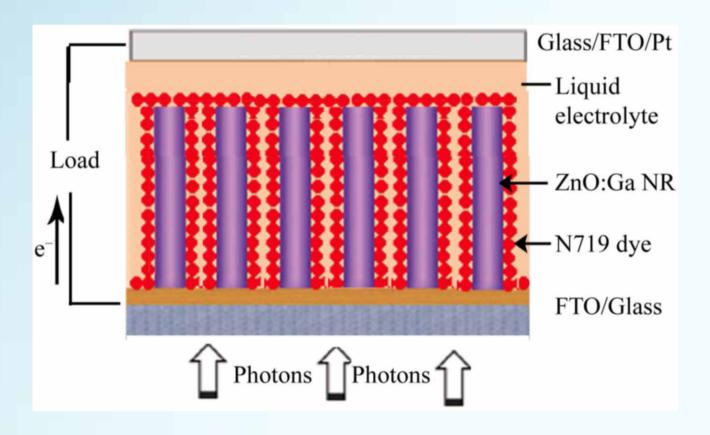




# Journal of Power and Energy Engineering





# Journal of Power and Energy Engineering

ISSN Print: 2327-588X ISSN Online: 2327-5901

http://www.scirp.org/journal/jpee

### **Editor-in-Chief**

Prof. Elias K. Stefanakos University of South Florida, USA

### **Editorial Board**

**Dr. Roberto Capata**University of Roma "Sapienza", Italy

Prof. Wei-Hsin ChenNational Cheng Kung University, Chinese TaipeiDr. Chun-Hu ChengNational Taiwan Normal University, Chinese TaipeiDr. Smith Eiamsa-ardMahanakorn University of Technology, Thailand

Prof. D. Yogi Goswami University of South Florida, USA

Prof. Zhongjie HuanTshwane University of Technology (TUT), South AfricaDr. Freddie Liswaniso InambaoUniversity of KwaZulu-Natal Durban, South Africa

Prof. Nnenesi A. Kgabi Polytechnic of Namibia, Namibia

**Prof. Ching-Fuh Lin**National Taiwan University, Chinese Taipei

Prof. Rodolfo Dufo LópezUniversity of Zaragoza, SpainProf. Elham B. MakramClemson University, USA

Prof. George Papadakis Agricultural University of Athens, Greece

Dr. Elias Papanicolaou Solar & Other Energy Systems Laboratory Attiki, Greece

**Dr. Raul Rabinovici** Ben-Gurion University of the Negev, Israel

**Prof. M. Ramamoorty** K L University, India

Dr. Manuel RomeroIMDEA Energy Institute, SpainDr. Ravi S. SrinivasanUniversity of Florida, USADr. Vittorio VerdaPolitecnico di Torino, Italy

Prof. Valery Vodovozov Tallinn University of Technology, Estonia

Prof. Nikolai Voropai Energy Systems Institute of Russian Academy of Sciences, Russia

Prof. Chao Xu North China Electric Power University, China

**Dr. Wenxian Yang** Newcastle University, UK



## **Table of Contents**

volume 3	Number 12	December 201	5
Test Standards	for Direct Steam Generating Solar (	Concentrators	
M. M. Rathore,	R. M. Warkhedkar		1
Electric-Field-As Dye-Sensitized	ssisted Growth of Ga-Doped ZnO Na Solar Cells	anorods Arrays for	
J. X. Duan, Q. >	(iong, J. H. Hu, H. Wang	1	1
Sensitivity Anal	ysis of a 50+ Coal-Fired Power Unit	Efficiency	
K Stenczyńska-	Drygas S Dykas K Smołka	1	q

### Journal of Power and Energy Engineering (JPEE)

### **Journal Information**

### SUBSCRIPTIONS

The *Journal of Power and Energy Engineering* (Online at Scientific Research Publishing, <a href="www.SciRP.org">www.SciRP.org</a>) is published monthly by Scientific Research Publishing, Inc., USA.

### **Subscription rates:**

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: <a href="mailto:sub@scirp.org">sub@scirp.org</a>

### **SERVICES**

### Advertisements

Advertisement Sales Department, E-mail: <a href="mailto:service@scirp.org">service@scirp.org</a>

### Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

### **COPYRIGHT**

### COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2015 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY). http://creativecommons.org/licenses/by/4.0/

### COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2015 by author(s) and Scientific Research Publishing Inc.

### REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

### DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

### PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jpee@scirp.org