

البحوث المنشورة للتدريسيين في قسم الهندسة الميكانيكية للعام الدراسي ٢٠١٩-٢٠٢٠

ت	اسم التدريسي	الدرجة العلمية	اسم البحث	سنة النشر	جهة النشر
١	امين احمد نصار	استاذ	Numerical Analysis of Continuous Dieless Wire Drawing	٢٠١٩	International Journal of Engineering & Technology,
			Study the Effect of Heat Transfer Coefficient and Thermal Conductivity on Cracked Pipes Carrying Pressurized Fluid	٢٠١٩	International Journal of Engineering & Technology,
			Linear and Non-Linear Stress Analysis for the Prediction of Fracture Toughness for Brittle and Ductile Material using ASTM E399 and ASTM E1290 By ANSY	٢٠١٩	1st International Conference on Petroleum Technology and Petrochemicals
			A Modified Approach for Torsional Vibration Analysis of Some Rotor Systems Using Holzer and Matlab GUI Techniques	٢٠١٩	Basrah Journal for Engineering Sciences
			Experimental Study and Artificial Neural Networks Prediction of Effective Parameters in Continuous Dieless Wire Drawing Process	٢٠١٩	Basrah Journal for Engineering Sciences
			Comparative and assessment study of torsional fatigue life for different types of steel	٢٠١٩	SN Applied Sciences
٢	خالد بكر سليم	مدرس	Natural convection in a triangular cavity filled with air under the effect of external air stream cooling	٢٠١٩	Heat Transfer-Asian Research
			PREDICTION OF HEAT TRANSFER CHARACTERISTICS FOR FORCED CONVECTION PIPE FLOW USING ARTIFICIAL NEURAL	٢٠١٩	Kufa Journal of Engineering

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		NETWORKS			
Basrah Journal for Engineering Sciences	٢٠٢٠	Comparison of CVT Performance with the Manual and Automatic Transmission for Evaluation the Fuel Consumption and Exhaust Emissions	مدرس	قحطان عدنان جواد	٣
Computer Modeling in Engineering & Sciences	٢٠٢٠	Application of Smooth Particle Hydrodynamics Method for Modelling Blood Flow with Thrombus Formation	مدرس	محمد خير الله كاظم	٤
ELSIVIER Volume 18, April 2020, 100584	٢٠٢٠	Heat transfer analysis of a shell and tube heat exchanger operated with graphene nanofluids			
International Journal of Engineering & Technology	٢٠١٩	Developing a General Methodology and Construct a Driving Cycle with an Economic Performance Evaluation for Basrah City	مدرس	باسل شنين مناحي	٥
Published in Materials Performance and Characterization on July 19, 2019	٢٠١٩	Computation of Fracture Parameters in Step wise Functionally Graded Materials Using Digital Image Correlation Technique	استاذ	عبدالكريم فليح حسن	٦
Published:Oct 2019 in OPTICS AND LASERS IN ENGINEERING	٢٠١٩	Fracture analysis of functionally graded material using digital image correlation technique and extended element-free Galerkin method			
Basrah Journal for Engineering Sciences, Vol. 19, No. 1, 2019	٢٠١٩	Experimental Study and Artificial Neural Networks Prediction of Effective Parameters in Continuous Dieless Wire Drawing Process	مدرس	رافد جبار محمد	٧
Int. J. of Heat and Mass Transfer	٢٠١٩	Forced Convection in Partially Compliant Channel with Two	استاذ	منير عبدالجليل اسماعيل	٨

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		Alternated Baffles			
International Journal of Numerical Methods for Heat and Fluid Flow	٢٠١٩	Fluid–structure interaction of free convection in a square cavity divided by a flexible membrane and subjected to sinusoidal temperature heating			
Entropy	٢٠١٩	Mixed Convection and Entropy Generation of an Ag-Water Nanofluid in an Inclined L-Shaped Channel			
International Journal of Engineering & Technology	٢٠١٩	Numerical Investigation of Fluid-Structure Interaction with Mixed Convection in an Open Cavity of Flexible Wall: Effect of Geometrical Parameters			
Iraqi Journal of Electrical and Electronic Engineering	٢٠١٩	Design and Implementation of Hybrid-Climbing Legged Robot	مدرس	علي حسن عبدالعالي	٩
EnvironentAsia	٢٠٢٠	Optimization of Silt Pit Dimensions and the Water Supply Period in Oil Palm Plantation by Artificial Neural Network Estimation			
Journal of King Saud University-Engineering Science –Elsevier	٢٠١٩	Integrated solar still with an underground heat exchanger for clean water production	استاذ	سلمان هاشم حمادي	١٠
Nabeel A.Ghyadh, Salman H.Hammadi, Haroun A.K.Shahad	٢٠٢٠	Using solar collector unit in a methanol-water vapor absorption cooling system under iraqi environmental conditions			
Rafid M. HANNUN , Salman H. HAMMADI and Mohammed H. KHALAF	٢٠١٩	HEAT TRANSFER ENHANCEMENT FROM POWER TRANSFORMER IMMersed IN OIL			

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		BY EARTH AIR HEAT EXCHANGER			
Nabeel A. Ghyadh, Salman H. Hammadi, Haroun A. K. Shahad	٢٠٢٠	Acetone - Zinc Bromide as Working Fluids in Solar Absorption Cooling System			
Kufa Journal of Engineering	٢٠١٩	PREDICTION OF HEAT TRANSFER CHARACTERISTICS FOR FORCED CONVECTION PIPE FLOW USING ARTIFICIAL NEURAL NETWORKS			
Kufa Journal of Engineering	٢٠١٩	THERMO- ECONOMIC IMPACT FROM USING EXHAUST GASES HEAT LOST FOR POWERING AN ABSORPTION REFRIGERATION SYSTEM USED FOR INLET AIR COOLING OF COMPRESSOR	استاذ مساعد	حسين صادق سلطان	١١
IOP Conference Series: Materials Science and Engineering	٢٠١٩	Numerical study of drilling fluids pressure drop in wellbores with pipe rotation			
IOP CONFERENCE SERIES	٢٠١٩	Numerical study of drilling fluids pressure drop in wellbores with pipe rotation			
Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	٢٠١٩	Effect of strut length and orientation on elastic mechanical response of modified body-centered cubic lattice structures	مدرس مساعد	حسنين سامي عبدالهادي	١٢
ACM International Conference Preceding series	٢٠١٩	Combination of FFT & ICA methods for faults analysis of rotating machine	مدرس	عبدالصير شري باهض	١٣