	Electrical Instability Induced by Electron Trapping in Low-Bandgap Donor-Acceptor Polymer Field-Effect Transistors. *Advanced Materials*, **2015**, 27, 7004-9	24	65
9	Electronic properties of conjugated polyelectrolyte/single-walled carbon nanotube composites. *Advanced Materials*, **2014**, 26, 4697-703	24	10
8	High-mobility field-effect transistors fabricated with macroscopic aligned semiconducting polymers. *Advanced Materials*, **2014**, 26, 2993-8	24	481
7	Competitive Absorption and Inefficient Exciton Harvesting: Lessons Learned from Bulk Heterojunction Organic Photovoltaics Utilizing the Polymer Acceptor P(NDI2OD-T2). *Advanced Functional Materials*, **2014**, 24, 6989-6998	15.6	120
6	Direct observation of doping sites in temperature-controlled, p-doped P3HT thin films by conducting atomic force microscopy. *Advanced Materials*, **2014**, 26, 6069-73	24	77
5	Enhancement of the photoresponse in organic field-effect transistors by incorporating thin DNA layers. *Angewandte Chemie - International Edition*, **2014**, 53, 244-9	16.4	17
4	Structural and optoelectronic properties of hybrid bulk-heterojunction materials based on conjugated small molecules and mesostructured TiO2. *Applied Physics Letters*, **2014**, 104, 233305	3.4	3
3	Understanding TiO(2) size-dependent electron transport properties of a graphene-TiO(2) photoanode in dye-sensitized solar cells using conducting atomic force microscopy. *Advanced Materials*, **2013**, 25, 6900-4	24	41
2	Effects of stereoisomerism on the crystallization behavior and optoelectrical properties of conjugated molecules. *Advanced Materials*, **2013**, 25, 3645-50	24	73
1	Crystallization: Effects of Stereoisomerism on the Crystallization Behavior and Optoelectrical Properties of Conjugated Molecules (Adv. Mater. 27/2013). *Advanced Materials*, **2013**, 25, 3618-3618	24	