

JOURNAL OF SUSTAINABILITY SCIENCE AND MANAGEMENT

Volume 2 Number 1 June 2007

Contents

- 1 – 6 [The effects of multiple-gated layout on power consumption of Pseudomorphic-HEMTs](#)
M. N. OSMAN, S. YAAKOB, M. R. YAHYA, A. F. AWANG MAT & Z. AWANG
- 7 – 10 [The synthesis of thin-walled carbon nanotubes over CoO-Fe₂O₃ based catalysts](#)
S. P. CHAI, S. H. S. ZEIN & A. R. MOHAMED
- 11 – 17 [Fabrication of white organic light emitting diode using PHF doped with rubrene](#)
S. SEPEAI, M. M. SALLEH & M. YAHAYA
- 18 – 23 [A rapid justification of HEMT device structures based on a three-probe contact technique](#)
H. SOETEDJO, I. SABTU, M. R. YAHYA & A. F. AWANG MAT
- 24 – 27 [The effects of SiC concentration on membrane thickness prepared by chemical suspension technique](#)
Z. A. WAHID, R. RAMLI, A. MUCTHAR & A. W. MOHAMMAD
- 28 – 31 [Colossal magneto resistance of \(La_{1-x}Dy_x\)_{0.67}Sr_{0.33}MnO₃ Perovskite](#)
K. P. LIM, S. A. HALIM, O. J. LEE & Y. NOORHANA
- 32 – 35 [Fabrication of polymer light emitting diodes with ITO/PVK:TPP/Alq₃/Al structure](#)
C. C. YAP, M. YAHAYA MURSYIDAH & M. M. SALLEH
- 36 – 39 [Synthesis of multi-walled carbon nanotubes \(MWNTS\) over anodic aluminium oxide \(AAO\) template](#)
J. C. TEE, N. A. BUANG, S. M. SANIP, A. F. ISMAIL & N. A. BUANG
- 40 – 43 [Fabrication and characterization of oxygen sensing properties of Dy123 sensor utilizing hot spot phenomenon](#)
M. HASSAN, A. K. YAHYA, K. H. KU HAMID & Z. AWANG
- 44 – 48 [A study of underfill morphology and filler content using scanning electron microscopy and thermogravimetric analyzer](#)
I. AHMAD, Z. ENDUT, A. ZAHARIM & NORAZHAM MOHD SUKEMI
- 49 – 52 [Comparative study on T11212/Ag dip-coated tapes fabricated using solid-state and coprecipitation derived powder](#)
F. MD. SALLEH, A. K. YAHYA, Z. AWANG & M. H. JUMALI
- 53 – 56 [A simulation study of short channel effects in conventional and lightly-doped drain \(LDD\) P-Mosfets](#)
N. SOIN & D. ABD HADI
- 57 – 61 [Relations between efficiency of polycrystalline solar cells and climate parameters in Malaysia](#)
W. M. W. MARIAM & S HUSNI
- 62 – 66 [Structure and birefringence properties of SiO₂- Thiophenes Xerogels synthesized by sol-gel-template](#)
KANCONO, K. S. CHAN, H. B. SENIN & A. K. AROF
- 67 – 70 [Ballistic impact resistance of flexible composites](#)
M. R. AHMAD, W. Y. WAN AHMAD, J. SALLEH, A. SAMSURI & M. F. YAHYA

- 71 – 74 [Thermal diffusivity of \$\text{YBa}_2\text{Cu}_3\text{O}_{7-x}\$ superconductor using open-cell photoacoustic](#)
MARY ALVEAN B. NARRETO & HASAN ADLI ALWI
- 75 – 78 [Reactivity of methane over Ga-HZSM-5 zeolite catalyst](#)
ASMADI ALI, RAMLI MAT & WAN MARIAM WAN MUDA
- 79 – 85 [Major elements and oxides of the South China Sea surface sediments off Johor Coasts](#)
A. NOR ANTONNA, Y. ROSNAN, A. SHAMSUDDIN, CHUNG MEI KIM, SO AI NI & M. S. NOOR
AZHAR
- 86 – 89 [Development of wireless patient data management system](#)
HIDAYATUL AINI BINTI ZAKARIA & NAHRIZUL ADIB BIN KADRI
- 90 – 94 [Characterize Q-switching dye laser by saturable absorber](#)
NUR FARIZAN BINTI MUNAJAT & NORIAH BIDIN
- 95 – 98 [Electrical characterization of chlorophyll](#)
S. HASIAH, H. B. SENIN & HABSAH MOHAMAD
-