													2024-2	2023	خططة	حوث الم	بأا							
الملاحظات	ملف لمصانقة	اسم المجلة	issn	سنة النشر	العدد	المجاد	طبيعة البحث	رابط المجلة	حالة البحث	نسبة انجاز البحث لغاية تاريخ التنظيم	التاريخ المخطط لانجاز البحث	تاريخ البدء	الجهة المستفردة	نوع البحث	نطاق البحث	الحقل المعرفي الغير متوفر	الحقل المعرفي البحث	المشاركين	ملخص البحث	عنوان البحث	الاسم	المعرف ني مواقع لندر يسوين	i ID	ث
Under review							يخدم سوق العمل			90	2024-01-09	2023-09-01		اكاديمي	عام		علوم هندسية	ا. اهد حکمت جاسم -2 اد. جلال محد جابل -3	In this work, a glazed block of paraffin was monitored during melting to check its ability to supply energy after sunset. Different thicknesses for paraffin and heat fluxs were tested numerically using finite volume and SIMPLE algorithm to solve enthapy energy equation for the glass and paraffin.	Monitoring melting of glazed block of paraffin wax in solar environment	أج د صلاح مهدي صالح عطية العوادي	1456	135	1
البعث متشور		0735- 1933		November 2024	كلارفيت	158	يخدم سوق العمل	https://www.sciencedirect. com/science/article/abs/pii /S0735193324006729	published	100	2024-01-09	2023-09-01		اكذيمي	عام		علوم هندسية	استاندکتور اتا به مغیر حیدالجابل اسماعیل۔2 دینس طارق پاسون3 مدرسیدکتور اتا	greater than the fallet velocity to support the convection process. The k-e turbulent model together with the interaction of the fluid with the flexible wall are solved numerically using the method of finite element. The main parameters such as; Re, Ri number influence on thermal-lydraulic behaviors of mixed convection have been investigated.	Discrete heating of turbulent FSI in a vented lid-driven enclosure	أجد صلاح مهدي صالح عطية العوادي	1456	137	2
البعث منشور				18-12-2023	سكوياس		عن التعوة المستدامة	https://seeexplore.ieee.org/ document/10469420	published	100	2023-12-15	2023-07-15		اكاديمي	عام		علوم هندسوة	abdullah migigatu cehus, akbullah migigatu cehus, ak ga sapa da migigatu cehus, ak ga sapa da migigatu cehus, ak ga sapa da migigatu cehus, aku da migigatu ceh	been developed that uses hand X-rays to identify and determine gender for medical applications such as special cases where diagnosing the gender is difficult, like accidents in which the hand is amputated and unknown, severe burns, and in old selectal structures using deep learning models. For comparative purposes, Gioogle.Net and ResNet-18 were employed. Gender determination using hand X-rays yielded positive results. The accuracy of gender detection in the model Google.Net un (violation, training, test, and total) is	Advanced Gender Detection Using Deep Learning Algorithms Through Hand X-Ray Images	د. عبداله علي جاور حسين الحسيني	2546	259	3
							عن التنمية المستدامة			85	2024-01-09	2023-06-15		اكاديمي	عام		علوم هندسية	عبدالله علي جابر - دكتوراه - مدرس - abdullah.ali@atu.edu.iq: علي كريم عباس/الكلية الثقنية الهذمبيه/الممبيب - دكتوراه - مدرس ali.abbas@atu.edu.iq;	dental inflammation and healthy.	Front Teeth Disease Detection and Classification Using Deep Learning Algorithm	د. عبدالله على جابر حسين الحسيني	2546	260	4
		2666- 7908		22/12/2023	كلارفايت	18	عن الطاقة المتجددة	https://doi.org/10.1016/j.cl et.2023.100716	published	100	2023-10-01	2022-08-20		اكاديمي	ple		علوم هندسوة	حمد چاسم مسالح - دگور (ه - استاذ ساعت - 7801710320 mohammedj. alshukry @uokufa. ;du.iq	This paper presents a numerical investigation of the performance of a rectangular storage solar collector with three different absorber plate shapes: smooth, parabolic, and triangular. The research employs threedimensional, unsteady modeling using COMSOL software version 5.5 to simulate a solar storage collector system in Kufa-Najar's climatic conditions. Two days in November and July were selected to evaluate the system's performance under various atmospheric conditions. The results showed that the highest water temperature for a no-load condition was 56.2 °C in November and 51.7 °C in July. For a triangular corrugation absorber storage collector under load, the largest temperature difference between the outflow and inflow temperatures was 14.9 °C at 1 p.m. and 11.9 °C at sunses in November, while the maximum temperature difference was 13.4 °C at 4 p.m. in July. The study also found that the total efficiency of the triangular corrugation absorber storage of the triangular corrugation absorber storage of the study also found that the total efficiency of the triangular corrugation was higher than that of the other designs and answers. It is a study also found that the total efficiency of the triangular corrugation answers.	Boosting storage collector efficiency with new corrugated absorbers: A numerical simulation approach	د.مانل عبد عزيز عبدان	1328	261	5

	2708- 3985	18-07-2024	مطي	, No. 2,	عن التنمية المستدامة	https://fjiece.atu.edu.iq/ind ex.php/ce/article/view/155 /63	published	100	2024-01-09	2023-09-01	اكادومي	در اسات علیا	علوم هندسية	اسلا سموم دخل - دکتوراه - استاذ مساحت - 07825413887 - مساحت - 44466ken(@mu.edu.iq حسن الفتة او حان - بكالوروس - اخرى -	Improving the detection and warning fire system on the Smart Campus area using Adaptive Neuro-Puzzy Inference System (ANFIS) can be an effective approach. ANFIS is a hybrid computational model that combines the strengths of fuzzy logic and neural networks. It can be used to develop a robust and accurate fire detection and warning system be leveraging the advantages of both fuzzy logic and neural networks.	Improving the detection and warning fire system on the Smart Campus area using ANFIS	اً. چ.د. اسخ سوم دغل افتر طومتي	2598	266 6
لا يوجد					برهان نظرية		send	90	2024-01-09	2023-10-10	اكاديمي	عام	علوم صرفة	fatima.obaid@atu.edu.iq; وقاص غالب عطشان - دکتور اه - استاذ -	Classes of admissible functions are investigated and the properties of forth order differential subordination are obtaind using new integral operator	New various results on forth order differential subordination of meromorphic univalent functions using new integral operator	فاطمة عبيد سلمان عباس الفتلاوي	2561	267 7
تم الشر في (IJACSA) International Journal of Advanced Computer Science and Applications	2156- 5570	-	كلارفيت	14-11	اكاديمي	https://thesai.org/Publicati ons/ViewPaper/Volume= 14&Issue=11&Code=UA CSA&ScrialNo=88	published	100	2024-01-09	2023-06-30	اكذيمي	عام	علوم هندسوة	yaqthanm79@mail.com; ماوسترر - مترس مساعد - ماوسترر - مترس مساعد - 7828985498 97828985499 - وطند - 9782999 19 - وطند - 1842 - 1842 - 1842 - 1842 - 1842 - 1842 - 1842 - 1842 - 1842 - 1844 - 1	In this paper, we present a new method to hid a text in Image.	A New Steganography Method for Hiding Text into RGB Image	Ruaa Shallal Abbas Anooz	1463	270 8
-Al تم الشر في Sadiq International Conference on Communication and Information -Technology -AICCIT) 2023 (2023	-	-	كلارفيت	-	اكانيمي	https://ieeexplore.ieee.org/ document/10218059	published	100	2024-01-09	2023-06-30	لكذيمي	عام	علوم هندسية	رزی شار عمایی ، جلومتور . مدرس . در کار کار عمایی ، جلومتور . مدرس . در استان می از می در استان با در	In this paper, we present a design army antenna with Substrate Integrated Waveguide Antenna for 5G Application.	An Array Antenna Based on Substrate Integrated Waveguide Antenna for 5G Application	Rusa Shallal Abbas Anooz	1463	271 9
			كلارفوت		يعالج مشاكل المجتمع		published	100	2024-01-09	2023-09-01	اكاديمي	عام	علوم هندسنية	ضر غام عدالرضا هواد - الكلوة الثقنية الهلنسوة/نيف - ماجيشر - استاذ مساعد - -9647813813962+ ;cot.drgham1@atu.edu.iq	This paper investigates a novel integration of hybrid polarization-division-multiplexing (PDM) with orbital-angular-momentum (OAM) multiplexing. Six user signals are multiplexing via a single-wavelength-spatial-laser. Our simulative system reveal 2 x 3 x 10 Gbps Gamma-Gamma fading channel based on NRZ encoding and 4-QAM modulation with 60 GHz RF carrier.	Enabling 6G High spectral efficiency of PDM-OAM over FSOC channel model with weather condition effects in Iraq	ضرغام عبد الرضاجواد	1103	272 10
								70	2023-08-31	2023-09-01	اكاديمي	عام	علوم هندسية	ضر غام عدالرضا جواد - الكلية الثقنية الهندسوكانجف - ماجستر - استاذ مساعد - -9647813813962 - ;cot.drgham1@atu.edu.iq	This work numerically investigates the performance of spatial-division-multiplexing (SDM) technique using a single spatial green laser to transmit two user signals over the underwater-optical-wireless-communication (IOWC) channel. The overall system capacity is transporting 40 Gb/s binary data. The proposed system presents high order LP modes (LP30 and LP31).	Improved UOWC transmission using spatial division multiplexing: Impact of ocean environments	ضرغام عبد الرضا جواد	1103	273 11
	2666- 9501	5/10/2023	سكوياس	(10055		https://www.sciencedirect. com/science/article/pii/S2 666950123002109	published	100	2024-08-30	2023-09-01	اكاديمي	عام	علوم هندسية	صرعام عبدالرصا جواد - الطبه اللفلية الهندسية/نجف - ماجستير - استاذ مساعد - د 2002-1002-1002-1003	This article investigates a secure reliable dense-wavelength-division-multiplexing (DWDM) with three different kinds of media for many geographic environments. A 80 Gb/s data transmission at Ka band (28 GHz) based three secure physical links using an optical chaotic signal, which applies a mask to hide the transmitted signal inside a generated chaos sketch.	Integrated photonic secured reliable DWDM for 5G Xhaul at Ka band frequency	ضرغام عبد الرضا جواد	1103	274 12
					عن التنمية المستدامة			80	2024-01-09	2023-09-01	اكاديمي	عام	علوم هندسية	:abdullah.ali@atu.edu.iq	الكشف عن مرض الاصابة بماء العين الابيض وتصنيف درجته حسب الشدة وهو من امراض العين الشائعة التي تصريب عين الانسان عن طريق استعمال تقنيات التطم المعمق	Cataract Detection and Classification using Deep Learning Techniques	د. عبداله علي جابر حسون الحسيني	2546	291 13

					عن الطاقة المتجددة			70	2024-08-20	2023-09-20	اكذيمي	در اسات علیا	علوم هندسية	استاذ مساعد - 07800562088 ; balasemalquraishi@atu.edu.iq احمد عوسى فوصل/ UNTEN -	Modern turbine designs focus on optimizing various geometric aspects of the turbine to improve aerodynamic performance, efficiency, and overall effectiveness. This study developed a unique optimization method, incorporating a new blade geometry with modification surface of the Archimedes spiral wind turbine. The aerodynamic characteristics of the ASWT blade were extensively analyzed using 3D ANSYS CEX software.	Improving the performance of the Archimedes wind turbine through a modified blade surface	د. باتسم عبدالامير جبار الفريشي	1464	294 14
					عن الطاقة المتجددة			80	2024-06-01	2023-09-01	اكاديمي	در اسات علوا	علوم هندسية	الهندسية الدهم - دهور اه - استاد مساعد - 07800562088 - ;balasema lquraishi@atu.edu.iq اهد عيسى فوصل/ UNTEN - ماهيشور - مدرس مساعد -	by computational simulation, which is experimentally validated. Archimedes wind turbine is classified as one of the HAWTs.	The Effect of Blade Configuration Design on Aerodynamic Performance of Archimedes Spiral Wind Turbine	د. پلاسم عبدالامير هبلز القريشي	1464	295 15
					عن التنمية المستدامة			90	2024-07-01	2023-09-01	اكذيمي	دراسات علوا	علوم هندسونة	الهندسية النجف - دكتوراه - استاذ مساعد - 07800562083 . : balasemalquraishi@atu.edu. iq احمد عوسى فوصل/ UNTEN - ماهمتور - مدرس مساعد - 07808368692	This review paper comprehensively explores existing research to identify gaps and enhance understanding of this emerging wind utrbine type. Early studies primarily delved into the acrodynamics of ASWTs, yielding a profound understanding and enabling innovative design improvements. Researchers have focused on optimizing pivotal rotor parameters, including aspect ratio (AR), blade angle, and blade thickness, to achieve peak performance and maximum power coefficient (C_p).	Review of the techniques for improvement of the aerodynamic performance of the Archimedes Spiral Wind Turbine	د يلامم عبدالامير جبار القريشي	1464	296 16
يحث ملغى					عن الطاقة المتجددة			90	2024-01-09	2023-09-01	اكذيمي	در اسات علوا	علوم هندسية	- 078005c088. jbalasemalquraishi@atu.edu.iq UNTEN/Kumail Abdulkareem Hadi Al-Gburi - ماهيشر - اخرى .kumailabdulkareemhadi@gmail .com - UNTEN/ Firas Basim Ismail .خوراه - استة مساعد - ;	wand rotor by incorporating a Flow Guide Gap (FGG) combined with different wavy surfaces on the blades. This tailored approach aims to mitigate the adverse aerodynamic disturbances in the wake region downstream of the rotor. By introducing the wavy surface, we effectively modify the surface roughness	Aerodynamic Performance Improvement of Savonius Wind Turkines: Inherent Flow Regulation through Wavy Surfaces and Guide Gap Incorporation on Blades	د. بلاسم عبدالامير جبار القريشي	1464	297 17
البحث قيد النشر					عن الطَّعَة المُتَجِدِدة			90	2024-01-09	2023-09-01	الكذيس	عام	غلوم هندسوة	للاسم عيدالامور جيار / الكافية التنتية المنافعة المؤتمة المؤتمة المجادة بما الموجد . كثير راء دسائة سماحة . 2000/2005 . 2000/	method, executed in MATLAB Software. The study involves a meticulous comparison between theoretical calculations and numerical results. Particularly, the research emphasizes the angle of oblique shock and downstream flow properties. A substantial iteration count of 2000 iteratively refines the latterness under the control of the control of the control of the control of the control of the control of the control of the contr	Advancing High-Speed Aircraft Simulation Through Numerial Investigation of Supersonic Flow Over a Wedge: Solving 2-D Euler Equations Ultilizing the Steger-Warming Flux Vector Splitting (FVS) Scheme	د. بلاسم عبدالامور جبار أقلوبشي	1464	298 18
لا أورجت	1788- 1994	30/11/2023	سكوياس	19-2	عن التندية المستدامة	https://akjournals.com/vie w/journals/606/606- overview.xml?rskey=IUE VDI&result=69	published	100	2024-01-09	2023-10-15	تىلىقى	عام	علوم هندسوة	بهتري جاسر حسن جامعة القرات الأوسط التقيية ، كثير راء معرس - 197831801138 mahdi jasim enij@atu.edu.is, الشمة حيود لاسر جامعة القاس المعتراء - 19780500 المعتراء - 19780500 المعتراء - 197805000 المعتراء - 197805000 المعتراء - 197805000 المعتراء - 19780500000000000000000000000000000000000	الهنف من هذه الدراسة هو دراسة تأثير اللتج العرضي نقابات مصدّع الشكر (اضعب الشكر) ما يسمى بديس السكر كمساف كميانية في مستاخة الدراسة في الدور العار في العراق ميداني من درن الجيد وقابلية التشغيل للغرسانة الطرية يصناة الي القواص الميكانيكية	PERFORMANCE OF SUGARCANE MOLASSES IN CONCRETE UNDER HOT WEATHER	Mahdi J.Hussein	1867	299 19

										99	2024-01-09	2023-09-01	للبيقي	عام ت		علوم صرفة		In this research we investigate the concept of weakly lambda ideal maps in ideal bitopo- logical space by using the concept of lambda ideal open set	Study on weakly lambda ideal maps	مريج لعين عليوي	2550	306 20
							يمالج مشاكل الموتمع			80	2024-01-09	2023-02-01	ديمي	دراسات د عثوا		علوم هندسوية	- الكوراء - MANDEEP SINGH	This paper present different enhancement techniques for massive MIMO antennas by designing MIMO array antenna with metamaterial for 5G Millimeter Wave	Enhancement Techniques for Massive MIMO Antennas in 5G Millimeter Wave Base Stations: A Review	غنر ان مهدي حاتم	1097	367 21
							تطبيقي			70	2023-12-31	2023-09-30	لمبيقي الخدرى	عام ت	ر پاضوات کط	أغرى	dalae120175@gmail.com; ندی مودر - ماجستور - مدرس مساعد - - Shatha.haider1994@uomustansi	In this research, some new topological properties about the regular rotational movement of RNA and DNA were studied, and these properties were studied in one of the cells inside the liver programmatically using Lab program, based on some mathematical equations for the level of concentration change in RNA and DNA.	The Effect of Topological Properties on The Rotational Movement of DNA and RNA by Using Genetic Algorithms	فاشة حسن البكاء	2514	409 22
					كلارفيت		يعلق مشكل المجتمع		send	100	2024-01-09	2023-12-01	فيوقي المراجعة الماري	عام ت		علوم هندسوة	Masoumeh Faraji/ Coventry University /UK - مصلح دکگور اه - استاد - : مساحد	The world needs clean energy; hence, innovative, highly efficient, power generation infrastructures with longer-lasting structural materials are required. These structural materials are required. These structural materials are required energy of the structural materials are required. These structural materials are exposed to harsh environments (e.g., high temperatures and reactive gasses) in which except becomes a significant degrading mechanism. Creep resistance can improve the efficiency in components and encourage sustainability. Careful engineering is needed to see microstructural improvement through thermomechanical processing rather than use of alloying elements that makes recycling challenging and inefficient. In this work influence of microstructures containing particles formed during friction stir welding/processing of steels on their creep performance are studied, using a given steel grade	Thermomechanical modelling to optimise friction stir welding of Ti6A4W Alloy validated by microstructural analysis. Welding in the World	Montadhar Almoussawi	2256	524 23
لا بوجد	لا بوجد		International Journal of Engineering and Information Systems (IJEAIS)		2024	8	8		published	100	2024-01-09	2023-09-01	اديمي	عام اک		علوم صرفة	huda.hashim@atu.edu.ic	.The aim of this research is to calculate approximate values for one-and two- dimensional nonlinear equations using numerical method	Solve Nonlinear Equations Numerically	هدی قصبی هاشم	2720	542 24
يتم النجاز هذا البحث مع قسر الهندسة ملاكب الأبود - هامعة ملاكب الأبود الأبود مفترات الضرائية (photonics labs)		1559128 X, 2155316 5		Accepted 28 December 2023;	كلارفيت	Vol. 63, Issue 4	عن التنمية المستدامة	https://opg.optica.org/ao/a bstract_cfm?uri=ao-63-4- 1015	published	100	2024-01-09	2023-09-01	Espa	S) pla		علوم هندسية	Salam Mahdi Azooz - ا يكور ا - 9647801410077 - الملكة ساحة - 9647801410077 - الملكة ا	We demonstrate a mode-locked erbium- doped fiber laser (EDFL) utilizing copper phthalocyanines (CuPe) as a saturable absorber (SA) for the first time, to the best of our knowledge. The investigated SA was prepared using a simple, low-cost and straightforward technique, whereby the CuPe owder was embedded into polyviny alcohol (PVA) to form a thin film. The thin film acted as a mode-locker when it was incorporated into the EDFL eavily to produce output pulses at a repetition rate of 1.8 MHz with a pulse duration of 1.98 ps. The frequency spectrum showed a signal-to-noise ratio as high as 55 dB, which indicates the stability of the mode-locking operation. To the best of our knowledge, this is the first work to report using CuPe as a mode-locker.	Copper phthalocyanines as a mode-locker in an Er-doped fiber laser	سلام مهدي عزوز	1744	562 25

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م انجاز هذا البحث مع قسم الهندسة مع قسم الهندسة بلايا – مالزرا في بلايا – مالزرا في رات الصورة (photonics labs	31	0895247 7, 1098276 0	Accepted: 14 December 2023	كلارفيت	ne 66 Is	عن التنمية المستدامة	https://onlinelibrary.wiley. com/doi/abs/10.1002/mop. 34002	published	100	2024-01-09	2023-09-01	لكذيمي	عام		علوم هندسونة	Salam Mahdi Azooz ا مكتر ا - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	A 1089 nm Q-switched laser has been successfully developed by using a noodynimu-doped fiber (NDF) as a gain medium and it in oxide (SnO2) material as a saturable absorber (SA). The SnO2 N awas obtained by embedding the compound into a polyvingl alcohol (PVA) host polyvers so that it can be easily integrated into an NDF laser (NDFL) configuration to modulate the cavity less for pulsing operation. The laser output pulse duration and repetition rate changed from 6.7 to 4.2 ps and from 55.8 to 72.5 kHz, respectively, when the 808 mm pumping power increased from 160.0 to 25.27 mW. The laser exhibited a stable output since we recorded a signal-to-background noise ratio of 46.4 dB. We believe that this work is the first to address SnO2 as SA in an NDFL cavity.	Tin oxide as a Q-switcher in an Nd-doped fiber laser	سلام مهدي عزوز	1744	567	26
		2.7E+07	1/5/2024	سكوياس	22	عن العلقة الشجيدة	https://www.sciencedirect. com/science/artiscle/pii/SZ 666202724001137vin%3 Dihub	published	100	2024-01-09	2023-03-02	اكتنبس	در اسات علوا		غۇم ھندىية	Ahmed Mohsin Alsayah - مكتوراء - 7488 348 780 964+ - منرس - adelabed 77@gmail.com;	An experimental study was conducted to investigate the impact of evaporative cooling on heat recovery within HVAC systems. This study involved the development of a specialized test rig comprising two air a specialized test rig comprising two air assages connected by a widelses heat pipe heat exchanger (wickless HPHE). Additionally, an evaporative cooling pad was integrated into the cold air return duct. The evaporative cooling process effectively lowered the temperature of the cold air return duct. The evaporative cooling process effectively in which was subsequently directed through the wickless HPHE condenser. This contrast to variable mass flow rate ratio, in contrast to the constant mass flow rate of ratio, in contrast to the constant mass flow rate of the size of the constant mass flow rate of the properties of the constant mass flow rate of the properties of the constant mass flow rate of the properties of the	The Augmentation of the heat recovery by using evaporative cooling in HVAC applications: experimental study	د عامل عبد عزيز عبدان	1328	622	27
						يخدم سوق العمل			97	2024-01-09	2023-01-09	اكاديمي	عام		علوم هندسوة	على محد سعود _سن كاظم سعد	تساعد هذه الدراسات ايدننا مشغلي شبكات الهاتف المحمول (MNOs) على تحسين قدرات شبكة MBB للنبية متطلبات المستخدم إمستقيادة تر تماطل اداء شبكات المستخدم المستقيادة تر تماطل اداء شبكات الم لمرجودة على العراق بناة على البينات الفار جوثرة وموشرات فياس الأداء المختلفة وسيفار وهات التنبية الموضحة على هذه الورقة:	Assassment of MPR Outdoor	قصني جارل كاظم	2570	623	28
			9/9/2024	على		عن الطاقة المتجددة		accepted	100	2024-01-09	2023-09-01	اكاديمي	در اسات علوا		علوم هندسوة	صنين غني هميد - استاذ - 07801315063 () 07801315063 () hassanain.hamed@atu.edu.ic انتظر محدظ على ماجستور - مدرس ساعد - 07810882018 () alsahlanimsu@gmail.com	Studies have shown that the use of a Fresnel lens combined with a single-slope single trough gives the best possible productivity	A review of techniques to increase the productivity of different types of solar stills	ا ۾ ڊ. اسعد عواد عباس	2544	624	29
						عن الطاقة المتجددة		send	98	2024-04-01	2023-09-01	اكاديمي	در اسات علوا		علوم هندسية		Literature survey about using optical analysis for concentrated solar power in solar reactors.	Numerical and Optical Analysis of Solar Reactors Using Monte Carlo (MC) Ray Tracing Method: Review	ا ۾ڊ. اسعد عواد عباس	2544	625	30
		2391- 5439	2024/4/11	سكوياس	14(1)	عن الطاقة المتجددة	https://doi.org/10.1515/en g-2024-0001	published	100	2024-01-09	2023-09-01	اكاديمي	عام		علوم هندسية	عمار إبر اهيم عبد - الجامعة الاسلامية - كقور اه - استاذ مساعد ; محمد جاسم صالح - دكتور اه - استاذ	This work presents a methodology to suppress the vibration in smart composite beam by implementing model predictive controller (MPC) and nonlinear system identification algorithm.	Vibration Suppression of smart composite beam using model predictive controller (MPC)	ا پرد. اسعد عواد عباس	2544	626	31

					عن العلقة العتجدة			95	2024-03-29	2023-09-01	الكذيمي	عام	غلوم هندسوة	Sofie Verstraete-KU Leuven, Leuven معاشد معاشد -: Hamed Abedini-KU Leuven, Leuven معاشد مقارب المقارب الم	The substantial energy provided by the sun is a promising substitute for traditional heat sources in various industrial applications. However, the transient nature of solar energy is still posea a significant challenge to its widespread utilization. This work presents a methodology for regulating the temperature within a solar receiver dynamically adjusting incoming sunlight through a non-linearly controlled iris mechanism. The solar receiver comprises a closed, hollow cylindrical cavity with front and back plates. The front plate features a quarte vindow for light entry, while gas enters the cavity through three tangential inlets and exits via a centrally located outlet on the backplate. A? We high flux solar simulator concentrates light inside the receiver through the quarte window. The incoming concentrated light is modulated using an Iris mechanism mounted on the front plate	A FEEDBACK CONTROL STRATEGY TO REGULATE THE TEMPERATURE IN A NONLINEAR SOLAR RECEIVER	ا چ. است عواد عباس	2544	627	32
البحث تم نشره في چلة علمية سكوبس ند 4 رقم 1 صفحة 313-333 international journal of robotics and control system	 2775- 2658	18\03\2024	سكوياس	4	عن الطاقة المتجددة	http://pubs2.ascce.org/inde x.php/ijrcs	published	100	2024-01-09	2023-12-01	تطبيقي اخد ی	در اسات علوا	علوم هندسية	ا د مضفر صنادق الزهوري ; مصطفى ر عد	استخدام الشيكات العمديية في ايجاد القانوب في انويب الفطر و تحديد التصويب الفطي	oil pipeline leak detection in Iraqi oil field based on 1DCNN	احد طه عبد السادة الجواشي	1092	639	33
لا بوجد	2775- 2658	09\03\2024	سكوياس	4	يعالج مشاكل المجتمع	http://pubs2.ascee.org/inde x.php/ijrcs	published	100	2024-01-09	2023-09-01	اكاديمي	در اسات علیا	علوم هندسية	ا د حستین غنی حمید - ; احمد عباس	يستخدم شبكات العصبية المتقدمة في اكتشاف تثاير الاهتزازات على اجهزت الإتصال في الطائرات المسيرة	1DCNN analysis of drones wireless communication system performance affected by vibration based on	احد طه عبد السادة الجواشي	1092	640	34
								75	2024-09-01	2023-09-01	اكاديمي	عام	علوم هندسية		SINR (Signal-to-Interference-plus-Noise Ratio) is a key performance indicator (KPI) of SG networks. It measures the strength of the desired signal relative to the interference and noise signals. A higher SINR indicates a better signal quality and higher data rates.	SINR visual representation for the performance and reliability of a 5G urban micro-cell networks test environment	اسراه كاظم مهدي	2558	659	35
أأتوجد	241 I- 7773	24 June 2024	سكوياس)24) 15:	يعائج مشائل الموشع	https://doi.org/10.30772/qj es.2024.145861.1076	published	100	2024-01-09	2023-06-01	اکتیب استان انفرن	عام	علوم هذمسية	عبد الله صناحب عبد السادة - دكفور اه - مزس - منزس - Sabdward780@atu.cdu.iq	The digital voltage controller of power converters is used because they have many advantages over their analog counterparts. Thus, this paper, a controller of digital voltage mode is designed and analyzed for a non-solated DC-DC back converter in continuous conduction mode (CCOM) First, an analogue controller is designed in frequency domain using Bode plot to achieve the desired stability margins. Next, the analogue controller is discretized using bilinear transformation with pre-warping method. The characteristics of the discretized compensator can be maintained close to the corresponding analogue compensator and as a proper sampling time is selected. The digital control scheme is simulated with a nonlinear DC-DC back converter model in MATLAB to investigate the controller performance. The simulation results demonstrated the validation of the proposed digital voltage-mode control design approach. The developed digital controller liminates the deer or due to tracks the reference voltage, achieves fast transient response, munitaris specified stability margins and effectively rejects large disturbance.	Robust Digital Voltage Mode Control of Buck Converter with Enhanced Tracking Performance	ناسر حمين سلمان	2588	759	36
					عن الطاقة المتجددة			80	2024-01-09	2023-09-01		در اسات علوا	علوم هندسية			Investigate the effect of adding altitle amount of CB to the solvent during the preparation of nanoparticles Via Mini-Emulsion and apply it to the manufacturing of OPV	ر غد سبار هادي جاسم	2579	768	37
					سلامة بيئية			90	2024-01-09	2023-01-07	تطبيقي	عام	علوم طبية	h.obaid.cnj@atu.edu.iq	تتضمن الدراسة جمع عينات ادرار مرضى الفشل الكلوي من غير المدخنين وحساب تراكيز اليورانيوم والرادون وايجاد العلاقة بين تلك التراكيز وبين مرض الفشل الكلوي	Measurement of Uranium and Radon concentrations in urine samples of patients with renal failure of non-smokers in Najaf City in Iraq	مويد محمد عبد السعرري	2498	1206	38

		I				ı			1	1	1		ı			1			
	1	2024	سكوياس	17			published	100	2024-01-09	2023-01-09	تطبيقي	عام	علوم طبية	ۇزە مەند غىندكتر راسەزىرى Mua07809039153 بول ئۇ چېچى بۇر ئەچىرى بۇر ئاسەزىر مەندۇر ئاسەزىرى 3sara07732957644 ماھ جىر ماھ جىر ماھىدكتىر راسەزىرى 29800411102498 مىدكتىر راسەزىرى 29800411102498 نور ئىسىزىرى 48800411102498	تتضمن الدراسة جمع عينك دم مرضى القشل الكلوي من غير المدخنين وحساب تراكيز اليورانيوم والراديوم والرادون وابيجة الملاكة بين تلك التراكيز وبين مرض الششل الكلوي	Measurements of Alpha Emitters concentration(222Rn, 226Ra, and 238U jin blood samples of patients with renal failure of non- smokers in Najaf city/lraq	مؤرد مجد عبد السعر ي	2498	1207 39
					يخدم سوق العمل			70	2024-01-09	2023-01-09	اكذيمي	عام	علوم صرفة	وزية معمد هيدنگار رسار به Mua07809039152 yad.m@atu.edu.is نام عوني هيدنگور رامار رس sara077329576444 عام عود عام عود ما عود مود ما عود ما عود مود مود مود مود مود مود مود مود مود م	تتضمن الدراسة دراسة خواص نظائر العنصر الثنيل القرريوم واهميتها في المجال الطبي والتطبيقي	Study of some of the nuclear properties for Th-90 radioactive isotopes	مۇيد محمد عبد المعير ي	2498	1208 40
					يعالج مشاكل المجتمع			63	2024-10-18	2023-10-18	تطبيقي اخرى	عام	علوم طبية	٠ اخرى ;	issue samples from people with hashomoto are analyzed for alpha emission rate: the CR- 39 detector is used to determine the alpha emissions that are present in tissue samples of patients by finding their percentage	ticeus camples for nationts with	شورين ناظم كافلم	2562	1231 41
تمت المشاركة بمؤتمر محلي					يعالج مشاكل المجتمع			95	2024-09-18	2023-01-05	تطبيقي الخرى	در اسات علوا			blood samples from people with thyroid diseases are analyzed for alpha emission rate [Eq.]. The CR-39 detector technique is used to determine the alpha emissions that are present in blood samples of patients by finding their percentage.	assessment of alpha emitters in blood for patients with thyroid diseases by CR-39 technique	شبورين ناظم كاظم	2562	1232 42
	1558- 1748	19/9/2024	سكوياس	24.3460	علمي	https://ieeexplore.ieee.org/ abstract/document/106844 75	published	100	2024-01-09	2023-01-09	اكذيمي	عام		مد عدان و هاب - ماجسترر - مدرس 1780320641 7780320641 - Shmecdadnam@aut. edu. ic - 17804123230 - مادور منزس - 17804128230 - ماد - 17804128230 - الله عدال المواقع المو		A Multi-Band Microwave Sensor Designed to Sense the Shelf-Life of Raw Fresh Milk	اسيد عتدان و هاب	2555	1251 43
								65	2024-01-12	2023-01-08	اكاديمي	عام	علوم هندسوة	سن كانفر سعد - دكتر راه - استالا مساعد - سرا - مساعد - ساعد - 1/829/449939. - was - 1/829/449930. - بالله محدد سعود - بارمشراز استاذ - استاد - 1/80/10 - 1/80/42689. - بالمائد - مساعد	This paper investigates the performance of different ITU models in predicting Malaysia's tropical rainfall rates and rain attenuation to theoretically calculate losses in a 5G wireless broadband link.	Quantifying Rain Attenuation Impact on Millimeter Wave Signals in Future 5G Networks: A Case Study in a Tropical Area - Malaysia	وسن كاظم سحد	1114	1303 444
	0199- 6231	May 19, 2023	سكوياس	145(5)	عن الطاعة العثودة	https://doi.org/10.1115/1.4 062483	published	100	2023-04-04	2023-01-04	اكذيمي	عام	علوم هذدسوة	Nesrin Ozalp - دکتوراه - استالة 12197308572 - nozalp@ilstu.edu;	Despite the significant potential of solar thermochemical process technology for storing solar energy as solid-state solar fuel, several challenges have made its industrial application difficult. It is important to note that solar energy has a transient nature that causes instability and reduces process efficiency. Therefore, it is crucial to implement a robust control system to regulate the process temperature and tackle the shortage of incoming solar energy during cloudy weather. In our previous works, different model-based control strategies were developed namely a proportional integral derivative control (MPC). These methods were tested numerically to regulate the temperature inside a high-temperature tubular solar reactor. In this work, the proposed control strategies were experimentally tested under various operation conditions	Experimental Performance of a Nonlinear Control Strategy to Regulate Temperature of a High- Temperature Solar Reactor	ا برد. اسعد عواد عباس	2544	1395 45

امضاء معاون العميد العلمي: اسم معاون العميد العلمي : امضاء المسؤول عن الخطة البحثية: اسم المسؤول عن الخطة البحثية : ثناء حسن يوسف

التاريخ: / 2024

التاريخ: / / 2024

انجاز للمخطط فقط	نسبة الا
20	البحوث المنشورة
1	البحوث المقبولة للنشر
45	مجموع البحوث الكلى مخطط
44%	نسبة الانجاز المنشورة
46%	نسبة الانجاز المنشور و المقبول للنشر