

تعاون مع باحثين خارج القسم	البحوث المفهرسة في (scopus) للفترة (2023-2017)			ت
	المجموع	Scopus	نوع المجلة	
2	2	2	2017	1
1	2	2	2018	2
4	11	11	2019	3
4	18	18	2020	4
5	11	11	2021	5
5	16	16	2022	6
4	4	4	2023	7
25	64	64	المجموع الكلي	

البحوث المنجزة لتدريسيي قسم الهندسة الميكانيكية والمنشورة في مجلات ضمن تصنيف سكوبس للفترة (2023-2017)

ت	إسم الباحث	عنوان البحث	إسم المجلة	سنة النشر	نوع المجلة	الملاحظات
1	احمد فؤاد النعمة اخرين	An experimental and numerical investigation of the use of liquid flow in serpentine microchannels for microelectronics cooling	Applied Thermal Engineering	2017	Scopus	تعاون مع باحثين خارج القسم
2	عمار حازم صابر واخرين	Soot reduction in an entrained flow gasifier of biomass by active dispersion of fuel particles	Fuel	2017	Scopus	تعاون مع باحثين خارج القسم
3	محمد نجيب عبدالله	Numerical and Experimental Investigation on the Effect of Billet Preforming in the Flange Forming	International Journal of Engineering & Technology	2018	Scopus	
4	احمد فؤاد النعمة اخرين	Thermal management of GaN HEMT devices using serpentine minichannel heat sinks	Applied Thermal Engineering	2018	Scopus	تعاون مع باحثين خارج القسم
5	عمر ذنون جمعه اخرين	Numerical Simulation And Optimization Of Gallium Nitride Growth In Mocvd Manufacturing Process	3rd Thermal and Fluids Engineering Conference	2019	Scopus	تعاون مع باحثين خارج القسم
6	عمر ذنون جمعه اخرين	The Effect of Carrier Gas and Reactor Pressure on Gallium Nitride Growth in MOCVD Manufacturing Process	Journal of heat transfer (ASME)	2019	Scopus	تعاون مع باحثين خارج القسم
7	زياد شكيب عبدالباقي ماجد مدحت سعيد	Design And Analysis Of Slotted Block Horn Used For Ultrasonic Power Applications	Journal Of Southwest Jiaotong University	2019	Scopus	
8	زياد محمد مجيد ماهر هاشم هادي	Heat Transfer Characteristics For A Fin Exposed To Fully Wet Air	International Journal of Mechanical and Production Engineering Research and Development	2019	Scopus	
9	زياد محمد مجيد رائد احمد علي معن سعد الدين محمد	Effect of staggered non – conductive partition on heat transfer in a variable shape cavity	International Journal of Mechanical and Production Engineering Research and Development	2019	Scopus	
10	خالد عباس صالح قيس حازم اسماعيل محمد شعلان عبد فتحي	Estimation of Abrasive Wear of Brass Alloy Impeller	Journal of Southwest Jiaotong University	2019	Scopus	
11	خالد عباس صالح قيس حازم اسماعيل محمد شعلان عبد فتحي	An Effect Of Welding Type On The Mechanical Properties Of Welding Joints	International Journal of Mechanical and Production	2019	Scopus	
12	محمد شعلان عبد فتحي	Ultrasonic investigation of thermoplastic polymers	International Journal of Scientific & Technology Research	2019	Scopus	
13	عمار بونس ابراهيم ياسر شكر محمود اخرين	State of the art single objective optimization of small scale cylindrical cavity receiver	Sustainable Energy Technologies and Assessments	2019	Scopus	تعاون مع باحثين خارج القسم
14	صدام عطيه محمد	Heat and mass transfer by hydromantic mixed convection flow along a vertical cylinder embedded in a non-Darcy porous medium with heat source.	International Journal of Mechanical and Production Engineering Research and Development	2019	Scopus	
15	Ali Alkhabbaz In Cheol Kim HyunTae Jeong Young Ho Lee	Optimization Methodology of Small Scale Horizontal Axis Shrouded Tidal Current Turbine	Computer Science and Data Engineering,	2019	Scopus	تعاون مع باحثين خارج القسم
16	زهراء يوسف قريشات رنا محمد فرحات اخرين	The suitability of microscale compressed air axial turbine for domestic solar powered Brayton cycle	International Journal of Energy and Environmental Engineering	2020	Scopus	تعاون مع باحثين خارج القسم
17	عمر محمد حمون	Performance analysis of hybrid photovoltaic thermal solar system in Iraq climate condition	Thermal Science and Engineering Progress	2020	Scopus	
18	عمر محمد حمون	Analysis of two-phase flow in a double-pipe heat exchanger filled with porous media	International Journal of Heat and Mass Transfer	2020	Scopus	

	Scopus	2020	Frontiers in Heat and Mass Transfer (FHMT)	Effects of Variable Viscosity on Heat and Mass Transfer by MHD Mixed Convection Flow Along a Vertical Cylinder Embedded in a Non-Darcy Porous Medium	صدام عطيه محمد	19
تعاون مع باحثين خارج القسم	Scopus	2020	Journal of Orofacial Sciences	A Finite Element Analysis of Biomechanics in Distraction Osteogenesis of Ascending Ramus Lengthening between males and females – A Comparative Study	محمد نجيب عبدالله عماد حازم قاسم اخرين	20
	Scopus	2020	International Journal of Mechanical and Production Engineering Research and Development	Specific Exergy Costing Analysis and Optimization of CCPP Power Plant	محمد صالح محمد طه احمد عبدالله	21
	Scopus	2020	International Journal of Mechanical and Production Engineering Research and Development	Analysis of The Natural Convection Heat Transfer Inside Square Enclosure Partially Divided by Non-Conductive Partitions	رائد احمد علي	22
	Scopus	2020	International Journal of Advanced Science and Technology	Effect of natural and industrial fibers reinforcement on mechanical properties of polymeric matrix composites	غيداء ابراهيم حسين سهى هاشم احمد	23
تعاون مع باحثين خارج القسم	Scopus	2020	Sustainable Energy Technologies and Assessments	Performance investigation and design optimization of micro scale compressed air axial turbine for domestic solar powered Brayton cycle	خالد الياس جمو عمر عبدالرحمن محمد اخرين	24
	Scopus	2020	International Journal of Mechanical and Production Engineering Research and Development	Finding the best rotational speed affecting the stresses analysis for gas turbine blades subjected to centrifugal forces.	سهى هاشم احمد غيداء ابراهيم حسين	25
	Scopus	2020	International Journal of Mechanical and Production Engineering Research and Development	Measurement correction of two dimensional-wind tunnel with porous walls using singularity method	طه احمد عبدالله محمد صالح محمد	26
	Scopus	2020	International journal of mechanical and production	Determination the stretch bending limit ratio for sheet metals during the stretch bending process	انس عبيد ادريس	27
	Scopus	2020	International Journal of Mechanical and Production Engineering Research and Development	Appropriate selection of mechanical element used in manufacturing load cell	احمد سعدون عبدالعزيز احمد نافع راشد	28
	Scopus	2020	International Journal of Mechanical and Production Engineering Research and Development	Design And Performance Analysis Of A Heat Exchanger Used In A Vapour Compression Refrigeration System	عدنان محمد عبدالله معن سعد الدين محمد	29
	Scopus	2020	Journal of Engineering Science and Technology	Comparison between dynamic discrete element method and static discrete element method to determine neck size between powders during sintering process	انس عبيد ادريس زياد شكيب عبدالباقي	30
	Scopus	2020	International Journal of Mechanical and Production Engineering Research and Development	Numerical investigation on wing performance using singularity method	طه احمد عبدالله	31
	Scopus	2020	Journal of Southwest Jiaotong University	Mechanical properties of nano-composite materials	محمد شعلان عبد فتحي	32
تعاون مع باحثين خارج القسم	Scopus	2020	International Journal of Heat and Mass Transfer	Analysis of two-phase flow in a double-pipe heat exchanger filled with porous media	عمر محمد حمزون اخرين	33
	Scopus	2021	Journal of Mechanical Engineering Research	Evaluation of Vibration Amplitude Stepping and Welding Performance of 20 kHz and 40 kHz Ultrasonic Power of Metal Welding	زياد شكيب الصراف احمد فتاح احمد خالد الياس جمو	34
	Scopus	2021	International Journal of Mechanical and Production Engineering Research and Development	Effect of combustion duration on the performance and emission of four stork spark ignition engine using gasoline biofuel blend	عبدالرحمن جبو محمد نورالدين صالح خضر ياسر شكر محمود	35
تعاون مع باحثين خارج القسم	Scopus	2021	Journal of Orofacial Sciences	Does the flattening of the curve of spee affect the chewing force distribution in mandible? (3D finite element study)	محمد نجيب عبدالله عماد حازم قاسم اخرين	36
تعاون مع باحثين خارج القسم	Scopus	2021	Journal of Manufacturing Science and Engineering	Influence of precursor concentration on crystalline quality of GaN thin films grown on a sapphire wafer	عمر ذنون جمعه اخرين	37
	Scopus	2021	Proceedings of the 7th world congress on mechanical, chemical, and material engineering	Hydromagnetic mixed convection along a vertical cylinder in a stratified non-Darcian porous medium	صدام عطيه محمد عبدالكريم يونس	38

	Scopus	2021	Journal of Mechanical Engineering Research	Evaluation of Vibration Amplitude Stepping and Welding Performance of 20 kHz and 40 kHz Ultrasonic Power of Metal Welding	زيد شكيب عبدالباقي احمد فتاح احمد خالد الياس حمو	39
تعاون مع باحثين خارج القسم	Scopus	2021	Journal of Heat Transfer	Experimental Study of the Effect of Precursor Composition on the Microstructure of Gallium Nitride Thin Films Grown by the MOCVD Process	عمر ذنون جمعه اخرين	40
	Scopus	2021	Journal Europeen des Systemes Automatisees	Using Artificial Neural Networks to Predict the Effect of Input Parameters on Weld Bead Geometry for SAW process	ماجد مدحت سعيد زيد شكيب عبد الباقي	41
	Scopus	2021	Journal of Mechanical Engineering Research and Developments	The combining effect of changing forming path and heating effect during stretch forming process to enhance the formability of Al 6061 sheet	انس عبيد ادريس عامر يحيى محمد	42
تعاون مع باحثين خارج القسم	Scopus	2021	Journal of Orthodontic Science	The effect of fluoride gel on tensile properties, surface morphology and chemical composition of two types of orthodontic wires (an in-vitro study)	محمد طارق سليمان واخرون	43
تعاون مع باحثين خارج القسم	Scopus	2021	Renewable Energy	A novel linearization approach of chord and twist angle distribution for 10 kW horizontal axis wind turbine	Ali Alkhabbaz Ho-Seong Yang A.H Samitha Weerakoon Young-Ho Lee	44
	Scopus	2022	International Journal of Mechanical Engineering	ON CFD WING PERFORMANCE FOR ULTRA-LIGHT AIRPLANE	طه احمد عبدالله محمد صالح محمد يونس محل نجم	45
	Scopus	2022	International Journal on Technical and Physical Problems of Engineering (IJTPE)	PARTIALLY SHADING A PV MODULE: ANALYSIS AND DESIGN WITH SIMULATION	احمد خالد ابراهيم رامز ابراهيم سعيد رائد احمد علي	46
تعاون مع باحثين خارج القسم	Scopus	2022	Gongcheng Kexue Yu Jishu/Advanced Engineering Science	Experimental Assessment of a Hot Water Solar Collector for Sustainable Buildings in Iraq	احمد خالد ابراهيم رائد احمد محمود علي غازي محمد	47
تعاون مع باحثين خارج القسم	Scopus	2022	Symmetry publisher MDPI	Fault Diagnosis of Crack on Gearbox Using Vibration-Based Approaches	سفيان عبدالحكيم محمد اخرين	48
	Scopus	2022	International Journal on "Technical and Physical Problems of Engineering" (IJTPE)	TURBULENT FLAME SPEED IN SPARK IGNITION ENGINES FOR BIOFUEL AND GASOLINE BLEND	نور الدين صالح خضر عبدالرحمن حبو محمد ياسر شكر محمود	49
	Scopus	2022	International journal on technical and physical problems of engineering	Effect of applied static stresses on the behaviour of mechanical elements	احمد سعدون عبدالعزيز احمد نافع راشد	50
	Scopus	2022	International Journal on "Technical and Physical Problems of Engineering	EFFECT OF CHANGE IN FORMING DIES SHAPE AND METALS ON EXTRUSION FORCE - NUMERICAL ANALYSIS AND EXPERIMENTAL STUDY	ماجد مدحت سعيد محمد نجيب عبدالله علاء دحام يونس	51
	Scopus	2022	International journal on technical and physical problems of engineering (IJTPE)	Effect of applied static stresses on the behavior of mechanical element	احمد سعدون عبد العزيز احمد نافع راشد د.عبدالحق عبدالقادر الدباغ	52
	Scopus	2022	International Research Journal of Innovations in Engineering and Technology (IRJIET)	Select the Optimum Die Design for Flange Coupling Forming By Hot Forging	محمد نجيب عبدالله باحث اخر	53
	Scopus	2022	International Journal on "Technical and Physical Problems of Engineeri	EFFECT OF CHANGE IN FORMING DIES SHAPE AND METALS ON EXTRUSION FORCE - NUMERICAL ANALYSIS AND EXPERIMENTAL STUDY	ماجد مدحت سعيد محمد نجيب علاء دحام يونس	54
	Scopus	2022	AIP Conference Proceedings	The effect of sulfurous water on the corrosion behavior of carbon steel with different carbon ratio	غيداء ابراهيم حسين السراج سهى هاشم احمد	55
	Scopus	2022	International Journal on Technical and Physical Problems of Engineering(IJTPE)	The تأثير سرعة التشكيل على موقع التخصر خلال عملية تشكيل الصفائح المعدنية effect of forming speed on the position of necking during sheets metals forming process	انس عبيد ادريس قيس حازم اسماعيل قاسم محمد شعلان عبد فتحي	56
	Scopus	2022	Journal of Vibration Engineering and Technologies	Active Balancing Disk of Rotor-Bearing Systems Based on Vibration Amplitude Data: MATLAB-Aided Wireless Control	محمد طارق سليمان العبود	57
تعاون مع باحثين خارج القسم	Scopus	2022	International J. Mechanical Science	Impacts of compact diffuser shroud on wind turbine aerodynamic performance: CFD and Experimental study	Ali Alkhabbaz Ho-Seong Yang Watchara Tongphong Young-Ho Lee	58
تعاون مع باحثين خارج القسم	Scopus	2022	Energies	FOWT stability study according to number of columns considering amount of materials used	Ho-Seong Yang Ali Alkhabbaz Watchara Tongphong Dylan Sheneth Edirisinghe Young-Ho Lee	59
تعاون مع باحثين خارج القسم	Scopus	2022	Proceedings of the institution of mechanical engineers part C, Journal of Mechanical Engineering Science	Preferred location of the porous sleeve in a concentric annulus depending on the thermal insulation	Hudhaifa Hamzah Laith M. Jasim Ali Alkhabbaz	60

تعاون مع باحثين خارج القسم	Scopus	2023	Energy Reports	Thermal conductivity improvement in a green building with Nano insulations using machine learning methods	Mohammad Ghalandari Azfarizal Mukhtar Ahmad Shah Hizam Md Yasir Ali Alkhabbaz	61
تعاون مع باحثين خارج القسم	Scopus	2023	ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)	Gearbox Vibration Analysis Using a Spectrogram and Power Spectrum Approach	سفيان عبدالحكيم محمد نوبي مهدي غزالي جميل عبدو	62
تعاون مع باحثين خارج القسم	Scopus	2023	International Journal on Technical and Physical Problems of Engineering (IJTPE)/ March 31, 2023	(A PRACTICAL MEASUREMENTS OF FRICTION COEFFICIENTS DURING COMPACTION PROCESS OF DIFFERENT CERAMIC POWDERS)	د. عبدالحق عبدالقادر حامد د. حازم محمد عبد	63
تعاون مع باحثين خارج القسم	Scopus	2023	Renewable Energy	Numerical and experimental investigation on water vortex power plant to recover the energy from industrial wastewater	Ali Alkhabbaz and others	64