

Tae Hoon Lee

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,383
citations

933447

10
h-index

1125743

13
g-index

13
all docs

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docs citations

13
times ranked

2702
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution coating of large-area organic semiconductor thin films with aligned single-crystalline domains. <i>Nature Materials</i> , 2013, 12, 665-671.	27.5	881
2	Structural and Electrical Investigation of C ₆₀ -Graphene Vertical Heterostructures. <i>ACS Nano</i> , 2015, 9, 5922-5928.	14.6	151
3	Significance of the double-layer capacitor effect in polar rubbery dielectrics and exceptionally stable low-voltage high transconductance organic transistors. <i>Scientific Reports</i> , 2015, 5, 17849.	3.3	66
4	Large-area formation of self-aligned crystalline domains of organic semiconductors on transistor channels using CONNECT. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5561-5566.	7.1	62
5	Epitaxially Grown Strained Pentacene Thin Film on Graphene Membrane. <i>Small</i> , 2015, 11, 2037-2043.	10.0	53
6	Chemical Vapor-Deposited Hexagonal Boron Nitride as a Scalable Template for High-Performance Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2017, 29, 2341-2347.	6.7	52
7	A highly permselective electrochemical glucose sensor using red blood cell membrane. <i>Biosensors and Bioelectronics</i> , 2018, 102, 617-623.	10.1	48
8	Inorganic Polymer Micropillar-Based Solution Shearing of Large-Area Organic Semiconductor Thin Films with Pillar-Size-Dependent Crystal Size. <i>Advanced Materials</i> , 2018, 30, e1800647.	21.0	24
9	<i>p</i> -Channel Field-Effect Transistors Based on C ₆₀ Doped with Molybdenum Trioxide. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2337-2341.	8.0	22
10	Optimized Activation of Solution-Processed Amorphous Oxide Semiconductors for Flexible Transparent Conductive Electrodes. <i>Advanced Electronic Materials</i> , 2018, 4, 1700386.	5.1	12
11	Sputtered PdO Decorated TiO ₂ Sensing Layer for a Hydrogen Gas Sensor. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-8.	2.7	6
12	Solution Shearing: Inorganic Polymer Micropillar-Based Solution Shearing of Large-Area Organic Semiconductor Thin Films with Pillar-Size-Dependent Crystal Size (<i>Adv. Mater.</i> 29/2018). <i>Advanced Materials</i> , 2018, 30, 1870216.	21.0	2