

البحوث العلمية المنشورة للسنوات من 2020 لغاية 2024

ت	عنوان البحث	اسماء الباحثين المشاركين	عنوان المجلة	سنة النشر
1.	Reviewing Energy Efficiency with the Development of Luminescent Solar Panels Ahmed Al-Sarraj Iraqi Ministry of Higher Education	م.د. حسين ثامر سلوم	International Journal of Environment, Engineering and Education	5/8/2020
2.	Characterization of silver content upon properties of nanostructured nickel oxide thin films	م.د. حسين ثامر سلوم	Dig. J. Nanomater. Biostruct	1/10/2020
3.	Simulation Design of hybrid System (Grid/PV/Wind Turbine/battery/diesel) with applying HOMER: A case study in Baghdad, Iraq	م.د. حسين ثامر سلوم	International Journal of Electronics and Communication Engineering	28/6/2020
4.	Fast Quantitative Analysis of Dental Alloys Using LIBS-Techniques	م.د. حسين ثامر سلوم	Solid state technology	1/11/2020
5.	Gas sensor using gold doped copper oxide nanostructured thin films as modified cladding fiber	م.د. حسين ثامر سلوم	chinese physics B	1/6/2021

1/3/20 21	Journal of Physics: Conference Series	م.د حسين ثامر سلوم	Detection of Harmful Metal Elements in Rice Using Laser Induced Breakdown Spectroscopy	6.
1/9/20 21	Optica Applicta	م.د حسين ثامر سلوم	Investigation of compositional analysis and physical properties for Ni-Cr-Nb alloys using laser-induced breakdown spectroscopy	7.
11/11/ 2021	AIP Conference Proceedings	م.د حسين ثامر سلوم	Determination of plasma temperature and electron density of AZ31 magnesium alloy utilizing laser-induced breakdown spectroscopy	8.
1/9/20 21	Journal of Physics: Conference Series	م.د حسين ثامر سلوم	Physical Properties of Nanostructured Fe ₂ O ₃ Thin films - Effect of Cobalt Doping Deposited by CSP	9.
30/6/2 022	Iraqi Journal of Science	م.د حسين ثامر سلوم	Laser-Induced Breakdown Spectroscopy for Determination of Toxic Metals in Fertilizers: emphasis on Lead	10.
31/3/2 023	AIP Conference Proceedings	م.د حسين ثامر سلوم	Structural, morphological and optical properties of fluorine doped titanium dioxide nanostructure thin film	11.
31/3/2 023	AIP Conference Proceedings	م.د حسين ثامر سلوم	Structural, morphological and optical properties of antimony doped CdO thin films prepared by chemical spray pyrolysis	12.
2023	AIP Conference Proceedings	م. رأفت عبد الكاظم	The impact of IoT on real-world future decisions	13.

2023	AIP Conference Proceedings	م.د. حسين ثامر سلوم	Structuralmorphological and optical properties of fluorine doped titanium dioxide nanostructure thin film	14.
2023	AIP Conference Proceedings	م.د. حسين ثامر سلوم	Structural, morphological and optical properties of antimony doped CdO thin films prepared by chemical spray pyrolysis	15.
2024	Journal of Optics (J Opt)	م.د. غسق علي طعمة	Characterization of the Anti-Reflectance Laser-Assisted Etched Silicon Micro-Nano Structure for Solar Cell Application	16.
2024	Journal of Natural and Applied Sciences URAL	م.م. رنين سلام ذنون	The Extent of Radiation Safety Knowledge Among Non-Radiology Personnel	17.
2024	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	م.رأفت عبد الكاظم	Optimizing Microgrid Performance: A Data-Driven Approach with IoT Integration	18.
2024	Edelweiss Applied Science and Technology	ا.م.د. حسين ثامر سلوم	Near-field propagation of a flat-topped gaussian beam: analysis in weakly turbulent atmospheres	19.
2024	Iraqi Journal of Science	ا.م.د. حسين ثامر سلوم	Implementation of An Optical Gauss Meter Based on Ferrite and Hematite Ferrofluids	20.
2024	Library Progress International	م.رأفت عبد الكاظم	IoT Based Smart Solar PV Remote Monitoring System Using Grafana Platform	21.

2025	AIP Conference Proceedings	م.م. رنين سلام ذنون	Study self-cleaning of $W\text{O}_3$ /epoxy composites and the role of $W\text{O}_3$ nanoparticles	22.
2025	Journal of optics	م.م. سماح أنور عبد الرحمن	Fabrication and characterization of Au/Psi/Au solar cell	23.
2025	Semiconductors/ Springer Nature	م.م. رنين سلام ذنون	Optical and structural properties of $\text{Au@Fe}_2\text{O}_3$ nanoparticles synthesized by nanosecond laser ablation in liquid	24.