

البحوث المنشورة والخاصة بتدريسي قسم تكنولوجيا المعلومات للعام 2024

Article عنوان البحث/ Title	اسم الباحث الأول / First Author	اسم الباحث الثاني/ Second Author	اسم الباحث الثالث/ Third Author	Journal اسم المجلة/ Name	نوع المجلة/ Journal Category	Publisher Nationality	سنة النشر / Year of Public ation	Article رابط البحث/ URL
Image Steganography Technique based on Lorenz Chaotic System and Bloom Filter	Ahmad Salim	Khitam Mohamed	Farah Maath Jasem,	International Journal of Computing and Digital Systems	Scopus	International	2024	https://journals.uob.edu.bh/handle/123456789/5140
Irrigation intelligence—enabling a cloud-based Internet of Things approach for enhanced water management in agriculture	Yousif Al Mashhadany,	Hamid R. Alsanad,	Mohanad A.Al-Askari,,	Environmental Monitoring and Assessment	Scopus	International	2024	https://www.scopus.com/record/display.uri?eid=2-s2.0-85189941191&origin=resultslist
Copy–move forgery detection in digital image forensics: A survey	Mahmoud H. Farhan	Khalid Shaker	Sufyan Al-Janabi	Multimedia tools and applications	Scopus	International	2024	https://link.springer.com/article/10.1007/s11042-024-18399-2
Approach for Detecting Arabic Fake News using Deep Learning	Khalid Shaker	Arwa Alqudsi		Iraqi Journal for Computer Science and Mathematics	Scopus	Local	2024	https://journal.esj.edu.iq/index.php/IJCM
Efficient Approach for the Localization of Copy-Move Forgeries Using PointRend with RegNetX	Mahmoud H. Farhan	Khalid Shaker	Sufyan Al-Janabi	Baghdad science journal	Scopus	Local	2024	https://bsj.uobaghdad.edu.iq/index.php/BSJ/article/view/8304
Optimizing students' practical skills through project-based learning: case study in vocational high schools	Mohammad Badrul Alam Miah	Afrig Aminuddin	Waleed A. Hammood	International Journal of Evaluation and Research in Education (IJERE)	Scopus	International	2024	https://ijere.iaescor.com/index.php/IJERE/article/view/28694
Secure smart contract based on blockchain to prevent non-repudiation	Omar Abdulrahman Dawood	Ali Makki Sagheer		Baghdad Science Journal	Scopus	Local	2024	https://bsj.uobaghdad.edu.iq/home/vol21/iss1/23/
SUMER: A New Family of Lightweight and Traditional Block Ciphers	Omar A Dawood			Iraqi Journal for Computer Science and Mathematics	Scopus	Local	2024	https://ijcsm.researchcommons.org/cgi/viewcontent.cgi?article=1187&context=ijcsm
A Comparative Performance Analysis of Malware Detection Algorithms	Ismail Taha Ahmed	Baraa Tareq Hammad	Norziana Jamil	IEEE Access	Scopus	International	2024	https://ieeexplore.ieee.org/abstract/document/10401227

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Artificial Intelligence Empowered 6G Networks and Beyond	Muntaser Abdulwahed	Ahmed Talaat	Rabah Nori Ferhan	2nd Joint International Conference on Mathematics, Statistics and Engineering Institute of Engineering	Conference	International	2024	https://submit.confbay.com/conf/jcomse2024
Data Acquisition Board by Using Arduino to Measure Weather Temperature and Humidity	Baraa Saad Abdulha keem	Mustafa Maad Hamdi	May Abdulsamad Sadeq	5th International Conference on Communication Engineering and Computer Science (CIC-COCOS'2024)	Conference	International	2024	https://conferences.cihanuniversity.edu.iq/index.php/COCOS/COCOS24/paper/download/1559/475
A Deep Learning-Based Cervical Tumor Classification System for Telehealthcare Monitoring	Yaqeen Saad	Nibras A. Mohammed	Firas A. Mohammed	International Conference on innovative computing and communication (ICICC-2024)	Conference	International	2024	https://link.springer.com/chapter/10.1007/978-981-97-3591-4_6
High Performance of Smart Refrigerator System Based on IoT Technique	H.R. Alsanad	Mohanad. A Al-Askari	Khaldoon A. omar	Proceedings - International Conference on Developments in eSystems Engineering, DeSE	Conference	International	2024	https://www.scopus.com/record/display.uri?eid=2-s2.0-85189318518&origin=resultlist
Design and Implement Services Robot Based on Intelligent Controller with IoT Techniques	Mohanad . A Al-Askari	Yousif Al-Mashhadany	Sameer Algburi	Proceedings - International Conference on Developments in eSystems Engineering, DeSE	Conference	International	2024	https://www.scopus.com/record/display.uri?eid=2-s2.0-85189303587&origin=resultlist
Design of smart garden watering and lighting using arduino	Hadeel amjed Saeed	Nuha A Hamad	Sumayahamad	IEEE	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10469214
Multi-Stages of Alzheimer's Disease	Firzana Eiwany Mashi	Marshima Mohd Rosli	Haryani Haron, Waleed		Conference	International	2024	https://www.atlantispress.com/proceedin

Classification Using Deep Learning			A Hammod,					gs/invent-24/126005573
Detection Systems for Distributed Denial-of-Service (DDoS) Attack Based on Time Series: A Review	Ahmed Adil Nafea	Mustafa Maad Hamdi	Baraa saad Abdulhakeem	2024 21st International Multi-Conference on Systems, Signals & Devices (SSD)	Conference	International	2024	https://ieeexplore.ieee.org/document/10548796
Improving the Quality of Big Data Using Machine Learning and Artificial Intelligence Techniques	Roaa Yahya Muhammad	Murtadha M. Hamad		AIP Conference Proceeding 2024	Conference	International	2024	https://pubs.aip.org/aip/acp/article-abstract/3009/1/020009/3265141/Improving-the-quality-of-big-data-using-machine?redirectedFrom=PDF
Big Data Applications Based on Web Mining Techniques and Recommender System :Survey	Ahmed Al_Kerboly	Murtada mohamed	Dawood . O. A	AIP Conference Proceeding 2024	Conference	International	2024	https://pubs.aip.org/aip/acp/article-abstract/3009/1/020010/3265142/Big-data-applications-based-on-web-mining?redirectedFrom=fulltext
Exploring High Dimensional Outlier Detection 'A Comparative study on Methods and Applications Using PCA and K_NN Algorithm	W. A. Majeed	Murtada mohamed		2024 21st International Multi-Conference on Systems, Signals & Devices (SSD)	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10548429
Design and Implement Services Robot Based on Intelligent Controller with IoT Techniques	Mohanad A. Al-Askari,	Yousif Al Mashhadany,		2023 16th International Conference on Developments in systems Engineering (DeSE)	Conference	International	2024	https://ieeexplore.ieee.org/document/10469212
Systematic Review of IT Risk Management Using a Scientometric Approach	Ahmad Cucus	Wenny Permata Sari	Waleed A. Hammod	2023 6th International Conference on Information and Communications Technology (ICOIACT)	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10455938
Determinants Influencing E-Payment Adoption Amidst COVID-19: A Conceptual Framework	Waleed A. Hammood	Khairul Hafezad Abdullah	Omar A. Hammod	2023 7th International Conference on New Media Studies (CONMEDIA)	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10428488

Secure access control for the integrated air defense system (IADS) survey	Ahmed Hazem Abdul-Majed	Omar A. Dawood		2nd International Conference For Engineering Sciences And Information Technology (Esit 2022)	Conference	International	2024	https://pubs.aip.org/aip/acp/article-abstract/3009/1/02018/3265150/Secure-access-control-for-the-integrated-air?redirectedFrom=PDF
Privacy-preserving online communication based on end-to-end encryption: a comprehensive review	Khalid J. Ayed	Omar A. Dawood		2nd International Conference on Emerging Trends and Applications in Artificial Intelligence	Conference	International	2024	https://digital-library.theiet.org/doi/abs/10.1049/icp.2025.0120
Advancements in artificial intelligence for biometric system a systematic review	Omar A Dawood	Abdul Monem S Rahma		2nd International Conference on Emerging Trends and Applications in Artificial Intelligence	Conference	International	2024	https://digital-library.theiet.org/doi/abs/10.1049/icp.2025.0114
A Secure Mutual Authentication Model in Fog Computing Based on Elliptic Curve	Salwan Rafa Homad	Omar A. Dawood		2025 4th International Conference on Computing and Information Technology (ICCIT)	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10989301
An Effective Deep Learning Approach for the Estimation of Proton Energy by Using Artificial Neural Network	Manar AL-Mahdawi	Aythem Khairi Kareem	Ali Muwafaq Shaban	2024 21st International Multi-Conference on Systems, Signals & Devices (SSD)	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10549706
Detecting Routing Protocol Low Power and Lossy Network Attacks Using Machine Learning Techniques	Aythem Khairi Kareem,	Ali Muwafaq Shaban		2024 21st International Multi-Conference on Systems, Signals & Devices (SSD)	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10549143
Advanced fault detection in photovoltaic systems using artificial neural network	Ali Muwafaq Shaban,	Mohammed Salah Ibrahim		2nd International Conference on Emerging Trends and Applications in Artificial Intelligence	Conference	International	2024	https://digital-library.theiet.org/doi/abs/10.1049/icp.2025.0112

Improve Black Ice Image Detection for Road Safety	Falah Amer Abdulazez	Ismail Taha Ahmed	Baraa Tareq Hammad	2025 21st IEEE International Colloquium on Signal Processing & Its Applications	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10933260
Robust Spatial Domain Features for Detecting Spliced Image	Ismail Taha Ahmed	Falah Amer Abdulazez	Baraa Tareq Hammad	2024 20th IEEE International Colloquium on Signal Processing & Its Applications	Conference	International	2024	https://ieeexplore.ieee.org/abstract/document/10525506

Based on Various Texture Features and Classifiers								
Examining the performance of various pertained convolutional neural network models in malware detection	Falah Amer Abdulaze ez	Ismail Taha Ahmed	Baraa Tareq Hammad	MDPI	Scopus	International	2024	https://www.mdpi.com/2076-3417/14/6/2614
Employing Different Algorithms of Lightweight Convolutional Neural Network Models in Image Distortion Classification	Ismail Taha Ahmed	Falah Amer Abdulaze ez	Baraa Tareq Hammad	MDPI	Scopus	International	2024	https://www.mdpi.com/2073-431X/13/10/268
A Comprehensive Method for Fingerprint Classification Based on Gabor Filters and Machine Learning.	Farah Maath Jasem	Ismail Taha Ahmed	Baraa Tareq Hammad	International Journal of Safety & Security Engineering	Scopus	International	2024	https://openurl.ebsco.com/EPDB%3Agcd%3A4%3A12220020/detailv2?sid=ebsco%3Aplink%3Acrawler&id=ebsco%3Adoi%3A10.18280%2Fijsse.140612&link_origin=www.google.com