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Publications

2026
Jurnal internasional bereputasi

Bandgap-tunable ternary CdxZn1-xSe nanocrystals for high-efficiency sensitized solar cells

SITI UTARI RAHAYU , REKSI M SILABAN , Wen-Tzu Chiang , Ming-Way Lee , Patsorn Boon-On , Jen-Bin Shi

2025
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Chia-Yuan Chen , Ming-Way Lee , SITI UTARI RAHAYU

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Synthesis of Nano Carbon of Potatoes as Electrode for Environmentally Friendly Supercapacitor

DR. INDRI DAYANA S SI, M.Si , HABIB SATRIA , MORANAIN MUNGKIN , DADAN RAMDAN , MUHAMMAD FADLAN SIREGAR , SITI UTARI RAHAYU , JUNAIDI

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An In-depth Study of Relation Between Band Gap Energy and Lattice Constant for Cubic Phase LiSnX3 (X= F, Cl, Br, and I) Perosvkite

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Ming-Way Lee , Yu-Rou Wang , SITI UTARI RAHAYU

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Ming-Way Lee , SITI UTARI RAHAYU

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ZEOLITE/REDUCED GRAPHENE OXIDE (CS/PNZ/rGO)â€“BASED POLYMER ELECTROLYTE MEMBRANES

YUAN ALFINSYAH SIHOMBING , SUSILAWATI , SITI UTARI RAHAYU

2022
Monograf

Aplikasi Semikonduktor Wittichenite (Cu3BiS3) pada Sel Surya Tipe Quantum Dot-Sensitized Solar Cells (QD-SSCs)

SITI UTARI RAHAYU

2021
Monograf

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2020
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FABRICATION OF CHITOSAN/NATURAL ZEOLITE COMPOSITE-BASED POLYMER ELECTROLYTE MEMBRANES

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Papaya (Carica papaya L.) leaves extract as an inhibitor for brass in H2SO4 solution

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2020
Prosiding seminar internasional

The investigation of chemically deposited Cu3BiS3 into mesoporous TiO2 films for the application of semiconductor-sensitized solar cells

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2018
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Preliminary study on the fabrication of cellulose nanocomposite film from oil palm empty fruit bunches partially solved into licl/dmac with the variation of dissolution time

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2018
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Enhancing the quality of nata de coco starter by channeling the oxygen into the bioreactor through agitation method

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2018
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Eco-Friendly NaSbS2Quantum Dot-Sensitized Solar Cells

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2016
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Researches

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Penelitian Unggulan Perguruan Tinggi

Pengaruh Komposisi Reduced Grafena Oksida (rGO) dan Konsentrasi Methanol Terhadap Membran Polimer Elektrolit Kitosan-Zeolit Alam Pahae untuk Aplikasi Direct Methanol Fuel Cells (DMFC)

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SUSILAWATI , YUAN ALFINSYAH SIHOMBING , SITI UTARI RAHAYU , WINA RAHMADANI RANGKUTI

2021

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Semikonduktor Natrium Antimon Sulfat (NaSbS2) Sebagai Material Penyerap Cahaya Pada Quantum Dot-Sensitized Solar Cells (QDSSCs)

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