

International Journal of
**ADVANCES IN THERMAL SCIENCES
AND ENGINEERING**

62
309

VOLUME 4

NUMBER 2

JULY-DECEMBER 2013

CONTENTS

- 
1. Materials and Devices of Polymer Solar Cells 71-79
S.V.D. Prasad, and K. Ranganadha Babu
2. Application of Laser Ignition in Internal Combustion Engines 81-87
D. Chandramohan, S.R. Venkatesan, R. Prithivirajan and K. Eswaran
3. An Invention of Natural Fiber Reinforced Polymer Composite Material for Bone Implant 89-92
D. Chandramohan, J. BhuraniChundur, S.R. Venkatesan and R. Prithivirajan
4. Performance Analysis of Single Slope Solar Still With Nano-particle Mixed Black Paint 93-100
Godhraj Kumawat, and Manoj Kumar Jain
5. Analytical Solution and Experimental Verification of Sessile Drop Evaporation 101-115
in Relation to Leidenfrost Phenomenon
Aloke Kumar Mozumder, Shuvra Banik, and Md. Zahabul Islam
6. Reduced Emission of CO₂ in Vapour Absorption Machine Using 117-122
Concentrated Solar Power
Hyacinth. J. Kennedy, S. Lionel Beneston, and V. Manimaran
7. Influence of Thermal Cycling on the Fatigue Resistance of Medium Carbon Steel 123-129
F.F. OOsarumwense, S.A. Agbadua C.O. Mgbemena, and N.O. Ubani