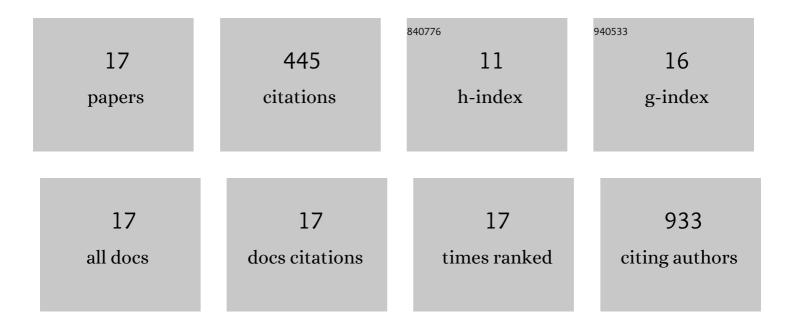
## Jungwoo Heo

List of Publications by Year in descending order

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LUNCWOO HEO

#	Article	IF	CITATIONS
1	Designing a naphthyridinedione-based conjugated polymer for thickness-tolerant high efficiency polymer solar cells. Journal of Materials Chemistry A, 2021, 9, 10846-10854.	10.3	7
2	Modeling and implementation of tandem polymer solar cells using wideâ€bandgap front cells. , 2020, 2, 131-142.		9
3	High colloidal stability ZnO nanoparticles independent on solvent polarity and their application in polymer solar cells. Scientific Reports, 2020, 10, 18055.	3.3	25
4	Defect-Induced <i>in Situ</i> Atomic Doping in Transition Metal Dichalcogenides via Liquid-Phase Synthesis toward Efficient Electrochemical Activity. ACS Nano, 2020, 14, 17114-17124.	14.6	26
5	Functionalized PFN-X (X = Cl, Br, or I) for Balanced Charge Carriers of Highly Efficient Blue Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 35740-35747.	8.0	31
6	Morphological and Optical Engineering for High-Performance Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 4705-4711.	8.0	6
7	Synergistic combination of amorphous indium oxide with tantalum pentoxide for efficient electron transport in low-power electronics. Journal of Materials Chemistry C, 2019, 7, 4559-4566.	5.5	6
8	Influence of the Crystalline Nature of Small Donors Molecules on the Efficiency and Stability of Organic Photovoltaic Devices. Solar Rrl, 2018, 2, 1700235.	5.8	11
9	Highly efficient polymer solar cells with a thienopyrroledione and benzodithiophene containing planar random copolymer. Polymer Chemistry, 2018, 9, 1216-1222.	3.9	19
10	Nanoparticleâ€Enhanced Silverâ€Nanowire Plasmonic Electrodes for Highâ€Performance Organic Optoelectronic Devices. Advanced Materials, 2018, 30, e1800659.	21.0	67
11	Formamidinium-based planar heterojunction perovskite solar cells with alkali carbonate-doped zinc oxide layer. RSC Advances, 2018, 8, 24110-24115.	3.6	10
12	Implementation of Lowâ€Power Electronic Devices Using Solutionâ€Processed Tantalum Pentoxide Dielectric. Advanced Functional Materials, 2018, 28, 1704215.	14.9	17
13	A universal processing additive for high-performance polymer solar cells. RSC Advances, 2017, 7, 7476-7482.	3.6	58
14	Efficiency Exceeding 11% in Tandem Polymer Solar Cells Employing High Openâ€Circuit Voltage Wideâ€Bandgap Ï€â€Conjugated Polymers. Advanced Energy Materials, 2017, 7, 1700782.	19.5	24
15	Peroptronic devices: perovskite-based light-emitting solar cells. Energy and Environmental Science, 2017, 10, 1950-1957.	30.8	41
16	Photocurrent Extraction Efficiency near Unity in a Thick Polymer Bulk Heterojunction. Advanced Functional Materials, 2016, 26, 3324-3330.	14.9	48
17	Dithienogermoleâ€Containing Smallâ€Molecule Solar Cells with 7.3% Efficiency: Inâ€Depth Study on the Effects of Heteroatom Substitution of Si with Ge. Advanced Energy Materials, 2015, 5, 1402044.	19.5	40