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Publons / Web Of Science ResearcherID: AAB-1731-2020

ScopusID: 54890272300

Arařtırma Alanları

Enerji, Fizik, Fiziksel Kimya ve Kimyasal Fizik, Malzeme Bilimi, Mühendislik ve Teknoloji

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A Thienothiophene-Based Cation Treatment Allows Semitransparent Perovskite Solar Cells with Improved Efficiency and Stability**
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- II. **ZnO-SrAl₂O₄:Eu Nanocomposite-Based Optical Sensors for Luminescence Thermometry**
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- III. **Optical design of TCO-free interconnecting layer for all-perovskite tandem solar cells**
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- IV. **Maximizing the performance of single and multijunction MA and lead-free perovskite solar cell**
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- V. **Solvent selection for fabrication of low temperature ZnO electron transport layer in perovskite solar cells**
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- VIII. **A sequential condensation route as a versatile platform for low cost and efficient hole transport materials in perovskite solar cells**
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- IX. **The investigation of the unseen interrelationship of grain size, ionic defects, device physics and performance of perovskite solar cells**
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- X. **Role of Stabilizing Surfactants on Capacitance, Charge, and Ion Transport in Organic Nanoparticle-Based Electronic Devices**
Ameri M., Al-Mudhaffer M. F., Almyahi F., Fardell G. C., Marks M., Al-Ahmad A., Fahy A., Andersen T., Elkington D. C., Feron K., et al.
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- XI. **Low noise ultraviolet photodetector with over 100% enhanced lifetime based on polyfluorene copolymer and ZnO nanoparticles**
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- XII. **Self-Assembled ZnO Nanosheet-Based Spherical Structure as Photoanode in Dye-Sensitized Solar Cells**
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- XIII. **An alternate method to extract performance characteristics in dye sensitized solar cells**
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- XIV. **Organic/Organic Heterointerface Engineering to Boost Carrier Injection in OLEDs**
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- XV. **A modeling recipe to optimize the nanostructure excitonic Dye Sensitized Solar Cells (DSSCs)**
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- XVI. **Interfacial modification to optimize stainless steel photoanode design for flexible dye sensitized solar cells: an experimental and numerical modeling approach**
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- XIX. **A semi-empirical analysis of dye adsorption and electron transport in dye sensitized solar cells (DSSCs)**
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Metrikler

Yayın: 22

Atıf (WoS): 214

Atıf (Scopus): 198

H-İndeks (WoS): 10

H-İndeks (Scopus): 9