

Jinyoung Hwang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Demonstration of a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mrow}\langle \text{mml:mtext}G\langle \text{mml:mtext}\rangle \langle \text{mml:mtext}aS\langle \text{mml:mtext}\rangle \langle \text{mml:mtext}b\langle \text{mml:mtext}\rangle \langle \text{mml:mo}\rangle \langle \text{mml:mtext} \rangle \rangle \rangle \rangle$ Quantum Dot Intermediate Band Solar Cell Operating at Maximum Power Point. Physical Review Letters, 2020, 125, 247703.	7.8	11
3	Numerical Characterization for Electrical Conductivity of Two-Dimensional Nanocomposite Systems with Conducting Fiber Fillers. Materials, 2020, 13, 2410.	2.9	2
4	A unified modeling framework for explaining the electrical resistivity trend of composites with nanostructures. , 2020, , .		0
5	Modeling the electrical resistivity of polymer composites with segregated structures. Nature Communications, 2019, 10, 2537.	12.8	94
6	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
7	Band Alignment Transition from Type I to Type II of InP/ $\text{In}_{0.48}\text{Ga}_{0.52}\text{P}$ quantum Dots. , 2018, , .		0
8	Computational characterization and control of electrical conductivity of nanowire composite network under mechanical deformation. Scientific Reports, 2018, 8, 16617.	3.3	13
9	Novel transparent conductor with enhanced conductivity: hybrid of silver nanowires and dual-doped graphene. Applied Surface Science, 2017, 419, 63-69.	6.1	24
10	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
11	Analysis of the intermediate-band absorption properties of type-II GaSb/GaAs quantum-dot photovoltaics. Physical Review B, 2017, 96, .	3.2	32
12	Electrically tunable two-dimensional metasurfaces at near-infrared wavelengths. Optics Express, 2017, 25, 25071.	3.4	42
13	Notice of Removal Three-bandgap absolute quantum efficiency in intermediate band solar cells. , 2017, , .		0
14	Influence of polyvinylpyrrolidone (PVP) capping layer on silver nanowire networks: theoretical and experimental studies. RSC Advances, 2016, 6, 30972-30977.	3.6	63
15	Indoor photovoltaic energy harvesting for mm-scale systems. , 2014, , .		3
16	Preserving voltage and long wavelength photoresponse in GaSb/GaAs quantum dot solar cells. , 2013, , .		5
17	The disintegration of GaSb/GaAs nanostructures upon capping. Applied Physics Letters, 2013, 102, .	3.3	26