

AMIN, Nowshad

Universiti Kebangsaan Malaysia (UKM), Malaysia

Scholarly Contributions [Data Provided by **SCOPUS**]

Bandgap optimization of absorber layers in amorphous silicon single and multijunction junction solar cells

(2012) *Chalcogenide Letters*, 9 (1), pp. 51-59.

Prospects of indium sulphide as an alternative to cadmium sulphide buffer layer in cis based solar cells from numerical analysis

(2011) *Chalcogenide Letters*, 8 (5), pp. 315-324.

ECG compression using subband thresholding of the wavelet coefficients

(2011) *Australian Journal of Basic and Applied Sciences*, 5 (5), pp. 739-749.

The Effect of rapid thermal annealing towards the performance of screen-printed Si Solar Cell

(2011) *American Journal of Applied Sciences*, 8 (3), pp. 267-270.

A numerical study on the prospects of high efficiency ultra thin Zn xCd 1-xS/CdTe solar cell

(2011) *Chalcogenide Letters*, 8 (4), pp. 263-272.

Design aspects of small-scale photovoltaic brackish water reverse osmosis (PV-BWRO) system

(2011) *Desalination and Water Treatment*, 27 (1-3), pp. 210-223.

Promises of Cu (In, Ga)Se<sub>2</sub> thin film solar cells from the perspective of material properties, fabrication methods and current research challenges

(2011) *Journal of Applied Sciences*, 11 (3), pp. 401-410.

A Comparative study of BSF layers for ultra-thin CdS:O/CdTe solar cells

(2011) *Chalcogenide Letters*, 8 (2), pp. 65-75.

Effects of different catalytic activation techniques on the thermal performance of flip chip heat spreader

(2011) *Sains Malaysiana*, 40 (2), pp. 181-190.

A review on progress of amorphous and microcrystalline silicon thin-film solar cells

(2011) *Recent Patents on Electrical Engineering*, 4 (1), pp. 50-62.

An efficient maximum power point tracking controller for photovoltaic systems using new boost converter design and improved control algorithm

(2010) *WSEAS Transactions on Power Systems*, 5 (2), pp. 53-63.

Prospects of back surface field effect in ultra-thin high-efficiency CdS/CdTe solar cells from numerical modeling

(2010) *International Journal of Photoenergy*, 2010, art. no. 578580, .

Effect of different factors on the acoustic absorption of coir fiber

(2010) *Journal of Applied Sciences*, 10 (22), pp. 2887-2892.

A study towards the possibility of ultra thin CdS/CdTe high efficiency solar cells from numerical analysis

(2010) *WSEAS Transactions on Environment and Development*, 6 (8), pp. 571-580.

Magnetic field sensitive antenna design for hf band rfid system

(2010) *Informacije MIDE M*, 40 (2), pp. 135-138.

Effect of plasma cleaning process in the wettability of flip chip PBGA substrate of integrated circuit packages  
(2010) *Journal of Applied Sciences*, 10 (9), pp. 772-776.

An efficient maximum power point tracking controller for a standalone photovoltaic system  
(2010) *International Review on Modelling and Simulations*, 3 (2), pp. 129-139.

Computer aided design of an active notch filter for HF band RFID  
(2010) *Frequenz*, 64 (1-2), pp. 23-25.

A novel active sun tracking controller for photovoltaic panels  
(2009) *Journal of Applied Sciences*, 9 (22), pp. 4050-4055.

A practical field study of various solar cells on their performance in Malaysia  
(2009) *Renewable Energy*, 34 (8), pp. 1939-1946.

Performance of a PV-wind hybrid system for hydrogen production  
(2009) *Renewable Energy*, 34 (8), pp. 1973-1978.

Fast clock tree generation using Exact Zero Skew clock routing algorithm  
(2009) *Journal of Applied Sciences*, 9 (11), pp. 2150-2155.

A new controller scheme for photovoltaics power generation systems  
(2009) *European Journal of Scientific Research*, 33 (3), pp. 515-524.

The temperature dependence coefficients of amorphous silicon and crystalline photovoltaic modules using Malaysian field test investigation  
(2009) *American Journal of Applied Sciences*, 6 (4), pp. 586-593.

Modeling the effect of P-N junction depth on the output of planar and rectangular textured solar cells  
(2009) *American Journal of Applied Sciences*, 6 (4), pp. 667-671.

A practical investigation on nickel plated copper heat spreader with different catalytic activation processes for flip-chip ball grid array packages  
(2009) *Microelectronics Reliability*, 49 (5), pp. 537-543.

VLSI design of an anti-collision protocol for RFID tags  
(2009) *European Journal of Scientific Research*, 28 (4), pp. 560-566.

Plasma implantation for emitter and localized back surface field (BSF) formation in silicon solar cells  
(2008) *European Journal of Scientific Research*, 24 (3), pp. 365-372.

Enhancement of optical absorption in thin-film silicon solar cells in silicon-on-insulator (SOI) configuration  
(2008) *European Journal of Scientific Research*, 24 (3), pp. 358-364.

Can a high-tech silicon photovoltaic (PV) be a cottage industry?  
(2008) *European Journal of Scientific Research*, 24 (2), pp. 263-269.

Numerical modeling of CdS/CdTe and CdS/CdTe/ZnTe solar cells as a function of CdTe thickness  
(2007) *Solar Energy Materials and Solar Cells*, 91 (13), pp. 1202-1208.

Prospective development in diffusion barrier layers for copper metallization in LSI  
(2007) *Microelectronics Journal*, 38 (6-7), pp. 777-782.

[Effect of ZnTe and CdZnTe alloys at the back contact of 1- \$\mu\$ m-thick CdTe thin film solar cells](#)

(2002) *Japanese Journal of Applied Physics, Part 1: Regular Papers and Short Notes and Review Papers*, 41 (5 A), pp. 2834-2841.

[Highly efficient 1  \$\mu\$ m thick CdTe solar cells with textured TCOs](#)

(2001) *Solar Energy Materials and Solar Cells*, 67 (1-4), pp. 195-201.