

Nils E Persson

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

912
citations

686830

13
h-index

940134

16
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17
all docs

17
docs citations

17
times ranked

1440
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	Ordering of Poly(3-hexylthiophene) in Solutions and Films: Effects of Fiber Length and Grain Boundaries on Anisotropy and Mobility. <i>Chemistry of Materials</i> , 2016, 28, 3905-3913.	3.2	103
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	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
7	Automated Analysis of Orientational Order in Images of Fibrillar Materials. <i>Chemistry of Materials</i> , 2017, 29, 3-14.	3.2	57
8	Photoinduced Anisotropic Assembly of Conjugated Polymers in Insulating Polymer Blends. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14095-14103.	4.0	49
9	<i>In Situ</i> Observation of Alignment Templating by Seed Crystals in Highly Anisotropic Polymer Transistors. <i>Chemistry of Materials</i> , 2019, 31, 4133-4147.	3.2	40
10	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
11	Conversion of glycerol to light olefins and gasoline precursors. <i>Applied Catalysis A: General</i> , 2014, 475, 10-15.	2.2	24
12	Solving Materials' Small Data Problem with Dynamic Experimental Databases. <i>Processes</i> , 2018, 6, 79.	1.3	18
13	Silicon Valley meets the ivory tower: Searchable data repositories for experimental nanomaterials research. <i>Current Opinion in Solid State and Materials Science</i> , 2016, 20, 338-343.	5.6	14
14	Fractal Dimension Invariant Filtering and Its CNN-Based Implementation. , 2017, , .		14
15	A Polymer Blend Approach for Creation of Effective Conjugated Polymer Charge Transport Pathways. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36464-36474.	4.0	14
16	Rapid Ablative Pyrolysis of Cellulose in an Autothermal Fixed-Bed Catalytic Reactor. <i>ChemSusChem</i> , 2010, 3, 1355-1358.	3.6	11
17	On-line deoxygenation of cellulose pyrolysis vapors in a staged autothermal reactor. <i>RSC Advances</i> , 2013, 3, 20163.	1.7	9