

Ping-Hsun Chu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

949
citations

686830

13
h-index

996533

15
g-index

16
all docs

16
docs citations

16
times ranked

1624
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastomer-Polymer Semiconductor Blends for High-Performance Stretchable Charge Transport Networks. <i>Chemistry of Materials</i> , 2016, 28, 1196-1204.	3.2	129
2	Nucleation, Growth, and Alignment of Poly(3-hexylthiophene) Nanofibers for High-Performance OFETs. <i>Accounts of Chemical Research</i> , 2017, 50, 932-942.	7.6	121
3	Enhancing Field-Effect Mobility of Conjugated Polymers Through Rational Design of Branched Side Chains. <i>Advanced Functional Materials</i> , 2014, 24, 3734-3744.	7.8	112
4	Microfluidic Crystal Engineering of π -Conjugated Polymers. <i>ACS Nano</i> , 2015, 9, 8220-8230.	7.3	102
5	Versatile Interpenetrating Polymer Network Approach to Robust Stretchable Electronic Devices. <i>Chemistry of Materials</i> , 2017, 29, 7645-7652.	3.2	101
6	Molecular Engineering of Nonhalogenated Solution-Processable Bithiazole-Based Electron-Transport Polymeric Semiconductors. <i>Chemistry of Materials</i> , 2015, 27, 2928-2937.	3.2	79
7	Toward Precision Control of Nanofiber Orientation in Conjugated Polymer Thin Films: Impact on Charge Transport. <i>Chemistry of Materials</i> , 2016, 28, 9099-9109.	3.2	75
8	Synergistic Effect of Regioregular and Regiorandom Poly(3-hexylthiophene) Blends for High Performance Flexible Organic Field Effect Transistors. <i>Advanced Electronic Materials</i> , 2016, 2, 1500384.	2.6	54
9	Anisotropic Assembly of Conjugated Polymer Nanocrystallites for Enhanced Charge Transport. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21541-21549.	4.0	42
10	Best Practices for Reporting Organic Field Effect Transistor Device Performance. <i>Chemistry of Materials</i> , 2015, 27, 4167-4168.	3.2	39
11	High-Throughput Image Analysis of Fibrillar Materials: A Case Study on Polymer Nanofiber Packing, Alignment, and Defects in Organic Field Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36090-36102.	4.0	31
12	Conjugated Polymer Alignment: Synergisms Derived from Microfluidic Shear Design and UV Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24761-24772.	4.0	26
13	Enhanced Mobility and Effective Control of Threshold Voltage in P3HT-Based Field-Effect Transistors via Inclusion of Oligothiophenes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6652-6660.	4.0	23
14	Polypeptide Composite Particle-Assisted Organization of π -Conjugated Polymers into Highly Crystalline "Coffee Stains". <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34337-34348.	4.0	10
15	Polypeptide-Assisted Organization of π -Conjugated Polymers into Responsive, Soft 3D Networks. <i>Chemistry of Materials</i> , 2017, 29, 5058-5062.	3.2	4
16	Flexible Ofets: Synergistic Effect of Regioregular and Regiorandom Poly(3-hexylthiophene) Blends for High Performance Flexible Organic Field Effect Transistors (<i>Adv. Electron. Mater.</i> 2/2016). <i>Advanced Electronic Materials</i> , 2016, 2, .	2.6	1