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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Transcriptome analysis of *Rhodobacter capsulatus* grown on different nitrogen sources**
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ARCHIVES OF MICROBIOLOGY, vol.201, no.5, pp.661-671, 2019 (SCI-Expanded)
- 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**
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- IV. **Effective factors improving catalyst layers of PEM fuel cell**
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INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.23, pp.10779-10797, 2018 (SCI-Expanded)
- V. **Single-stage photofermentative biohydrogen production from sugar beet molasses by different purple non-sulfur bacteria**
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- VI. **Dark fermentative hydrogen production from sucrose and molasses**
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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**
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- IX. **Dynamic modeling of temperature change in outdoor operated tubular photobioreactors**
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- XI. **A compact tubular photobioreactor for outdoor hydrogen production from molasses**
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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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- 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**
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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**
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- XXI. **Development of 500 W PEM fuel cell stack for portable power generators**
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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**

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- XXX. **Nafion/titanium silicon oxide nanocomposite membranes for PEM fuel cells**
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