

# Jinyoung Hwang

## List of Publications by Year in descending order

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17  
papers

345  
citations

1040056

9  
h-index

1281871

11  
g-index

17  
all docs

17  
docs citations

17  
times ranked

651  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the electrical resistivity of polymer composites with segregated structures. Nature Communications, 2019, 10, 2537.	12.8	94
2	Influence of polyvinylpyrrolidone (PVP) capping layer on silver nanowire networks: theoretical and experimental studies. RSC Advances, 2016, 6, 30972-30977.	3.6	63
3	Electrically tunable two-dimensional metasurfaces at near-infrared wavelengths. Optics Express, 2017, 25, 25071.	3.4	42
4	Analysis of the intermediate-band absorption properties of type-II GaSb/GaAs quantum-dot photovoltaics. Physical Review B, 2017, 96, .	3.2	32
5	The disintegration of GaSb/GaAs nanostructures upon capping. Applied Physics Letters, 2013, 102, .	3.3	26
6	Novel transparent conductor with enhanced conductivity: hybrid of silver nanowires and dual-doped graphene. Applied Surface Science, 2017, 419, 63-69.	6.1	24
7	Three-Bandgap Absolute Quantum Efficiency in GaSb/GaAs Quantum Dot Intermediate Band Solar Cells. IEEE Journal of Photovoltaics, 2017, 7, 508-512.	2.5	21
8	Computational characterization and control of electrical conductivity of nanowire composite network under mechanical deformation. Scientific Reports, 2018, 8, 16617.	3.3	13
9	Demonstration of a $G \frac{aS}{b}$ Quantum Dot Intermediate Band Solar Cell Operating at Maximum Power Point. Physical Review Letters, 2020, 125, 247703.	7.8	11
10	In Situ Photoelectron Spectroscopy Study on the Buffer Role of Multiwalled Carbon Nanotubes against Thermal Degradation in Organic Conducting Composite Films with PEDOT:PSS. Journal of Physical Chemistry C, 2019, 123, 2238-2247.	3.1	9
11	Preserving voltage and long wavelength photoresponse in GaSb/GaAs quantum dot solar cells. , 2013, , .		5
12	Indoor photovoltaic energy harvesting for mm-scale systems. , 2014, , .		3
13	Numerical Characterization for Electrical Conductivity of Two-Dimensional Nanocomposite Systems with Conducting Fiber Fillers. Materials, 2020, 13, 2410.	2.9	2
14	Notice of Removal Three-bandgap absolute quantum efficiency in intermediate band solar cells. , 2017, , .		0
15	Band Alignment Transition from Type I to Type II of InP/In <sub>0.48</sub> Ga <sub>0.52</sub> P quantum Dots. , 2018, , .		0
16	A unified modeling framework for explaining the electrical resistivity trend of composites with nanostructures. , 2020, , .		0
17	Novel Design of a Ternary-CMOS With Vertical-Channel Double-Gate Field-Effect Transistors. IEEE Transactions on Electron Devices, 2022, 69, 4081-4087.	3.0	0