

No.	Author Name (English)	Author Name (Arabic)	Title	Year	Source title	Volume	Issue	DOI	Link
1	Ali Jasim Mohammed Ahmed	علي جاسم محمد احمد	Review studies the improvements and the impact of conditions on split air conditioning system a way to improve, develop and reduce electricity consumption: A review	2026	AIP Conference Proceedings	3379	1	10.1063/5.0306303	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105033284072&doi=10.1063%2F5.0306303&partnerID=40&md5=abd75e2331b700cee3f67c2d4bd6df29
2	Bayan H. Al-Jaleel	بayan حكمت مقلبي	Pollution assessment indices of rare earth elements in stream sediments along the Rawanduz River, Kurdistan Region, Iraq	2026	Carbonates and Evaporites	41	2	10.1007/s13146-026-01272-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105038001666&doi=10.1007%2F5.13146-026-01272-8&partnerID=40&md5=4ae4041221b8946de83c0784d7dccc08c
3	Iman Hussain Zainulabdeen	امان حسين زين العابدين	A Hybrid Fuzzy AHP-TOPSIS Analysis for Selecting the Optimal Catalyst To Maximize Bio-Oil Yield from Waste Plastics Pyrolysis	2026	Waste and Biomass Valorization	17	3	10.1007/s12649-025-03209-z	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010647092&doi=10.1007%2F5.12649-025-03209-z&partnerID=40&md5=6d40ae4d730141258a2f28225a79e549
4	Khawla Dawood Khalef	خولة داود خلف	Investigation of the Temperature Distribution and Hardness Resistance of Aluminum Alloy Models Welded by Friction Stir Welding and with Preheated Welding Tool	2026	International Journal of Heat and Technology	44	2	10.18280/ijht.440221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105040389472&doi=10.18280%2Fijht.440221&partnerID=40&md5=122a8ca56636636c40269b789931dc28
5	Laeth Ali Hussein	لايث علي حسين	Effect of 1064-nm Laser Ablation on the Synthesis of Barium Titanate Nanoparticles Deposited on Porous Silicon for Photonic Detector Applications	2026	The Journal of the Minerals, Metals & Materials Society	78	5	10.1007/s11837-026-08222-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105033597959&doi=10.1007%2F5.11837-026-08222-8&partnerID=40&md5=490424874b91064d067087159c08f684
6	Laeth Ali Hussein	لايث علي حسين	Machine learning algorithms to enhance PVT cooling performance with Y2O3 nanofluids	2026	Chemical Engineering Science	325		10.1016/j.ces.2026.123345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105028155989&doi=10.1016%2Fj.ces.2026.123345&partnerID=40&md5=26c99dce5a6872734146abd6e85f448b
7	Milia Hameed Majeed	ميليا حميد حميد	Enhancing tilted solar still performance by improving evaporation with a cotton wick and condensation with thermoelectric cooling through experimental and economic analysis	2026	Clean Energy	10	2	10.1093/ce/zkag001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105035685793&doi=10.1093%2Fce.zkag001&partnerID=40&md5=7991239ad4fd0bead27e0fafafaf6d9
8	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Electrodialysis Process Application for Pigment Wastewater Treatment Using Ion Exchange Membranes	2026	ASEAN Journal of Chemical Engineering	26	1		
9	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Conversion of Algal Biomass Via Pyrolysis Process Into Pyro-Char Production at WasteWater Treatment Nrc Baji	2026	Journal of Chemical Technology and Metallurgy	61	2		
10	Obed Majeed Ali	عبيد مجيد علي	The Impact of Operating Conditions on Lubrication Oil Performance in Gas Turbines: A Thermal and Viscosity Analysis	2026	Springer Proceedings in Earth and Environmental Sciences	Part F 1927		10.1007/978-3-032-18970-7_40	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105039625652&doi=10.1007%2F978-3-032-18970-7_40&partnerID=40&md5=30ba3f5cc3542637188882d4e273ac4b
11	Obed Majeed Ali	عبيد مجيد علي	Enhancing Turbine Oil Cooling Efficiency to Mitigate Overheating Issues	2026	Springer Proceedings in Earth and Environmental Sciences	Part F 1927		10.1007/978-3-032-18970-7_41	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105039646424&doi=10.1007%2F978-3-032-18970-7_41&partnerID=40&md5=4b87f2b0fafa5660c8781b0db0032481
12	Obed Majeed Ali	عبيد مجيد علي	Experimental Investigation of the Thermal Performance of Porous-Media-Integrated Solar Air Collectors Under Variable Airflow Velocities and Real Climatic Conditions	2026	International Journal of Heat and Technology	44	2	10.18280/ijht.440217	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105040401244&doi=10.18280%2Fijht.440217&partnerID=40&md5=b802a27271606d6401a0c1fe1b2638a3
13	Obed Majeed Ali	عبيد مجيد علي	Hybrid palm kernel shell activated carbon-Xerogel adsorbents for efficient SO2 capture: Synthesis, characterization, and process optimization	2026	Separation Science and Technology (Philadelphia)			10.1080/01496395.2026.2671792	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105038642960&doi=10.1080%2F01496395.2026.2671792&partnerID=40&md5=5c1a73282fb60f12e41365b3cf922e31
14	Obed Majeed Ali	عبيد مجيد علي	Simulation of a gasoline engine to evaluate the performance and thermal efficiency using different gasoline fuels	2026	Results in Engineering	29		10.1016/j.rineng.2025.108514	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105024077272&doi=10.1016%2Fj.rineng.2025.108514&partnerID=40&md5=5659a7b58fa2dcd7dcf1eb78e6ba01a1
15	Qays Adnan Ali	قيس عدنان علي	CONVERSION OF ALGAL BIOMASS VIA PYROLYSIS PROCESS INTO PYRO-CHAR PRODUCTION AT WASTEWATER TREATMENT NRC BAJI	2026	Journal of Chemical Technology and Metallurgy	61	2	10.59957/jctm.v61.i2.2026.6	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105033661122&doi=10.59957%2Fjctm.v61.i2.2026.6&partnerID=40&md5=014d17d9176a25ebd40a7f4ebcb8d569b
16	Sherwan Mohammed Najm	شوروان محمد نجم	Effect of Nano-TiO2 Addition on Some Properties of Pre-Alloyed CoCrMo Fabricated via Powder Technology	2026	Materials	19	1	10.3390/ma19010186	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105027439656&doi=10.3390%2Fma19010186&partnerID=40&md5=9666a1b5344d95b49725d083f3e20a40
17	Sherwan Mohammed Najm	شوروان محمد نجم	Forming Technologies and Mechanical Properties of Advanced Materials—Second Edition	2026	Materials	19	9	10.3390/ma19091778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105038608773&doi=10.3390%2Fma19091778&partnerID=40&md5=a665d909cf71c9fa3db27c4550b14d5a
18	Sherwan Mohammed Najm	شوروان محمد نجم	Effect of Contact Conditions on Frictional Characteristics of Low-Carbon Deep-Drawn Steel Sheets	2026	Materials	19	6	10.3390/ma19061199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105034164624&doi=10.3390%2Fma19061199&partnerID=40&md5=c99a4c2a80b5e1b72e13518836fae7ef
19	Ahmed Saadallah Salman Mustafa	احمد سعدالله سلمان مصطفى	An assessment of solar power generating system as a solution to deal with global warming and climate change	2025	Journal of Water and Land Development		65	10.24425/jwid.2025.154257	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105008035369&doi=10.24425%2Fjwid.2025.154257&partnerID=40&md5=f7fe11028eb1c559b48ec3cfe346bf2
20	Ali Jasim Mohammed Ahmed	علي جاسم محمد احمد	Influence of hydrogen addition on the performance and emissions of gasoline engine	2025	Results in Engineering	26		10.1016/j.rineng.2025.105426	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105006608543&doi=10.1016%2Fj.rineng.2025.105426&partnerID=40&md5=06c54f76c606ccf64e46e840f902a37

21	Ali Jasim Mohammed Ahmed	علي جاسم محمد احمد	Experimental and numerical study of hydrogen and oxy-hydrogen enrichment from PEM electrolysis on spark-ignition engine performance	2025	International Journal of Hydrogen Energy	184		10.1016/j.ijhydene.2025.151820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105018305804&doi=10.1016%2Fij.ijhydene.2025.151820&partnerID=40&md5=6e2287c93872701275f66848dc6448d6
22	Aya Aws Saad	اية اوس سعد عبدالهادي	Flat-Plate Solar Collectors: Development Methods and Challenges	2025	Energy Systems Research	8	3	10.25729/esr.2025.03.0009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105025114907&doi=10.25729%2Fesr.2025.03.0009&partnerID=40&md5=45f886ef746132833c79048b07a6263
23	Aya Aws Saad	اية اوس سعد عبدالهادي	Comparative Performance of NF90 and NF270 Nanofiltration Membranes in Direct Dye Removal from Aqueous Solutions	2025	International Journal of Heat and Technology	43	4	10.18280/ijht.430422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105021402340&doi=10.18280%2Fijht.430422&partnerID=40&md5=41d9bfe58e2dfcc906c88468705e4cf2
24	Bayan H. Al-Jaleel	بayan حكمت صافي	Comparative Performance of NF90 and NF270 Nanofiltration Membranes in Direct Dye Removal from Aqueous Solutions	2025	International Journal of Heat and Technology	43	4	10.18280/ijht.430422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105021402340&doi=10.18280%2Fijht.430422&partnerID=40&md5=41d9bfe58e2dfcc906c88468705e4cf2
25	Iman Hussain Zainulabdeen	ايمان حسين زين العابدين	STUDY OF SOME PHYSICAL AND MECHANICAL CHARACTERISTICS OF PAULOWNIA TOMENTOSA S. WOOD PLANTED IN NORTHERN IRAQ	2025	Anbar Journal of Agricultural Sciences	23	1	10.32649/ajas.2025.186588	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010302122&doi=10.32649%2Fajas.2025.186588&partnerID=40&md5=4d777064f2966d6f25cbc7ad84faec9a
26	Iman Hussain Zainulabdeen	ايمان حسين زين العابدين	The Anatomical and Chemical Characteristics of Poloen Tomontosa Wood and the Extent of its Suitability in the Production of Pulp and Paper	2025	Natural and Engineering Sciences	10	1	10.28978/nesciences.1651141	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105006578280&doi=10.28978%2Fnesciences.1651141&partnerID=40&md5=b2f4e403e77c987b403bc84fd63e78e5
27	Maryam Abdulwahed Jasim	مريم عبدالواحد جاسم	Comparative experimental assessment of water cooling, PCM, and porous media for Photovoltaic-Trombe walls	2025	Environmental Progress and Sustainable Energy			10.1002/ep.70302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105026264235&doi=10.1002%2Fep.70302&partnerID=40&md5=94d76c161f65060fda797d7b0ad4f322
28	Milia Hameed Majeed	ميليا حميد مجيد حميد	Implementing sustainable zero energy building standards in Iraq energy efficiency measures	2025	Results in Engineering	28		10.1016/j.rineng.2025.107567	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105020861878&doi=10.1016%2Fj.rineng.2025.107567&partnerID=40&md5=a303631f14878e980ef65901ca5fe1a
29	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Recovery of tungsten from catalytic converter scraps using a Schiff-base adsorbent and subsequent preparation of tungsten oxide nanoparticles	2025	Materials Chemistry and Physics				
30	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Modified Meerscham for Removal of Methylene Blue Dye from Aqueous Solutions: Characterization, Adsorption Behavior, Performance Evaluation	2025	International Journal of Heat and Technology (IETA journal system)	21	1		
31	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Computational assessment of local thermal non-equilibrium effects on non-darcy chemical reactive flow of boger hybrid nanofluid with elastic deformation	2025	International Journal of Design and Nature and Ecodynamics				
32	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Comparative Performance of NF90 and NF270 Nanofiltration Membranes in Direct Dye Removal from Aqueous Solutions	2025	International Journal of Heat and Technology	43	4		
33	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Recycling studies of used engine air filters in the oil leak removal from salt-water	2025	Vietnam Journal of Chemistry				
34	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Energy Exploration and Recovery via Microwave Processing of Waste Spent Tea into Micro-Fuel Production	2025	International Journal of Heat and Technology				
35	Mohammed Qader Abdulrahman	محمد قادر عبدالرحمن	Heat transfer mechanism for Newtonian and non-Newtonian cation hybrid nanofluid subject to thermophoresis and Brownian motion over a movable wedge surface	2025	Multiscale and Multidisciplinary Modeling, Experiments and Design				
36	Morad Abdulwheed Radha Rasheed	مراد عبدالوحيد رضا رشيد	Recovery of tungsten from catalytic converter scraps using a Schiff-base adsorbent and subsequent preparation of tungsten oxide nanoparticles	2025	Materials Chemistry and Physics	344		10.1016/j.matchemphys.2025.131146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105008444996&doi=10.1016%2Fj.matchemphys.2025.131146&partnerID=40&md5=1a4842b88abf65b0ad90df7a991301a4
37	Morad Abdulwheed Radha Rasheed	مراد عبدالوحيد رضا رشيد	Modified Meerscham for Removal of Methylene Blue Dye from Aqueous Solutions: Characterization, Adsorption Behavior, Performance Evaluation	2025	International Journal of Design and Nature and Ecodynamics	20	9	10.18280/ij dne.200910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105021356216&doi=10.18280%2Fij dne.200910&partnerID=40&md5=38b3cc0ee99f06084277c4ba8dcd576e
38	Morad Abdulwheed Radha Rasheed	مراد عبدالوحيد رضا رشيد	Energy Exploration and Recovery via Microwave Processing of Waste Spent Tea into Micro-Fuel Production	2025	International Journal of Heat and Technology	43	2	10.18280/ijht.430227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105005938994&doi=10.18280%2Fijht.430227&partnerID=40&md5=ff8afa4595ed01a43c0342e787b2226d
39	Obed Majeed Ali	عبيد مجيد علي	Enhancement of Parabolic Trough Solar Collector Efficiency Using Solar Tracking Systems and Advanced Absorption Tube Coatings	2025	International Journal on Energy Conversion	13	6	10.15866/irecon.v13i6.26847	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105033745424&doi=10.15866%2Firecon.v13i6.26847&partnerID=40&md5=c1802dba7ad042aafef17783a3e7af064
40	Obed Majeed Ali	عبيد مجيد علي	Experimental and numerical study of hydrogen and oxy-hydrogen enrichment from PEM electrolysis on spark-ignition engine performance	2025	International Journal of Hydrogen Energy	184		10.1016/j.ijhydene.2025.151820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105018305804&doi=10.1016%2Fij.ijhydene.2025.151820&partnerID=40&md5=6e2287c93872701275f66848dc6448d6

41	Obed Majeed Ali	عبيد مجيد علي	Thermal, environmental, and economic analysis of the gas turbine fogging system	2025	Results in Engineering	25		10.1016/j.rineng.2025.103952	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85214527315&doi=10.1016%2fj.rineng.2025.103952&partnerID=40&md5=6d770361491e0e50e46079c9f16fcd8
42	Obed Majeed Ali	عبيد مجيد علي	Experimental study and economic cost analysis about enhancement productivity for a conventional solar still combined with humidifiers ultrasonic	2025	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	47	1	10.1080/15567036.2021.1924318	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105001424396&doi=10.1080%2f15567036.2021.1924318&partnerID=40&md5=cc2d7fb364a91bcbf98e97b8c8aaa9ed
43	Obed Majeed Ali	عبيد مجيد علي	Enhancing Flue Gas Cleaning with Modified Activated Carbon Surfaces: a Review Paper	2025	International Review of Mechanical Engineering	19	2	10.15866/ireme.v19i2.24987	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009342321&doi=10.15866%2fireme.v19i2.24987&partnerID=40&md5=32cf08b6b179d4c36a66be5990bc89
44	Obed Majeed Ali	عبيد مجيد علي	Influence of hydrogen addition on the performance and emissions of gasoline engine	2025	Results in Engineering	26		10.1016/j.rineng.2025.105426	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105006608543&doi=10.1016%2fj.rineng.2025.105426&partnerID=40&md5=06c54f7f6c606cccf64e46e840f902a37
45	Obed Majeed Ali	عبيد مجيد علي	Alternative Fuels to Reduce Diesel Fuel Consumption in Heavy Engines: a Review	2025	International Review of Mechanical Engineering	19	12	10.15866/ireme.v19i12.26713	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105035773797&doi=10.15866%2fireme.v19i12.26713&partnerID=40&md5=d52f20a5efc1706e28e36ca2230eadd9
46	Obed Majeed Ali	عبيد مجيد علي	Isotherm and kinetic models of SO2 adsorption on palm kernel shell-activated carbon and xerogel blends: Effect of flow rate and contact time	2025	Results in Engineering	25		10.1016/j.rineng.2025.103970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85214496456&doi=10.1016%2fj.rineng.2025.103970&partnerID=40&md5=c0dd27f4cedac689a3ea933bc24b2af
47	Rasha Sabah Aweid	رشا صباح عواد	Thermal, environmental, and economic analysis of the gas turbine fogging system	2025	Results in Engineering	25		10.1016/j.rineng.2025.103952	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85214527315&doi=10.1016%2fj.rineng.2025.103952&partnerID=40&md5=6d770361491e0e50e46079c9f16fcd8
48	Sherwan Mohammed Najm	شروان محمد نجم	Enhancing parabolic trough collector thermal efficiency: Experimental investigation of hybrid nanofluid	2025	International Review of Applied Sciences and Engineering	16	3	10.1556/1848.2025.01019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105008797322&doi=10.1556%2f1848.2025.01019&partnerID=40&md5=b660f4f21db3d6a79686d6abebc7587
49	Sherwan Mohammed Najm	شروان محمد نجم	An investigation into the microstructure of coating defects produced in a zinc melt with aluminum additives	2025	Kovove Materialy	63	5-Jun	10.31577/km.2025.5-6.263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105028132281&doi=10.31577%2fkm.2025.5-6.263&partnerID=40&md5=4eb30acc10bd64f8025a2fcd1581730
50	Sherwan Mohammed Najm	شروان محمد نجم	Study on the Choice of a Suitable Material Model for the Numerical Simulation of the Incremental Forming Process of Polymeric Materials	2025	Applied Sciences (Switzerland)	15	13	10.3390/app15137094	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010189244&doi=10.3390%2fapp15137094&partnerID=40&md5=0c97fcc15ad991f2daceae1c5af2d444
51	Sherwan Mohammed Najm	شروان محمد نجم	Emerging trends in advanced biomimetic composite materials inspired by biological structures and functions in nature	2025	AIMS Materials Science	12	4	10.3934/matricsci.2025034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105016889213&doi=10.3934%2fmatricsci.2025034&partnerID=40&md5=2c02eeb650b5c5da3e19ba5b17055f6c
52	YeldeZ JingeZ Subhi	يلدز جنكيز صبحي	Solving single variable functions using a new secant method	2025	Journal of Interdisciplinary Mathematics	28	1	10.47974/JIM-1854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85218776715&doi=10.47974%2fJIM-1854&partnerID=40&md5=b7c7c5b908df31590475642ef8937303
53	YeldeZ JingeZ Subhi	يلدز جنكيز صبحي	NUMERICAL AND CONVERGENCE ANALYSIS OF AN ENHANCED DAI-LIAO METHOD FOR UNCONSTRAINED OPTIMIZATION	2025	Barekeng	19	4	10.30598/barekengvol19iss4pp2993-3004	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105015307424&doi=10.30598%2fbarekengvol19iss4pp2993-3004&partnerID=40&md5=8d2e9b9974c86475ed15d36a37ca450e
54	YeldeZ JingeZ Subhi	يلدز جنكيز صبحي	Impact to formula gradient impulse noise reduction from images	2025	Journal of Interdisciplinary Mathematics	28	4	10.47974/JIM-2187	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105008540678&doi=10.47974%2fJIM-2187&partnerID=40&md5=12617db2e79360e18ff228753bee3486
55	Ahmed Saadallah Salman Mustafa	احمد سعدالله سلمان مصطفى	Air thermal management platform assessment in centralized and decentralized air-conditioning systems	2024	Journal of Thermal Analysis and Calorimetry	149	21	10.1007/s10973-024-13546-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201385466&doi=10.1007%2fs10973-024-13546-1&partnerID=40&md5=23f05cbf8e102202e6ed4f96f3e3b4c1
56	Ahmed Saadallah Salman Mustafa	احمد سعدالله سلمان مصطفى	Prediction of the operational performance of a vehicle seat thermal management system using statistical and machine learning techniques	2024	Case Studies in Thermal Engineering	60		10.1016/j.csite.2024.104626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195294204&doi=10.1016%2fj.csite.2024.104626&partnerID=40&md5=dc93f0e69fd0176b644b2195209df53c
57	Ali Jasim Mohammed Ahmed	علي جاسم محمد احمد	Enhancement of turbulent heat transfer by using CuO nano-particle and twisted tape	2024	Pollack Periodica	19	3	10.1556/606.2024.00985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85199000127&doi=10.1556%2f606.2024.00985&partnerID=40&md5=393bd410041ed3525dfdc24871c33bf9
58	Ali Jasim Mohammed Ahmed	علي جاسم محمد احمد	Numerical study on entropy minimization in pipes with helical airfoil and CuO nanoparticle integration	2024	Open Engineering	14	1	10.1515/eng-2022-0594	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85193514090&doi=10.1515%2feng-2022-0594&partnerID=40&md5=27a4f8cf7ce17591caac87fd0613f663
59	Aram Mohammed Ahmed	ارام محمد احمد	Thermal efficiency investigation for organic Rankine cycle and trilateral flash cycle using hydrofluoroether working fluids	2024	Results in Engineering	21		10.1016/j.rineng.2023.101648	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179583150&doi=10.1016%2fj.rineng.2023.101648&partnerID=40&md5=ee75da0e0a411f3ebce214dbb97c6132
60	Aram Mohammed Ahmed	ارام محمد احمد	Wet-to-dry transition description in the mixture of working fluids	2024	Discover Applied Sciences	6	2	10.1007/s42452-024-05702-x	https://www.scopus.com/inward/record.uri?eid=2-s2.0-8519509201&doi=10.1007%2fs42452-024-05702-x&partnerID=40&md5=bd898ba2c6546298a5c5bc2d65da79ed9

61	Aysha Shawkat Hasan	عائشة شوكت حسن	Modelling of SI Engine Performance and Emissions with Ether Additives and Low-Octane Gasoline Using Artificial Neural Network	2024	International Journal on Energy Conversion	12	6	10.15866/irecon.v12i6.25300	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105005523391&doi=10.15866%2firecon.v12i6.25300&partnerID=40&md5=c0c8822f1b6be1be82d44c1ce840cf3b
62	Faisal Ghazi Bashaw	فيصل غازي بشاو	Study and Evaluation of a New Predictive Control Method for Speed and Stator Current Control of Induction Motor	2024	BIO Web of Conferences	97		10.1051/bioconf/20249700109	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190596511&doi=10.1051%2fbioconf%2f20249700109&partnerID=40&md5=41b1187443a0b16e13bebe8df9845aa
63	Gulan Aziz Bakr	كرلان عزيز بكر	Influence of collector type and the glass cover cooling on the performance of the solar distiller integrated with the solar collectors	2024	Energy Reports	11		10.1016/j.egy.2024.05.076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194844009&doi=10.1016%2fj.egy.2024.05.076&partnerID=40&md5=e1019fbedf6ab1283df256ffcf71b292
64	Gulan Aziz Bakr	كرلان عزيز بكر	Recent Enhancement Techniques in the Solar Still: A Comprehensive Review	2024	AIP Conference Proceedings	2885	1	10.1063/5.0181424	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188315838&doi=10.1063%2f5.0181424&partnerID=40&md5=e727bdc3f1babd3be79b4604a02cc75d
65	Maryam Abdulwahed Jasim	مريم عبدالواحد جاسم	Experimental assessment of the effect of black dye and water depth on the performance of PV/solar distiller	2024	Desalination and Water Treatment	318		10.1016/j.dwt.2024.100317	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192110117&doi=10.1016%2fj.dwt.2024.100317&partnerID=40&md5=318240bb665aa09f4f3d562f29ac17f
66	Obed Majeed Ali	عبيد مجيد علي	Design and performance analysis of a Joule-Thomson cryocooler systems	2024	Energy Reports	11		10.1016/j.egy.2024.04.034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191407519&doi=10.1016%2fj.egy.2024.04.034&partnerID=40&md5=afdf27249b18ab61863c744656d7f503
67	Obed Majeed Ali	عبيد مجيد علي	Influence of Gas Turbine Design and Operating Conditions on the Performance of Power Plant: A Review	2024	AIP Conference Proceedings	2885	1	10.1063/5.0181408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188283520&doi=10.1063%2f5.0181408&partnerID=40&md5=d7a89c331746efd7143784643d63c8bb
68	Obed Majeed Ali	عبيد مجيد علي	Comparative study of different phase change materials on the thermal performance of photovoltaic cells in Iraq's climate conditions	2024	Energy Reports	11		10.1016/j.egy.2023.11.022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183758765&doi=10.1016%2fj.egy.2023.11.022&partnerID=40&md5=22bb39f7ee88248b8c465100ec6d0cc
69	Obed Majeed Ali	عبيد مجيد علي	Impacts of environmental conditions on thermal, emissions and economic performance of gas turbine using different types of fuels: An experimental investigation	2024	Results in Engineering	24		10.1016/j.rineng.2024.103402	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209074284&doi=10.1016%2fj.rineng.2024.103402&partnerID=40&md5=fb0e018a55e2b1d404ddccbeed28385f
70	Obed Majeed Ali	عبيد مجيد علي	Application of Response Surface Methodology (RSM) for Optimization of Hydrogen Sulphide Adsorption Using Coconut Shell Activated Carbon Xerogel: Effect of Adsorption Pressure and Hydrogen Sulphide Flowrate	2024	Annales de Chimie: Science des Matériaux	48	4	10.18280/acsm.480408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85203076797&doi=10.18280%2facsm.480408&partnerID=40&md5=56b96cc8306938d042c078321d8a9030
71	Obed Majeed Ali	عبيد مجيد علي	Recent improvements to heating, ventilation, and cooling technologies for buildings based on renewable energy to achieve zero-energy buildings: A systematic review	2024	Results in Engineering	23		10.1016/j.rineng.2024.102769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85202538714&doi=10.1016%2fj.rineng.2024.102769&partnerID=40&md5=94977910e7849bdf6bbd735516b2bebe
72	Obed Majeed Ali	عبيد مجيد علي	Experimental investigation of developed solar still using vertical backside wick with circulation tactics	2024	Desalination and Water Treatment	320		10.1016/j.dwt.2024.100867	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207263590&doi=10.1016%2fj.dwt.2024.100867&partnerID=40&md5=afb0f0d9e158b7762a53d205d0e0be78
73	Obed Majeed Ali	عبيد مجيد علي	Spark ignition engine performance analysis with low octane gasoline and Methyl tert-butyl ether additive for optimum operation	2024	Journal of Thermal Engineering	10	4	10.14744/thermal.000940	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200989366&doi=10.14744%2fthermal.0000840&partnerID=40&md5=89dd90af3f1a1da3b32c90405be73ca9
74	Obed Majeed Ali	عبيد مجيد علي	Impact of Compressor Inlet-Air Cooling System on the Performance and Efficiency of Gas Turbine Unit: a Review	2024	International Review of Mechanical Engineering	18	10	10.15866/ireme.v18i10.25096	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105002483074&doi=10.15866%2fireme.v18i10.25096&partnerID=40&md5=4629c4ee6c44fc53c8237f501d11b3b98
75	Obed Majeed Ali	عبيد مجيد علي	Green Building Techniques: Under The Umbrella of the Climate Framework Agreement	2024	Babylonian Journal of Machine Learning	2024		10.58496/BJML/2024/001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105019263018&doi=10.58496%2fBJML%2f2024%2f001&partnerID=40&md5=c997244b3863e12a39371e31baf9db09
76	Obed Majeed Ali	عبيد مجيد علي	Optimization for the Effects of Coconut Shell Activated Carbon Xerogel Weight and Temperature on the Hydrogen Sulphide Adsorption Using Response Surface Methodology	2024	International Journal on Energy Conversion	12	4	10.15866/irecon.v12i4.25011	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85211631967&doi=10.15866%2firecon.v12i4.25011&partnerID=40&md5=4d016591147f27d9eba894d2f18301
77	Obed Majeed Ali	عبيد مجيد علي	A comprehensive review on the thermal management of solar panels	2024	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	46	1	10.1080/15567036.2024.2368506	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85197391968&doi=10.1080%2f15567036.2024.2368506&partnerID=40&md5=e8200eb8ec9564891129585b5c3f196
78	Obed Majeed Ali	عبيد مجيد علي	Performance of solar still units and enhancement techniques: A review investigation	2024	Heliyon	10	18	10.1016/j.heliyon.2024.e37693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85203648491&doi=10.1016%2fj.heliyon.2024.e37693&partnerID=40&md5=ec99b05efd8f63a2e2ff84de74f5c354
79	Obed Majeed Ali	عبيد مجيد علي	Energy, Exergy and Economic Analysis of Al-Qayyarah Gas Power Plant	2024	Journal Europeen des Systemes Automatisees	57	4	10.18280/jesa.570413	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85203055445&doi=10.18280%2fjesa.570413&partnerID=40&md5=d4a98dd4577f42c2171fd77309eba709
80	Obed Majeed Ali	عبيد مجيد علي	Modelling of SI Engine Performance and Emissions with Ether Additives and Low-Octane Gasoline Using Artificial Neural Network	2024	International Journal on Energy Conversion	12	6	10.15866/irecon.v12i6.25300	https://www.scopus.com/inward/record.uri?eid=2-s2.0-105005523391&doi=10.15866%2firecon.v12i6.25300&partnerID=40&md5=c0c8822f1b6be1be82d44c1ce840cf3b

81	Qays Adnan Ali	قيس عدنان علي	Air thermal management platform assessment in centralized and decentralized air-conditioning systems	2024	Journal of Thermal Analysis and Calorimetry	149	21	10.1007/s10973-024-13546-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201385466&doi=10.1007%2fs10973-024-13546-1&partnerID=40&md5=23f05cbf8e1022026e6d4f96f3e3b4c1
82	Qays Adnan Ali	قيس عدنان علي	Response of 100Kw Grid Connected PV System at Slava City -Iraq in the Event of Short Circuit and Loss of Grid	2024	Proceedings of the 2024 Conference of Young Researchers in Electrical and Electronic Engineering, EICon 2024			10.1109/EICon61730.2024.10468473	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189956457&doi=10.1109%2fEICon61730.2024.10468473&partnerID=40&md5=4d1041426e6eba110fdb73991e8701f
83	Qays Adnan Ali	قيس عدنان علي	Extraction of maximum power from PV system based on horse herd optimization MPPT technique under various weather conditions	2024	Renewable Energy	220		10.1016/j.renene.2023.119718	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178110060&doi=10.1016%2fj.renene.2023.119718&partnerID=40&md5=9386d91f ebd7cb1688ff28928a572309
84	Qays Adnan Ali	قيس عدنان علي	A novel EPSO algorithm based on shifted sigmoid function parameters for maximizing the energy yield from photovoltaic arrays: An experimental investigation	2024	Results in Engineering	24		10.1016/j.rineng.2024.102967	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204569121&doi=10.1016%2fj.rineng.2024.102967&partnerID=40&md5=87b186de baf19a9165c77a6334e84aab
85	Qays Adnan Ali	قيس عدنان علي	Low-Carbon Hydrogen Production Technologies: A Review of Steam Methane Reforming and Methane Pyrolysis	2024	International Journal on Energy Conversion	12	5	10.15866/irecon.v12i5.24801	https://www.scopus.com/inward/record.uri?eid=2-s2.0-86000300583&doi=10.15866%2firecon.v12i5.24801&partnerID=40&md5=428b4d3a2 4f6e034c90804b92f1075f
86	Qays Adnan Ali	قيس عدنان علي	Analysis of the Operating Mode for the Photovoltaic Module by Experimental Methods	2024	Proceedings of the 2024 Conference of Young Researchers in Electrical and Electronic Engineering, EICon 2024			10.1109/EICon61730.2024.10468463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189967851&doi=10.1109%2fEICon61730.2024.10468463&partnerID=40&md5=cae 59a5136b4cf15860121182b5eef5
87	Qusay Kamil Jasim	قسي كامل جاسم	Energy saving for buildings using phase change materials	2024	AIP Conference Proceedings	3097	1	10.1063/5.0209389	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85193698870&doi=10.1063%2f5.0209389&partnerID=40&md5=8cae33b4e7fa779564 93d228bbba146
88	Qusay Kamil Jasim	قسي كامل جاسم	Thermal performance of radiant floor cooling with phase change material for energy-efficient buildings	2024	Open Engineering	14	1	10.1515/eng-2022-0502	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184022438&doi=10.1515%2feng-2022-0502&partnerID=40&md5=1de40abea28ac5d63c784ead21f411f
89	Qusay Kamil Jasim	قسي كامل جاسم	Studying the effect of the integrated PCM in the buildings: Review study	2024	AIP Conference Proceedings	3105	1	10.1063/5.0212189	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85202020769&doi=10.1063%2f5.0212189&partnerID=40&md5=32f57910372505ef16 44e6d336ae9eb
90	Qusay Kamil Jasim	قسي كامل جاسم	Thermal performance of photovoltaic panels using phase-changing materials (PCM)	2024	AIP Conference Proceedings	2885	1	10.1063/5.0182558	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188342755&doi=10.1063%2f5.0182558&partnerID=40&md5=a4b4ce49174886d39 65ff3356f2f5daa
91	Qusay Kamil Jasim	قسي كامل جاسم	Enhancing PV Panel Performance with Different Types of Phase Change Material (PCM): An Experimental Study	2024	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	121	1	10.37934/arfmts.121.1.5669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205253909&doi=10.37934%2farfmts.121.1.5669&partnerID=40&md5=da77acb45e 51f23bebac45704db7b3f
92	Rasha Sabah Aweid	رشا صباح عواد	Recent Developments of Floating Photovoltaic Power Plants: A review	2024	AIP Conference Proceedings	2885	1	10.1063/5.0182625	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188349013&doi=10.1063%2f5.0182625&partnerID=40&md5=086452616b6614f50 b79fd76196faf6
93	Ruaa Kareem Azzah	روى كريم عزة	Experimental Study of Using Blend Castor Oil Biodiesel-Diesel Fuel on Fuel Emissions	2024	AIP Conference Proceedings	2885	1	10.1063/5.0181564	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188274773&doi=10.1063%2f5.0181564&partnerID=40&md5=83cd7383d14cb4d71 8c4ce1722e3b5d4
94	Ruaa Kareem Azzah	روى كريم عزة	Engine Test of Biodiesel Fuel from Castor Oil and Diesel Fuel: Comparison Study	2024	AIP Conference Proceedings	2885	1	10.1063/5.0181565	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188351882&doi=10.1063%2f5.0181565&partnerID=40&md5=bd1a18c6320db8dec c26e1d6f2f08f51
95	Saygin Siddiq Ahmed	صايغين صديق احمد	A Robust Visually Secure Bit Plane Image Encryption Using Chaotic Map and SHA-512	2024	2024 3rd International Conference on Emerging Trends in Electrical, Control, and Telecommunication Engineering, ETECTE 2024 - Proceedings			10.1109/ETECTE63967.2024.10823709	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85217407897&doi=10.1109%2fETECTE63967.2024.10823709&partnerID=40&md5=1 f82e3a6d7b2a63eeb31d0c00e9a53a
96	Sherwan Mohammed Najm	شوروان محمد نجم	Application of the Gradient-Boosting with Regression Trees to Predict the Coefficient of Friction on Drawbead in Sheet Metal Forming	2024	Materials	17	18	10.3390/ma17184540	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205304378&doi=10.3390%2fma17184540&partnerID=40&md5=bcde53edf9a0faa0 6c515007f9be4631
97	Sherwan Mohammed Najm	شوروان محمد نجم	Current Trends in Metallic Materials for Body Panels and Structural Members Used in the Automotive Industry	2024	Materials	17	3	10.3390/ma17030590	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184690359&doi=10.3390%2fma17030590&partnerID=40&md5=4917f1f1e409a521 7aeb15ea4c0bee14
98	Sherwan Mohammed Najm	شوروان محمد نجم	Applications of Incremental Sheet Forming	2024	Analysis and Optimization of Sheet Metal Forming Processes			10.1201/9781003441755-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194313301&doi=10.1201%2f9781003441755-7&partnerID=40&md5=270fe0c55272e89e87af4cf5351d4d51
99	Sherwan Mohammed Najm	شوروان محمد نجم	Experimental and Numerical Investigations of the Fatigue Life of AA2024 Aluminium Alloy-Based Nanocomposite Reinforced by TiO2 Nanoparticles Under the Effect of Heat Treatment	2024	International Journal of Precision Engineering and Manufacturing	25	1	10.1007/s12541-023-00906-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174244841&doi=10.1007%2fs12541-023-00906-4&partnerID=40&md5=0af388f4a6f2b62eaa00b360900042ae
100	Sherwan Mohammed Najm	شوروان محمد نجم	Analysis of the friction performance of deep-drawing steel sheets using network models	2024	International Journal of Advanced Manufacturing Technology	132	7-Aug	10.1007/s00170-024-13565-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190541725&doi=10.1007%2fs00170-024-13565-0&partnerID=40&md5=23d6f9151cb860e6dac121cf8595342