الجامعة التقنية الشمالية
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البحوث المنشورة للكادر التدريسي

#	اسم الباحث	تسلسل البحث	عنوان البحث	اسم المجلة	سنة النشر	رابط البحث	نوع المجلة
1	ا.م احمد مصطفى سليم	1	Evaluating Solar Cooling Performance Across Iraq Through Weather Data Simulation and System Modeling	International Journal of Heat and Technology	2026	Link	سكوبس
		2	Experimental Study of Performance Enhancement of a Single: Pass Solar Air Heater by Using Lauric Acid as PCM	Springer Proceedings in Earth and Environmental Sciences	2026	Link	سكوبس
		3	Improving Solar Air Heater Collector Performance With Coil Tube Filled by Phase Change Material Under Opposing Flow Forced Convection	Energy Storage	2026	Link	سكوبس
		4	Investigation of the Impact of Utilizing Lauric Acid and Paraffin Wax as PCM in a Single-Pass Solar Air Heater: Experimental Study	NTU Journal of Renewable Energy	2025	Link	محلية
		5	Performance of compound parabolic concentrator solar air flat plate collector using phase change material	Applied Thermal Engineering	2024	Link	سكوبس
		6	Performance of Thermal Insulation of Different Composite Walls and Roofs Materials Used for Energy Efficient Building Construction in Iraq	Frontiers in Heat and Mass Transfer	2024	Link	سكوبس
		7	Development of compound parabolic concentrator based on flat plate receiver solar air heater and phase change material	NTU Journal of Renewable Energy	2024	Link	محلية
		8	Investigation of the impact of utilizing PCM into a coil in a single-pass air heater (experimental study)	NTU Journal of Renewable Energy	2024	Link	محلية
		9	Experimental investigation of solar air heater with energy storage unit	NTU Journal of Renewable Energy	2024	Link	محلية
		10	Experimental Study of Performance Enhancement of a Single-Pass Solar Air Heater by Using Lauric Acid as PCM	International Conference on Sustainable Development Techniques	2024	Link	عالمية
		11	Numerical investigation of Nusselt number for nanofluids flow in an inclined cylinder	Frontiers in Heat and Mass Transfer	2021	Link	سكوبس
		12	Effect of suction or blowing on velocity and temperature distribution of flow over a flat plate	Materials Today: Proceedings	2021	Link	سكوبس
		13	Simulation and investigation of nano-refrigerant fluid characteristics with the two-phase flow in microchannel	Frontiers in Heat and Mass Transfer	2021	Link	سكوبس
		14	Numerical analysis of standard-unstandard gears for an external gear pumps	International Journal of Fluid Machinery and Systems	2021	Link	سكوبس
		15	Prediction of Global Solar Radiation on A Horizontal Surface Using Angstrom Model	Journal of Mechanical Engineering Research and Developments	2021	Link	سكوبس
		16	MATHEMATICAL MODEL FOR A PROPORTIONAL CONTROL VALVE OF A HYDRAULIC SYSTEM	International Journal of Mechanical and Production Engineering Research and Development	2020	Link	عالمية
		17	Structural properties of nanocrystalline TiN film	Proceedings of Odessa Polytechnic University	2012	Link	عالمية
		18	Fatigue behaviour of aluminum alloy at elevated temperature	Modern Applied Science	2009	Link	عالمية
		19	Cold Extrusion of Carbon Electrodes Using Dies of CRHS Concept and Performance Analysis	Modern Applied Science	2009	Link	عالمية
		20	NUMERICAL INVESTIGATION OF NATURAL CONVECTION HEAT TRANSFER FROM CIRCULAR CYLINDER INSIDE AN ENCLOSURE CONTAINING NANOFLUIDS	International Journal of Engineering and Technology	2014	Link	عالمية
2	ا.م.د قيس عبد يوسف	1	Experimental Investigation of Heat Exchanger Effectiveness Using Hybrid Nanofluid	Springer Proceedings in Earth and Environmental Sciences	2026	Link	سكوبس
		2	Enhanced Performance of a Standing Wave Thermoacoustic Refrigerator Using Optimized Design Parameters and Helium Gas at High Pressure	Springer Proceedings in Earth and Environmental Sciences	2026	Link	سكوبس
		3	Experimental Study of Effect Vertical Vibration on Heat Transfer of Vehicle Radiator	International Journal of Computational Methods and Experimental Measurements	2025	Link	سكوبس
		4	Design and manufacture of a thermo-acoustic refrigerator by applying high-amplitude sound waves to compress cooling agent: a review	Journal of Thermal Analysis and Calorimetry	2025	Link	سكوبس
		5	Conjugate local thermal nonequilibrium and non-Darcy flow inside porous enclosure: Analysis of localized heating and cooling arrangements	Heat Transfer	2023	Link	سكوبس
		6	FREE CONVECTIVE HEAT TRANSFER CREATED FROM HEATED CYLINDER IMMERSED INSIDE DUCT COOLED FROM SIDE	Frontiers in Heat and Mass Transfer	2023	Link	سكوبس
		7	A thermal nonequilibrium model to natural convection inside non-Darcy porous layer surrounded by horizontal heated plates with periodic boundary temperatures	Heat Transfer	2021	Link	سكوبس
		8	Evaluation Optimal Friction Factor Correlation in Turbulent Pipe Flow by Genetic Algorithm	1st International Multi-Disciplinary Conference Theme: Sustainable Development and Smart Planning	2020	Link	عالمية
		9	Analysis of Two-Phase Flow inside Porous Diffuser	1st International Multi-Disciplinary Conference Theme: Sustainable Development and Smart Planning	2020	Link	عالمية
		10	Optimized Condition for Pairing of Different Friction Factor and Viscosity Equations for the Frictional Pressure Drop of R22 and R290	International Journal of Air-Conditioning and Refrigeration	2019	Link	سكوبس
		11	Numerical Simulation of Natural Convection and Radiation on Performance of uniform Fins Geometry	2019 International Conference on Advanced Science and Engineering (ICOASE 2019)	2019	Link	سكوبس
		12	Analysis of outcomes of the frictional pressure drop prediction using different data source	Jurnal Teknologi	2016	Link	سكوبس
		13	Modeling of the minimized two-phase flow frictional pressure drop in a small tube with different correlations	Jurnal Teknologi	2016	Link	سكوبس
		14	Optimization of the friction factor and frictional pressure drop of R22 and R290	International Journal of Technology	2016	Link	سكوبس
3	ا.م حسام نوفل صالح	1	Impact of CuO+ H2O nanofluid on the cooling towers performance with varying packing densities	Results in Engineering	2025	Link	سكوبس
		2	Impacts of geometric configurations on performance of discharge coefficient and wall pressure of Venturi meter under high Reynolds number	International Journal of Ventilation	2024	Link	سكوبس
		3	Experimental Investigation on the Effect of Sawdust Particles Size on Its Thermal Conductivity	International Journal of Heat and Technology	2023	Link	سكوبس
		4	Impacts of adding porous media on performance of double-pass solar air heater under natural and forced air circulation processes	International Journal of Mechanical Sciences	2021	Link	سكوبس
		5	Mixed convective of hybrid nanofluids flow in a backward-facing step	Case Studies in Thermal Engineering	2021	Link	سكوبس
		6	Performance analysis of triple-pass solar air heater system: Effects of adding a net of tubes below absorber surface	Solar Energy	2020	Link	سكوبس
		7	A NEW STORAGE DOMESTIC WATER HEATER WITH SOLAR COLLECTOR	The 2nd Engineering Conference for the Golden Jubilee of the College of Engineering – Mosul University	2013	Link	محلية
4	ا.م بدران محمد سالم	1	Performance analysis of hybrid photovoltaic thermal solar system in Iraq climate condition	Thermal Science and Engineering Progress	2020	Link	سكوبس
		2	Analysis of two-phase flow in a double-pipe heat exchanger filled with porous media	International Journal of Heat and Mass Transfer	2020	Link	سكوبس
		3	Performance Investigation of refrigerant R-407C as a Replacement to refrigerant R22 in Window Air Conditioner Unit	Journal of Civil Engineering Frontiers	2020	Link	عالمية
		4	Experimental investigation on the influence of duct material on the heat gain to air flow	2019 International Engineering Conference (IEC)	2019	Link	سكوبس
		5	Experimental investigation to retrofit HCFC-22 window air conditioner with R-407C	2019 International Conference on Advanced Science and Engineering (ICOASE)	2019	Link	سكوبس
		6	Economic feasibility study of modern and conventional central heating systems for villa located in Duhok City, Iraq	Engineering and Technology Journal	2017	Link	محلية
		7	THE ORATICAL ANALYSIS OF FLAT PLATE SOLAR COLLECTOR PLACED IN MOSUL CITY BY USING DIFFERENT ABSORBING MATERIALS AND FLUIDS	Kufa Journal of Engineering	2015	Link	سكوبس
		8	Life-Cycle Cost Analysis for Three Different Types of A/C Systems Applied on an Apartment Located in a Multi-Floors Residential Tower in Mosul City	Engineering & Technology Journal	2014	Link	محلية
		9	COMPARATIVE ANALYSIS BETWEEN MODERN AND CONVENTIONAL HVAC SYSTEMS FOR USE AT COMMERCIAL BUILDING IN BAGHDAD CITY / IRAQ	AL-Taqani	2017	Link	محلية

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5	م.د عمار حسن سهيل	1	Thermo-hydraulic and second-law performance assessment of MXene ionanofluids in flat-plate solar collectors	Energy Reports	2026	Link	سكوبس
		2	Experimental Investigation of Hybrid Al_2O_3-CuO/Water Nanofluids in Counter Flow Double-pipe Heat Exchangers: Enhanced Heat Transfer Performance for HVAC Applications	Journal of Heat and Mass Transfer Research	2026	Link	سكوبس
		3	Beyond plain water: Nanofluid-wetted evaporative pre-cooling for enhanced COP and reduced exergy destruction in split-type air conditioners	Environmental Progress & Sustainable Energy	2026	Link	سكوبس
		4	Hybrid TiO2–Fe3O4 nanofluid and hinged bending turbulators for high-efficiency PVT flat-plate collectors: Experimental assessment of heat transfer, energy, and exergy performance	Unconventional Resources	2026	Link	سكوبس
		5	Solar adsorption ice maker using Maxsorb III activated carbon/ethanol as a high-performance working pair: Thermodynamic characterization, field validation, and performance enhancement	Environmental Progress & Sustainable Energy	2026	Link	سكوبس
		6	Solar air heater energy and exergy enhancement using a v-corrugated wire mesh absorber: an experimental comparison	Energy	2024	Link	سكوبس
		7	CFD Analysis of Improving Air Conditioning System Performance By Adding SiO2 Nanoparticles To The Compressor Oil	CFD Letters	2024	Link	سكوبس
		8	Performance Augmentation of Household Batch Digester using a Circular Horizontal Extended Surface	Tikrit Journal of Engineering Sciences	2024	Link	سكوبس
		9	Analysis of Heat Transfer inside Rectangular Micro-Channel with Wavy Surface and Hybrid Nanofluids	Frontier in Heat and Mass Transfer	2025	Link	سكوبس
		10	CFD analysis for anaerobic digestion inside a batch digester augmented with extended surfaces	Frontiers in Heat and Mass Transfer (FHMT)	2023	Link	سكوبس
		11	Experimental Investigation on the Effect of Sawdust Particles Size on Its Thermal Conductivity	International Journal of Heat and Technology	2023	Link	سكوبس
		12	EXPERIMENTAL COMPARISON OF THERMAL PERFORMANCE BETWEEN V-CORRUGATED AND FLAT PLATE SOLAR COLLECTORS	International Journal on Technical and Physical Problems of Engineering	2023	Link	سكوبس
		13	EXTENDING TWO STEPS ANAEROBIC DIGESTION MODELS TO INCORPORATE SURFACE AREA EFFECT	International Journal on Technical and Physical Problems of Engineering	2023	Link	سكوبس
		14	Simulation and investigation of nano-refrigerant fluid characteristics with the two-phase flow in microchannel	Frontiers in Heat and Mass Transfer	2021	Link	سكوبس
		15	Numerical investigation and comparison for heat transfer coefficient for two eco-friendly Nano refrigerants in horizontal tube	Journal of Engineering and Technology	2018	Link	محلية
		16	Numerical and Experimental Study of Counter Flow Cooling Tower Performance with Difference Packs Porosity and Configuration	Al-Rafadain Engineering Journal	2013	Link	محلية
6	م.د عمر عبد الهادي مصطفى	1	Colorimetric “off–on” sensing of penicillamine via copper-mediated modulation of laccase-mimetic activity of trimanganese tetroxide nanoflowers	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2026	Link	سكوبس
		2	Strain-promoted azide-alkyne cycloaddition-based fluorometric detection of azvudine using DBCO-functionalized carbon dots	Microchimica Acta	2026	Link	سكوبس
		3	Effectiveness of indirect evaporative cooling in battery thermal management systems based on a novel heat pipe structure: An experimental study	Applied Thermal Engineering	2025	Link	سكوبس
		4	Experimental Investigation of the Thermal Behavior of Semi-Solid Materials	International Journal of Applied Mechanics and Engineering	2025	Link	سكوبس
		5	Practical study on heat pump enhancement by the solar energy	E3S Web of Conferences	2021	Link	سكوبس
		6	Analysis of the generated output energy by different types of wind turbines	Journal of Human, Earth, and Future	2020	Link	سكوبس
		7	Heat pump application for water distillation	2019 International Multi-Conference on Industrial Engineering and Modern Technologies	2019	Link	سكوبس
		8	Применение теплового насоса для дистилляции воды (Heat pump application for water distillation)	Vestnik of Kazan State Power Engineering University	2019	Link	عالمية
		9	Моделирование влияния продольного прямоугольного оребрения на эффективность теплообмена (Modeling the effect of longitudinal rectangular fins on heat transfer)	Izvestiya Vysshikh Uchebnykh Zavedenii. Problemy Energetiki	2019	Link	عالمية
		10	Longitudinal fin effect on effectiveness of double pipe heat exchanger	International Conference on Industrial Engineering	2018	Link	عالمية
		11	COMPUTATIONAL ANALYSIS OF FLAME BEHAVIOR EJECTED FROM UP TO DOWN INSIDE A VERTICAL COMBUSTION CHAMBER OF A BOILER USING IRAQI NATURAL GAS AS A FUEL	International Journal of Advanced Research (IJAR)	2017	Link	عالمية
		12	Experimental investigation on the effect of sawdust particles size on its thermal conductivity	International Journal of Heat and Technology	2023	Link	سكوبس
		13	Численное исследование закономерностей горения природного газа в вертикальной топке (Numerical study of natural gas combustion in a vertical furnace)	Vestnik of Belgorod State Technological University	2013	Link	عالمية
		14	Горение природного газа в вертикальном факеле (Natural gas combustion in a vertical flame)	Promyshlennaya Energetika	2013	Link	عالمية
		15	ДЛИНА ВЕРТИКАЛЬНОГО ФАКЕЛА ПРИ ДИФФУЗИОННОМ ГОРЕНИИ ПРИРОДНОГО ГАЗА (Length of vertical flame in diffusion combustion of natural gas)	Mathematical Methods in Engineering and Technology (MMTT)	2013	Link	عالمية
		16	ANALYSIS OF THE GENERATED OUTPUT ENERGY BY DIFFERENT TYPES OF WIND TURBINES	Journal of Human, Earth, and Future	2020	Link	عالمية
7	م. اسماء طه حسين	1	Impact of CuO+ H2O nanofluid on the cooling towers performance with varying packing densities	Results in Engineering	2025	Link	سكوبس
		2	Enhancement performance of vapor compression system using nano copper oxide lubricant inside compressor and a fluidized bed for condenser cooling	Case Studies in Thermal Engineering	2023	Link	سكوبس
		3	Experimental investigation for vapor compression system performance enhancement through condenser cooling by using shallow fluidized bed	Journal of Thermal Analysis and Calorimetry	2023	Link	سكوبس
		4	Impact of using triple adiabatic obstacles on natural convection inside porous cavity under non-darcy flow and local thermal non-equilibrium model	International Communications in Heat and Mass Transfer	2022	Link	سكوبس
		5	Prediction of Global Solar Radiation on A Horizontal Surface Using Angstrom Model	Journal of Mechanical Engineering Research and Developments	2021	Link	سكوبس
		6	Modeling of Heat Transfer from a Horizontal Tube Immersed in a Shallow Gas Fluidized Bed	Al-Rafidain Engineering	2013	Link	محلية
8	م. انوار احمد يوسف	1	Effect of CuO-Water Nanofluid on Natural Convection from Heated Cylinders in a Duct	Results in Engineering	2025	Link	سكوبس
		2	Experimental investigation for vapor compression system performance enhancement through condenser cooling by using shallow fluidized bed	Journal of Thermal Analysis and Calorimetry	2023	Link	سكوبس
		3	Conjugate local thermal nonequilibrium and non-Darcy flow inside porous enclosure: Analysis of localized heating and cooling arrangements	Heat Transfer	2023	Link	سكوبس
		4	Impact of using triple adiabatic obstacles on natural convection inside porous cavity under non-darcy flow and local thermal non-equilibrium model	International Communications in Heat and Mass Transfer	2022	Link	سكوبس
		5	Natural convection heat transfer from a bank of orthogonal heated plates embedded in a porous medium using LTNE model: A comparison between in-line and staggered arrangements	International Journal of Thermal Sciences	2021	Link	سكوبس
		6	Effect of suction or blowing on velocity and temperature distribution of flow over a flat plate	Materials Today: Proceedings	2021	Link	سكوبس
		7	Analysis of effects of thermal non-equilibrium and non-Darcy flow on natural convection in a square porous enclosure provided with a heated L shape plate	International Journal of Mechanical Sciences	2020	Link	سكوبس
		8	Comparison between a Heat Pipe and a Thermosyphon Performance with Variable Evaporator Length	Al-Rafidain Engineering Journal (AREJ)	2013	Link	محلية
9	م. بنان نجم الدين عبد الله	1	CFD Analysis of Improving Air Conditioning System Performance by Adding SiO2 Nanoparticles to the Compressor Oil	CFD Letters	2025	Link	سكوبس
		2	Analysis of Heat Transfer inside Rectangular Micro-Channel with Wavy Surface and Hybrid Nanofluids	Frontiers in Heat and Mass Transfer	2025	Link	سكوبس
		3	Optimizing of heat transfer and flow characteristics within a roughened solar air heater duct with compound turbulators	Asia-Pacific Journal of Chemical Engineering	2024	Link	سكوبس
		4	ENERGY CONVERSION OF V-CORRUGATED ABSORBER PLATE SOLAR AIR HEATER WITH PHASE CHANGE MATERIAL	International Journal on Technical and Physical Problems of Engineering	2023	Link	سكوبس
		5	Enhancement of Heat Exchanger Effectiveness by Using Water-Al2O3 as a working substance	SSRG International Journal of Thermal Engineering	2020	Link	عالمية

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10	م. شيماء سالم يونس	1	The Impact of Equatorial Proximity on Thermal Performance in Residential Apartment Spaces	International Journal of Sustainable Development and Planning	2024	Link	سكوبس
		2	The Effect of Nano Insulating Materials on the Thermal Performance of Residential Apartments	International Journal of Design & Nature and Ecodynamics	2023	Link	سكوبس
		3	The effect of geometrical characteristics and space layout on the efficient thermal performance in residential apartments	IOP Conference Series: Materials Science and Engineering	2021	Link	سكوبس
11	م. عبد الله عادل بدر	1	Thermophysical performance enhancement of vapor-compression chiller systems via metal oxide nanofluid integration	Environmental Progress & Sustainable Energy	2026	Link	سكوبس
		2	Evaluating Solar Cooling Performance Across Iraq Through Weather Data Simulation and System Modeling	International Journal of Heat and Technology	2026	Link	سكوبس
		3	Performance of Thermal Insulation of Different Composite Walls and Roofs Materials Used for Energy Efficient Building Construction in Iraq	Frontiers in Heat and Mass Transfer	2024	Link	سكوبس
		4	Performance of solar vortex engine integrated with the PV panel: Experimental assessment	Renewable Energy	2023	Link	سكوبس
		5	CFD Based Numerical Performance Assessment of a Solar Air Heater Duct Roughened by Transverse-Trapezoidal Sectioned Ribs	International Journal of Heat and Technology	2023	Link	سكوبس
		6	Experimental assessment of performance for atmospheric vortex engine	AIP Conference Proceedings	2023	Link	سكوبس
		7	A Review of Atmospheric Vortex Engine Generated by Solar Air Collector	NeuroQuantology	2022	Link	عالمية
12	م.م صهيب حسن محمد	1	Use of adsorption pair of activated carbon and methanol in solar ice maker	Applied Thermal Engineering	2026	Link	سكوبس
		2	Enhancement of the efficiency of solar collector by SiO2, TiO2, and ZnO thin films layers	Journal of Engineering Research (Kuwait)	2025	Link	سكوبس
		3	Numerical Investigation Thermal Performance of Solar Air Heater Using Different Angle V-Grooved of Corrugated Absorber Plate	Frontiers in Heat and Mass Transfer	2023	Link	سكوبس
		4	A review improve the solar collectors efficiency by thin films techniques	Journal of Mechanical Engineering Research and Developments	2021	Link	سكوبس
13	م.م عمر سعدون خليل	1	Enhancement of double-pipe heat exchanger effectiveness by using porous media and TiO2 water	CFD Letters	2023	Link	سكوبس
		2	Enhancement of double-pipe heat exchanger effectiveness by using water-CuO	NTU Journal of Engineering and Technology	2022	Link	محلية
		3	ENERGY CONVERSION OF V-CORRUGATED ABSORBER PLATE SOLAR AIR HEATER WITH PHASE CHANGE MATERIAL	International Journal on Technical and Physical Problems of Engineering	2023	Link	سكوبس
14	م.م محمد طه محمد	1	Experimental Investigation of Hybrid Al_2O_3-CuO/Water Nanofluids in Counter Flow Double-pipe Heat Exchangers: Enhanced Heat Transfer Performance for HVAC Applications	Journal of Heat and Mass Transfer Research	2026	Link	سكوبس
		2	Experimental Thermal-Hydraulic Analysis of Double-Pipe Exchanger with Helical Fins and Al_2O_3/Water Nanofluid	Heat Transfer Research	2026	Link	سكوبس
		3	Numerical Assessment of Thermal-Hydraulic Performance of SiO2-Water Nanofluid in a Channel with Trapezoidal Obstacles	International Journal of Heat and Technology	2026	Link	سكوبس
		4	Solar adsorption ice maker using Maxsorb III activated carbon/ethanol as a high-performance working pair: Thermodynamic characterization, field validation, and performance enhancement	Environmental Progress & Sustainable Energy	2026	Link	سكوبس
		5	Evaluating Solar Cooling Performance Across Iraq Through Weather Data Simulation and System Modeling	International Journal of Heat and Technology	2026	Link	سكوبس
		6	Thermophysical performance enhancement of vapor-compression chiller systems via metal oxide nanofluid integration	Environmental Progress & Sustainable Energy	2026	Link	سكوبس
15	م.م احمد هاني غانم	1	Performance Enhancement of a Solar Air Heater with V-Corrugated Absorber and Steel Wool	International Journal of Heat and Technology	2025	Link	سكوبس
		2	Experimental Investigation of Hybrid Al_2O_3-CuO/Water Nanofluids in Counter Flow Double-pipe Heat Exchangers: Enhanced Heat Transfer Performance for HVAC Applications	Journal of Heat and Mass Transfer Research	2026	Link	سكوبس
		3	Evaluating Solar Cooling Performance Across Iraq Through Weather Data Simulation and System Modeling	International Journal of Heat and Technology	2026	Link	سكوبس
		4	Numerical investigation and comparison for heat transfer coefficient for two eco-friendly Nano refrigerants in horizontal tube	International Journal of Engineering & Technology	2018	Link	عالمية
		5	Assessment for Heat Transfer Enhancement in Heat Exchangers by Using Dimples geometry	Association of Arab Universities Journal of Engineering Sciences	2017	Link	محلية
16	م.م راند عبد الهادي عبد القادر	1	Some best proximity point results and an application to nonlinear integral equations on partial metric spaces	Journal of Interdisciplinary Mathematics	2022	Link	سكوبس
		2	Optimal solutions of minimization problems via new best proximity point results on quasi metric spaces	Carpathian Journal of Mathematics	2025	Link	سكوبس
17	م.م قصي يونس حامد	1	Shape memory alloys actuated upper limb devices: A review	Sensors and Actuators Reports	2023	Link	سكوبس
		2	Exergy and Energy Analysis of 150 MW Gas Turbine Unit: A Case Study	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2020	Link	سكوبس
		3	A numerical approach for solving problems in robotic arm movement	Production & Manufacturing Research	2018	Link	سكوبس
		4	Ultrasonic attenuation of (Al-SiC) particulate aluminum matrix composite	Al-Rafidain Engineering Journal	2015	Link	محلية
		5	W-DFAS rehabilitation Glove: Design and experimental Validation	Engineering Science and Technology, an International Journal	2026	Link	سكوبس
		6	Experimental Study of a Dry Sliding Wear for a Different Materials Using a Pin-on-Disk Apparatus	Materials Science Forum	2021	Link	سكوبس
18	م.م نوري رعد نوري	1	Numerical and experimental analysis of thermal transfer for radial-shaped holed fins	Ain Shams Engineering Journal	2025	Link	سكوبس
		2	A study of finding empirical correlation for the Nusselt number and the factors influencing it for perforated fin array of different shapes	Ain Shams Engineering Journal	2024	Link	سكوبس
		3	The experimental impact of convective heat transfer improvement from numerous perforated shape fin array	Al-Rafidain Engineering Journal	2023	Link	محلية
19	م.م صفا اكرم يونس	1	Sonar Data Classification Using Deep Learning Techniques	3rd International Conference on Business Analytics for Technology and Security, ICBATS 2025	2025	Link	سكوبس
20	م.م زينة احمد محمد	1	Solar adsorption ice maker using Maxsorb III activated carbon/ethanol as a high-performance working pair: Thermodynamic characterization, field validation, and performance enhancement	Environmental Progress & Sustainable Energy	2026	Link	سكوبس
		2	Numerical Assessment of Thermal-Hydraulic Performance of SiO2-Water Nanofluid in a Channel with Trapezoidal Obstacles	International Journal of Heat and Technology	2026	Link	سكوبس
		3	Investigation of the impact of utilizing PCM into a coil in a single-pass air heater (experimental study)	NTU Journal for Renewable Energy	2024	Link	محلية
21	م.م عبد الرحمن اياد محمود	1	Beyond plain water: Nanofluid-wetted evaporative pre-cooling for enhanced COP and reduced exergy destruction in split-type air conditioners	Environmental Progress & Sustainable Energy	2026	Link	سكوبس
		2	Experimental Investigation of Solar Air Heater with Energy Storage Unit	NTU Journal for Renewable Energy	2024	Link	محلية