

بيان بالأبحاث المنشورة عامين ٢٠١٧-٢٠١٨ بقسم الهندسة الميكانيكية

ISI (Impact Factor)	التاريخ	مكان النشر	عنوان البحث	اسم الباحث	م
ISI Journal	2017	International Journal of Advanced and Applied Sciences	Effects of the laser cutting parameters on the micro-hardness and on the heat affected zone of the mi-hardened steel	DR. Imed Miraoui	1
ISI-IF = 0.974	2017	Journal of Natural Fibers	Long-unidirectional Palm and Sisal Fibers Reinforced Composite: An Experimental Investigation		
ISI-IF = 1.3	2016	Hindawi Publishing Corporation	High-Power Laser Cutting of Steel Plates:		
Scopus 0.91 ISI 1.299	2016	Advances in Materials Science and Engineering	Heat Affected Zone Analysis		
ISI-IF = 0.834	2016	Advances in Materials and Processing Technologies	Analysis of cut surface quality of sheet metals obtained by		
Scopus 0.37	2016	ARPN Journal of Engineering and Applied Sciences	laser machining: thermal effects		
SJR-IF (Scopus) = 0.21	2017	Journal of Natural Fibers	NUMERICAL SIMULATION OF DROPLET DISPERSION AND EVAPORATION AND OF AIR VELOCITY IN A JET BURNER		
Scopus 3.39	2017	Materials Science & Engineering A	The influence of magnetic field on the mechanical properties & microstructure of plain carbon steel	DR. Saad A.A. Sayed	2
Scopus 0.2	2017	Journal of Energy Power Engineering	Prediction of Strain Rate of Aluminum/Silicon Carbide Using Gray Level Run- Length Matrices		
Scopus 0.19	2016	Advanced Structured Materials	Forming Temperature Investigation of Aluminum and Aluminum/Silicon Carbide Using Image Texture Feature	DR. Ahmad E. Eladawi	3
Scopus 0.2	2016	Journal of Energy Power Engineering	Prediction of Strain Rate of Aluminum/Silicon Carbide Using Gray Level Run- Length Matrices		

0.35	2016	SSRG International Journal of Thermal Engineering (SSRG-IJTE)	Variations of Air and Water Temperatures Across and Along the Pads of Direct Evaporative Coolers and Their Effect on the Performance	DR. M. Mosa	4
0.35	2016	SSRG International Journal of Thermal Engineering (SSRG-IJTE)	Variations of Air and Water Temperatures Across and Along the Pads of Direct Evaporative Coolers and Their Effect on the Performance	DR. Ahmed Saleh	5
5.589	2017	Energy Conversion and Management	Performance analysis of different working gases for concentrated solar gas engines Stirling & Bravton	DR. A. M. Soliman	6
scopus 3.83	2017	Journal of Environmental Chemical Engineering	Influence of solvent in the synthesis of nano-structured ZnO by hydrothermal method and their application in solar-still		
7.182	2017	Applied Energy	A novel study of using oil plants gases for thermal desalination and electric power generation: Energy & cost evaluation		
2.599	2017	International Journal of Sciences: Basic and Applied Research (IJSBAR)	Failure Analysis Investigation of Recycle Compressor Cooler in a Gas Plant	DR. Mohamed Hanafy El-Sayed	7
1.748	2016	Engineering Failure Analysis	Flow enhanced corrosion of water injection pipelines		
scopus 1.05 0.836	2017	Asia-Pac. J. Chem. Eng	Thermo-physical and kinetics parameters determination and gases emissions of self-ignition of sieved rice husk of different sizes on a hot plate	DR. T.M. Khass	8
-----	2017	Heat and Mass Transfer Research Journal	On The Performance of Solar Heater: Numerical Study	DR. Ahmed Ghazy	9
1.233	2016	Heat and Mass Transfer	Solar desalination system of combined solar still and humidification – dehumidification unit		
1.233	2017	Heat and Mass Transfer	The Thermal Protective Performance of Firefighters Clothing: The Air Gap between the Clothing and the Body		
4.03	2016	International Communication in Heat and Mass Transfer	Influence of the specular coefficient on hydrodynamics and heat transfer in a conical fluidized bed combustor	DR. Mahmoud A. M. Youssef	10
4.03	2016	International Communication in Heat and Mass Transfer	Numerical study on heat transfer in a conical fluidized bed combustor considering particle elasticity		

0.985	2018	Journal of Thermal Science and Engineering Applications	Heat Transfer and Fluid Flow Characteristics in a Heat Exchanger Tube Fitted With Inserts	Dr. Waleed Abdelmaksoud	11
---	2017	15th AIAA international energy conversion conference	Shell and Tube Heat Exchanger Performance		
---	2017	54th AIAA Aerospace Sciences Conference	Smoke Behavior and Management in Domed Mosques		
---	2017	55th AIAA Aerospace Sciences Meeting	Embedded Void Approach for Nitride Based Multi-Junction Photovoltaic Cells		
0.257	2016	Journal of Computational Thermal Sciences	Numerical Modeling and Performance Investigation for Compact Heat Exchangers in Different Fin Arrangement and Fluid Flow Conditions		
---	2016	proceedings of the 12th REHVA World Congress	A Study of Heat Transfer and Pressure Drop on Finned-Tube Heat Exchangers		
---	2016	proceedings of the 12th REHVA World Congress	Indoor Air Quality and Outdoor Air Requirement for Personal Ventilation System in Office Spaces		
---	2016	Journal of Current Environmental Engineering	Smoke Behavior and Management in Large-Domed Mosques		