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13% efficiency hybrid organic/silicon-nanowire heterojunction solar cell via interface engineering

DOI: 10.1021/nn403982b
ACS Nano, 2013, 7, 10780-7.

Source: <https://exaly.com/paper-pdf/55125493/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
186	High-Efficiency Silicon/Organic Heterojunction Solar Cells with Improved Junction Quality and Interface Passivation.		
185	Efficiency Enhancement of Silicon Heterojunction Solar Cells via Photon Management Using Graphene Quantum Dot as Downconverters.		
184	Buried MoOx/Ag Electrode Enables High-Efficiency Organic/Silicon Heterojunction Solar Cells with a High Fill Factor.		
183	Synthesis and high sensing properties of a single Pd-doped SnO ₂ nanoribbon. <i>Nanoscale Research Letters</i> , 2014 , 9, 503	5	17
182	Low dimensional optics. 2014 ,		
181	Enhanced photovoltaic performance of organic/silicon nanowire hybrid solar cells by solution-evacuated method. 2014 , 39, 3219-22		6
180	Hybrid silicon/P3HT solar cells based on an interfacial modification with a molecular thiophene layer. 2014 , 211, 2657-2661		5
179	Improved photovoltaic performance of hybrid solar cells based on silicon nanowire and P3HT. 2014 , 192, 74-81		21
178	Hole selective MoOx contact for silicon solar cells. 2014 , 14, 967-71		392
177	A 12%-efficient upgraded metallurgical grade silicon-organic heterojunction solar cell achieved by a self-purifying process. <i>ACS Nano</i> , 2014 , 8, 11369-76	16.7	57
176	Single Si nanowire (diameter \approx 100 nm) based polarization sensitive near-infrared photodetector with ultra-high responsivity. <i>Nanoscale</i> , 2014 , 6, 11232-9	7.7	75
175	13.8% Efficiency hybrid Si/organic heterojunction solar cells with MoO ₃ film as antireflection and inversion induced layer. <i>Advanced Materials</i> , 2014 , 26, 6007-12	24	149
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166	Transparent and conductive polysiloxanes/PEDOT:PSS nanocomposite thin films with a water-impermeable property to significantly enhance stability of organic/inorganic hybrid solar cells. 2015 , 5, 9650-9657		12
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164	Varying Surface Chemistries for p-Doped and n-Doped Silicon Nanocrystals and Impact on Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28207-14	9.5	14
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