

Taesu Kim

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6202934/taesu-kim-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

1,887
citations

15
h-index

20
g-index

20
ext. papers

2,035
ext. citations

13.6
avg, IF

4.67
L-index

#	Paper	IF	Citations
16	Flexible, highly efficient all-polymer solar cells. <i>Nature Communications</i> , 2015 , 6, 8547	17.4	638
15	From Fullerene-Polymer to All-Polymer Solar Cells: The Importance of Molecular Packing, Orientation, and Morphology Control. <i>Accounts of Chemical Research</i> , 2016 , 49, 2424-2434	24.3	351
14	High-performance all-polymer solar cells via side-chain engineering of the polymer acceptor: the importance of the polymer packing structure and the nanoscale blend morphology. <i>Advanced Materials</i> , 2015 , 27, 2466-71	24	259
13	Comparative Study of Thermal Stability, Morphology, and Performance of All-Polymer, Fullerene-Polymer, and Ternary Blend Solar Cells Based on the Same Polymer Donor. <i>Macromolecules</i> , 2017 , 50, 6861-6871	5.5	103
12	Correlation between Phase-Separated Domain Sizes of Active Layer and Photovoltaic Performances in All-Polymer Solar Cells. <i>Macromolecules</i> , 2016 , 49, 5051-5058	5.5	80
11	Comparative Study of the Mechanical Properties of All-Polymer and Fullerene-Polymer Solar Cells: The Importance of Polymer Acceptors for High Fracture Resistance. <i>Chemistry of Materials</i> , 2018 , 30, 2102-2111	9.6	65
10	Au@polymer core-shell nanoparticles for simultaneously enhancing efficiency and ambient stability of organic optoelectronic devices. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16956-65	9.5	64
9	Design of Cyanovinylene-Containing Polymer Acceptors with Large Dipole Moment Change for Efficient Charge Generation in High-Performance All-Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1701436	21.8	59
8	Importance of 2D Conjugated Side Chains of Benzodithiophene-Based Polymers in Controlling Polymer Packing, Interfacial Ordering, and Composition Variations of All-Polymer Solar Cells. <i>Chemistry of Materials</i> , 2017 , 29, 9407-9415	9.6	57
7	Impact of the photo-induced degradation of electron acceptors on the photophysics, charge transport and device performance of all-polymer and fullerene-polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22170-22179	13	57
6	Mechanically robust and high-performance ternary solar cells combining the merits of all-polymer and fullerene blends. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4494-4503	13	43
5	Improved Internal Quantum Efficiency and Light-Extraction Efficiency of Organic Light-Emitting Diodes via Synergistic Doping with Au and Ag Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27911-27919	9.5	33
4	Synthesis and side-chain engineering of phenylnaphthalenediimide (PNDI)-based n-type polymers for efficient all-polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5449-5459	13	26
3	Terpolymer approach for controlling the crystalline behavior of naphthalene diimide-based polymer acceptors and enhancing the performance of all-polymer solar cells. <i>Polymer Journal</i> , 2016 , 48, 517-524	2.7	23
2	Simultaneously Enhancing Light Extraction and Device Stability of Organic Light-Emitting Diodes using a Corrugated Polymer Nanosphere Templated PEDOT:PSS Layer. <i>Advanced Energy Materials</i> , 2014 , 4, 1301345	21.8	15
1	Impact of highly crystalline, isoindigo-based small-molecular additives for enhancing the performance of all-polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21291-21299	13	12