

Kişisel Bilgiler

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Transcriptome analysis of Rhodobacter capsulatus grown on different nitrogen sources**
Erkal N. A., Eser M. G., Ozgur E., GÜNDÜZ U., EROĞLU İ., Yucel M.
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- II. **Improved PEM fuel cell performance with hydrophobic catalyst layers**
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- III. **Three-dimensional non-isothermal model development of high temperature PEM Fuel Cells**
Caglayan D. G., Sezgin B., DEVRİM Y., Eroglu I.
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- IV. **Effective factors improving catalyst layers of PEM fuel cell**
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INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.23, ss.10779-10797, 2018 (SCI-Expanded)
- V. **Single-stage photofermentative biohydrogen production from sugar beet molasses by different purple non-sulfur bacteria**
Sagir E., Ozgur E., GÜNDÜZ U., Eroglu I., YÜCEL A. M.
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- VI. **Dark fermentative hydrogen production from sucrose and molasses**
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- VII. **Scale-up studies for stable, long-term indoor and outdoor production of hydrogen by immobilized Rhodobacter capsulatus**
Sagir E., ALIPOUR S., ELKAHLOUT K., KOKU H., GÜNDÜZ U., Eroglu I., YUCEL M.
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- VIII. **Facilitation of water management in low Pt loaded PEM fuel cell by creating hydrophobic microporous layer with PTFE, FEP and PDMS polymers: Effect of polymer and carbon amounts**
ÖZTÜRK A., FIÇICILAR B., Eroglu I., BAYRAKÇEKEN YURTCAN A.
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- IX. **Dynamic modeling of temperature change in outdoor operated tubular photobioreactors**
ANDROGA D. D., Uyar B., KOKU H., Eroglu I.
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- X. **Long-term biological hydrogen production by agar immobilized Rhodobacter capsulatus in a sequential batch photobioreactor**
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- XI. **A compact tubular photobioreactor for outdoor hydrogen production from molasses**
KAYAHAN E., Eroglu I., KOKU H.
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- XII. **Influence of FEP nanoparticles in catalyst layer on water management and performance of PEM fuel**

cell with high Pt loading

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- XIII. **Implementation and analysis of temperature control strategies for outdoor photobiological hydrogen production**
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- XIV. **Design of an outdoor stacked - tubular reactor for biological hydrogen production**
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- XV. **Preface to the special issue on "1st International Symposium on Materials for Energy Storage and Conversion ((ESC)-E-m-IS 2015)"**
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- XVI. **Modeling and sensitivity analysis of high temperature PEM fuel cells by using Comsol Multiphysics**
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- XVII. **Effect of PTFE nanoparticles in catalyst layer with high Pt loading on PEM fuel cell performance**
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- XVIII. **Three-dimensional modeling of a high temperature polymer electrolyte membrane fuel cell at different operation temperatures**
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- XIX. **Polybenzimidazole/SiO₂ hybrid membranes for high temperature proton exchange membrane fuel cells**
DEVRİM Y., Devrim H., Eroglu I.
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- XX. **Hydrogen production by hup(-) mutant and wild-type strains of Rhodobacter capsulatus from dark fermentation effluent of sugar beet thick juice in batch and continuous photobioreactors**
Uyar B., Gurgan M., Ozgur E., GÜNDÜZ U., YÜCEL A. M., Eroglu I.
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- XXI. **Development of 500 W PEM fuel cell stack for portable power generators**
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- XXII. **High performance PEM fuel cell catalyst layers with hydrophobic channels**
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- XXIV. **Flame retardancy and mechanical properties of pet-based composites containing phosphorus and boron-based additives**
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- XXV. **Transcriptional Profiling of Hydrogen Production Metabolism of Rhodobacter capsulatus under Temperature Stress by Microarray Analysis**
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- XXVI. **Investigation of the effects of initial substrate and biomass concentrations and light intensity on photofermentative hydrogen gas production by Response Surface Methodology**

- Akman M. C., ERGUDER T. H., GÜNDÜZ U., EROĞLU İ.
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- XXVII. **Model based temperature controller development for water cooled PEM fuel cell systems**
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- XXVIII. **Optimization of temperature and light intensity for improved photofermentative hydrogen production using Rhodobacter capsulatus DSM 1710**
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- XXIX. **Surfactant modified zinc borate synthesis and its effect on the properties of PET**
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- XXX. **Nafion/titanium silicon oxide nanocomposite membranes for PEM fuel cells**
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- XXXI. **Kinetics of hydrogen generation from hydrolysis of sodium borohydride on Pt/C catalyst in a flow reactor**
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- XXXII. **Kinetic analysis of photosynthetic growth, hydrogen production and dual substrate utilization by Rhodobacter capsulatus**
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- XXXIII. **Amelioration of photofermentative hydrogen production from molasses dark fermenter effluent by zeolite-based removal of ammonium ion**
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- XXXIV. **Biohydrogen production by Rhodobacter capsulatus Hup(-) mutant in pilot solar tubular photobioreactor**
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- XXXV. **Durability of PEM fuel cell electrocatalysts prepared by microwave irradiation technique**
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- XXXVII. **Photobiological hydrogen production from sugar beet molasses**
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- XXXIX. **Hydrogen production properties of Rhodobacter capsulatus with genetically modified redox balancing pathways**
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- XLII. **Hollow core mesoporous shell carbon supported Pt electrocatalysts with high Pt loading for PEMFCs**
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- XLIII. **Significance of carbon to nitrogen ratio on the long-term stability of continuous photofermentative hydrogen production**
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- XLIV. **Effect of inactivation of genes involved in ammonium regulation on the biohydrogen production of Rhodobacter capsulatus**
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- XLV. **Biohydrogen production in an outdoor panel photobioreactor on dark fermentation effluent of molasses**
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- XLVII. **Effect of iron and molybdenum addition on photofermentative hydrogen production from olive mill wastewater**
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- XLIX. **Scale-up synthesis of zinc borate from the reaction of zinc oxide and boric acid in aqueous medium**
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- L. **Pt incorporated hollow core mesoporous shell carbon nanocomposite catalyst for proton exchange membrane fuel cells**
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- LXIV. **Effect of Gas Diffusion Layer Characteristics and Addition of Pore-Forming Agents on the Performance of Polymer Electrolyte Membrane Fuel Cells**
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