

**Публікації авторів ХНУРЕ у журналах першого квартилю Q1 БД Scopus у 2026 році
за версією аналітичного інструменту SciVal**

№ з/п	Назва публікації	Автори	Кафедра	Назва видання	Вид публікації	Відкритий доступ
1	Hypersector-Based Method for Real-Time Classification of Wind Turbine Blade Defects	Dubchak, L. Rusyn, B. Wolff, C. Ciszewski, T. Sachenko, A. Bodyanskiy, Y.	ШИ	Energies	Article	Gold Green
2	UWB LOS/NLOS Identification Using Spatio-Temporal Deep Learning	Qi, L. Zhao, Y. Guo, Q. Kaliuzhnyi, M.	IMI	IEEE Communications Letters	Article	
3	A Scalable Coercion-Resistant Voting Scheme for Blockchain Decision-Making	Yin, Z. Zhang, B. Nastencko, A. Oliynykov, R. Ren, K.	БІТ	IEEE Transactions on Dependable and Secure Computing	Article	
4	Comparative Evaluation of YOLO Models for Human Position Recognition with UAVs During a Flood	Bilous, N. Malko, V. Ahekan, I. Korobiichuk, I. Ivanichev, V.	ПІ	Applied System Innovation	Article	Gold Green
5	Ru(bpy)32+ electrochemiluminescence of saccharides	Alboull, A.M.A. Xiao, J. Zheng, Y. Zholudov, Y.T. Snizhko, D.V. Qi, L. Niu, W. Xu, G.	БМІ	Electrochimica Acta	Article	
6	DISPEL-GNN: De-Illusion via Spectral Stability and Perturbation Bound-Enforced Learning for Community Detection with Risk-Aware Dynamic Attention in Graph Neural Networks	Qu, D. Ma, Y. Pyrozhenko, M.	KMIT	Mathematics	Article	Gold
7	A Dual-Stream Deep Learning Framework for Synchronized Facial Emotion and Skeletal Motion Analysis in Video	Bilous, N. Malko, V. Ahekan, I. Frohme, M.	ПІ	Applied Sciences (Switzerland)	Article	Gold Green
8	AMTA: An Innovative Privacy-Aware Adaptive Transformer for Real-Time Multimodal Data Fusion	Almekhlafi, M.A.A. Alrowais, F. Alshahrani, S. Maray, M. AlAqil, M.A. Alharbi, M.A. Yahya, A.E. Marzouk, R.		Transactions on Emerging Telecommunications Technologies	Article	
9	Automated Identification from CT Using Sphenoid Sinus Geometry as an Anatomical Biometric	Bilous, N. Malko, V. Tkachenko, D. Frohme, M.	ПІ	Applied System Innovation	Article	Gold Green
10	Evaluation of radioactive material leakage through the fuel cladding as result of diffusion processes during the long-term storage of spent nuclear fuel	Alyokhina, S. Maksymov, M.V. Romashov, Y.	КІТАРБІ	Journal of King Saud University - Engineering Sciences	Article	Gold Green
11	Decentralized Tele-Rehabilitation via Edge AI-Oracle Architecture for Spatiotemporal Pain Assessment	Bilous, N. Ostapchenko, D. Ahekan, I. Frohme, M.	ПІ	Sensors	Article	Gold Green
12	Infrared Small Target Detection via Graph Fourier Transform Tensor Nuclear Norm and Spatio-Temporal Overlapping Group Sparsity	Wu, A. Guo, Q. Kaliuzhnyi, M. Chen, Y. Fu, N.	IMI	IEEE Transactions on Geoscience and Remote Sensing	Article	
13	Replacing State Variables for Moore FSMs with Twofold State Assignment	Barkalov, A. Titarenko, L. Krzywicki, K.	IKI	Electronics (Switzerland)	Article	Gold
14	Universally Composable On-Chain Quadratic Voting for Liquid Democracy	Kovalchuk, L. Zhang, B. Nastencko, A. Yin, Z. Oliynykov, R. Rodinko, M.	БІТ	IEEE Transactions on Dependable and Secure Computing	Article	
15	Knowledge-Injected Transformer (KIT): A Modular Encoder-Decoder Architecture for Efficient Knowledge Integration and Reliable Question Answering	Kirichenko, L. Maksymenko, D. Turuta, O. Yakovlev, S. Turuta, O.	СГН	Applied Sciences (Switzerland)	Article	Gold Green
16	DDOAS-Net: Lightweight and interpretable compressed sensing by fusing a dual-domain physical model and a sparse prior	Li, S. Guo, Q. Song, T. Kaliuzhnyi, M.	IMI	Neurocomputing	Article	

17	Cooperative navigation factor graph optimization method based on robust variance component estimation	Wang, H. Fang, T. Kaliuzhnyi, M.	IMI	Measurement Science and Technology	Article	Hybrid gold
18	Variable Fractional-Order Maximum Versoria Criterion Multimodulus Blind Equalization Algorithm in Impulsive Noise Environments	Guo, Q. Gong, N. Kaliuzhnyi, M.	IMI	Circuits, Systems, and Signal Processing	Article	
19	Asymptotic analysis of resonant nonlinear oscillations of composite sandwich doubly curved shell with soft honeycomb core under axial harmonic excitation	Avramov, K. Uspensky, B. Liubarskyi, B.	KMIT	Acta Mechanica	Article	
20	An overview of cyber attacks on critical cyber-physical systems and government infrastructures	Tovkun, Y. Semerenska, V. Adamov, A.	АПOT	Security and Safety	Article	Gold Green
21	A critical review and evaluation of factual inaccuracies in Ukrainian scholarly publications on Academician Heorhiy Proskura's biography	Zhurylo, D. Kabachek, V. Zhurylo, O. Kushnaryov, S.	EOM	Acta Baltica Historiae et Philosophiae Scientiarum	Article	Gold
22	From photon emission to pixel intensity: Workflow-dependent signal formation and calibration in imaging-based electrochemiluminescence	Muzyka, K. Xu, G.	БМІ	Journal of Electroanalytical Chemistry	Review	
23	Sensor-Modality-Aware Human Activity Recognition with the Convolutional Tsetlin Machine: Interpretable and Resource-Efficient Neuro-Symbolic Learning	Tarasyuk, O. Gorbenko, A. Gordieiev, O. Akulynichev, A. Shafik, R. Yakovlev, A.	IKI	Sensors	Article	Gold Green
24	Feature Space Quantization and Application of Metrics in Structural Methods of Image Recognition	Gorokhovatskyi, V. Tvoroshenko, I. Yakovleva, O. Hudáková, M.	ИΦ	IEEE Access	Article	Gold Green
25	Advances and Outlook in Electrical, Electronics and Communications Engineering	Barkalov, A. Titarenko, L. Krzywicki, K.	IKI	Applied Sciences (Switzerland)	Editorial	Gold Green
26	Reducing LUT Counts in Moore FSMs with Twofold State Assignment	Barkalov, A. Titarenko, L. Krzywicki, K.	IKI	Applied Sciences (Switzerland)	Article	Gold Green
27	Electrochemiluminescence upon tetraphenylboron anion electro oxidation – an example of self-co-reactant ECL reaction	Zholudov, Y.T. Snizhko, D.V. Xu, G.	БМІ	Journal of Electroanalytical Chemistry	Article	
28	Synthesis of FPGA-Based Moore FSMs with Two Cores of Partial Functions	Barkalov, A. Titarenko, L. Krzywicki, K.	IKI	Electronics (Switzerland)	Article	Gold
29	Why do women pursue a Ph.D. in Computer Science?	Abrahám, E. Goulão, M. Janičić, M.V. Delany, S.J. Mersni, A. Yeremenko, O. Büyükdaglı, Ö. Boudaoud, K. Oehlhorn, C. Schmid, U. Büsing, C. Bolke-Hermanns, H. Köhnle, K. Pato, M. Cerci, D.S. Schmid, L.	IKI	Journal of Systems and Software	Article	Hybrid gold Green
30	Boundary element approach to fluid oscillations in rigid shells of revolution: Theoretical justification and computational assessment	Strelnikova, E. Gnitko, V. Degtyariov, K. Kriutchenko, D. Mishchenko, M.	ПМ	Engineering Analysis with Boundary Elements	Article	
31	Packing Approach to Generate Void Structures in Lightweighted Parts for Additive Manufacturing †	Marmolejo-Saucedo, J.A. Stoyan, Y. Yaskov, G. Litvinchev, I. Chuhai, A. Romanova, T. Stoian, Y.E.	KMIT ; ПМ	Mathematics	Article	Gold Green
32	TriMeta-BFNet: A Tri-Meta Stacked Atypical-Frequency Bayesian Fourier Neural Network for Hallucination-Resistant Community Detection	Qu, D. Ma, Y. Yan, J. Pyrozhenko, M.	KMIT	Mathematics	Article	Gold

Data set	Publications at the Kharkiv National University of Radio Electronics that fall within the top 25% journals by CiteScore
Year range	2022 to 2026
Subject classification	ASJC
Filtered by	not filtered
Types of publications included	All publication types
Self-citations	-
Data source	Scopus
Date last updated	6 September 2026
Date exported	11 September 2026
32 publications match the selected filter options:	
Publication years	2026

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Публікації авторів ХНУРЕ у журналах першого квартилю Q1 БД Scopus у 2025 році
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№ з/п	Назва публікації	Автори	Кафедра	Назва видання	Вид публікації	Відкритий доступ
1	Remote Monitoring System of Patient Status in Social IoT Environments Using Amazon Web Services Technologies and Smart Health Care	Abu-Jassar, A.T. Attar, H. Amer, A. Lyashenko, V. Yevsieiev, V. Solyman, A.	КІТАРБІ; МСТ	International Journal of Crowd Science	Article	Gold Green
2	Understanding the skills gap between higher education and industry in the UK in artificial intelligence sector	Jaiswal, K. Kuzminykh, I. Modgil, S.	ІКІ	Industry and Higher Education	Article	Hybrid gold Green
3	Development and Investigation of Vision System for a Small-Sized Mobile Humanoid Robot in a Smart Environment	Abu-Jassar, A.T. Attar, H. Amer, A. Lyashenko, V. Yevsieiev, V. Solyman, A.	КІТАРБІ; МСТ	International Journal of Crowd Science	Article	Gold Green
4	Deep Learning-Based NLOS Identification of UWB Signals	Qi, L. Zhao, Y. Guo, Q. Kaliuzhnyi, M. Wang, E.	ІМІ	IEEE Signal Processing Letters	Article	
5	A Radar Signal Deinterleaving Method Based on Enhanced Sparse Subspace Clustering	Guo, Q. Huang, S. Liu, L.-C. Kaliuzhnyi, M. Douplii, S.	ІМІ	IEEE Transactions on Aerospace and Electronic Systems	Article	
6	Mn3O4 Nanocrystal-Induced Eryptosis Features Ca2+ Overload, ROS and RNS Accumulation, Calpain Activation, Recruitment of Caspases, and Changes in the Lipid Order of Cell Membranes	Kot, Y. Prokopiuk, V. Klochkov, V. Tryfonyuk, L. Maksimchuk, P. Aslanov, A. Kot, K. Avrunin, O. Demchenko, L. Kurmangaliyeva, S. Onishchenko, A. Yefimova, S. Havranek, O. Tkachenko, A.	БМІ	International Journal of Molecular Sciences	Article	Gold Green
7	GLS: A hybrid deep learning model for radar emitter signal sorting	Qi, L. Chen, H. Guo, Q. Huang, S. Kaliuzhnyi, M.	ІМІ	Digital Signal Processing: A Review Journal	Article	
8	Tokenization efficiency of current foundational large language models for the Ukrainian language	Maksymenko, D. Turuta, O.	ШІ	Frontiers in Artificial Intelligence	Article	Gold Green
9	Aerobic oxidation catalyst vanadyl acetylacetonate boosts luminol chemiluminescence for sensitive detection of alkaline phosphatase and ascorbic acid	Zhang, W. Chen, Y. Ji, K. Dong, Z. Abdussalam, A. Zholudov, Y.T. Gao, W. Tian, Y. Xu, G.	БМІ	Analytical and Bioanalytical Chemistry	Article	

10	Detection of Small Targets in Sea Clutter Using Dual-Polarization Correlation Features and One-Class Classifier	Liu, L. Guo, Q. Huang, S. Kaliuzhnyi, M.	IMI	IEEE Geoscience and Remote Sensing Letters	Article	
11	Infrared Dim and Small Target Detection Based on Robust CUR Decomposition	Guo, Q. Wu, A. Kaliuzhnyi, M. Tuz, V.	IMI	IEEE Geoscience and Remote Sensing Letters	Article	
12	Adaptive polarimetric persymmetric detection for distributed subspace targets in lognormal texture clutter	Liu, L. Guo, Q. Tian, Y. Kaliuzhnyi, M. Tuz, V.	IMI	Digital Signal Processing: A Review Journal	Article	
13	Continuous Maximum Coverage Location Problem with Arbitrary Shape of Service Areas and Regional Demand	Yakovlev, S. Shekhovtsov, S. Kirichenko, L. Matsyi, O. Podzheha, D. Chumachenko, D.	KMIT ; ШІ	Symmetry	Article	Gold Green
14	Shell-like structures interacting with liquids and their applications	Choudhary, N. Degtyarev, K. Kriutchenko, D. Gnitko, V. Strelnikova, E.	ПМ	ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik	Article	
15	Geometrically nonlinear oscillations of composite sandwich cylindrical shell with honeycomb core under axial time periodic force	Uspensky, B. Avramov, K. Malyshev, S. Nikonov, O.	KMIT	International Journal of Non-Linear Mechanics	Article	
16	Modified Neuro-Fuzzy System for Online Classification of Wind Turbine Blade Defects	Dubchak, L. Bodyanskiy, Y. Sachenko, A. Wolff, C. Vivchar, N. Vasytkiv, N.	ШІ	IEEE Access	Article	Gold Green
17	Nonlinear normal modes and bifurcations of geometrically nonlinear vibrations of beams with breathing cracks	Malyshev, S. Avramov, K.	KMIT	Acta Mechanica	Article	
18	Self-sustained oscillations of a magnetic track brake frame	Avramov, K. Ebner, B. Edelmann, J. Mikhlin, Y.V. Uspensky, B.	KMIT	Nonlinear Dynamics	Article	
19	A single-electrode system for ZIF-67 enhanced luminol electrochemiluminescence detection of AQP4 antibody	Eticha, T. Zhu, M. Dong, Z. Abbas, F. Liu, H. Muzyka, K. Ma, D. Xu, G.	БМІ	Sensors and Actuators B: Chemical	Article	
20	Integrated Model for Intelligent Monitoring and Diagnostics of Animal Health Based on IoT Technology for the Digital Farm	Semenov, S. Karlov, D. Solecki, M. Ruban, I. Kovalenko, A. Piskarov, O.	EOM	Sustainability (Switzerland)	Article	Gold
21	A Multi-View Attention Hypergraph Neural Network for Radar Emitter Signal Sorting	Chen, H. Qi, L. Guo, Q. Kaliuzhnyi, M.	IMI	IEEE Signal Processing Letters	Article	
22	Policy recommendations for building a circular Ukraine	Kolupaieva, I. Lindahl, M.	KITAPБІ	Journal of Cleaner Production	Review	
23	Smart City: Information-Analytical Developing Model (The Case of the Visegrad Region)	Fesenko, T. Avdiushchenko, A. Fesenko, G.	EOM	Sustainability (Switzerland)	Article	Gold Green
24	Determination of Porosity and Moisture Content of Granular Activated Carbon Using Sub-Thz Ellipsometry	Haluza, O. Kolenov, I. Sokolenko, V. Lytvynenko, V. Gruzdo, I.	ПІ	Journal of Infrared, Millimeter, and Terahertz Waves	Article	
25	Optimization of the Sparse Array with Enhanced Degrees of Freedom and Low Mutual Coupling	Qi, L. Zhang, Y. Guo, Q. Wang, Y. Mykola, K. Qi, B.	IMI	Circuits, Systems, and Signal Processing	Article	
26	Synthesis of sparse linear array using IFT-inflating deflating exploration algorithm	Guo, Q. Liu, T. Li, D. Huang, S. Kaliuzhnyi, M.	IMI	Digital Signal Processing: A Review Journal	Article	
27	PT -symmetric mapping of three states and its implementation on a cloud quantum processor	Balytskyi, Y. Kotukh, Y. Khalimov, G. Chang, S.-Y.	БІТ	Quantum	Article	Gold Green

28	Impact of outliers on median-based and mean-based methods for anomalous diffusion exponent estimation	Lavrynenko, R. Kirichenko, L. Ryabova, N. Lavrynenko, S.	ШІ	JPhys Photonics	Article	Gold Green
29	Traffic Engineering Queue Optimization Models with Guaranteed Quality of Service Support	Titarenko, L. Lemeshko, O. Yeremenko, O. Savchenko, R. Barkalov, A.	IKI	Electronics (Switzerland)	Article	Gold
30	3D coordinate sensing with nonsmooth friction dynamical discontinuities compensation in laser scanning system	Sergiyenko, O. Núñez-López, J.A. Tyrsa, V. Alaniz-Plata, R. Pérez-Landeros, O.M. Selpúlveda-Valdez, C. Flores-Fuentes, W. Rodríguez-Quirón, J.C. Murrieta-Rico, F.N. Kartashov, V. Kolendovska, M.	MIPEC	Mechatronics	Article	
31	RCMFDUN: Deep unfolding network with range-nullspace decomposition and multi-scale feature fusion for high-fidelity compressed sensing	Guo, Q. Li, S. Li, T. Tian, Y. Kaliuzhnyi, M.	IMI	Neurocomputing	Article	
32	Opportunities for Adapting Data Write Latency in Geo-Distributed Replicas of Multicloud Systems	Kozina, O. Machado, J. Volk, M. Heiko, H. Panchenko, V. Kozin, M. Ivanova, M.	EOM	Future Internet	Article	Gold Green
33	Image Description Compression in Classification Structural Methods	Gorokhovatskyi, V. Tvoroshenko, I. Yakovleva, O. Hudakova, M.	ИФ	IEEE Access	Article	Gold Green
34	Predicting High-precision Depth on Low-Precision Devices Using 2D Hilbert Curves	Uss, M. Yermolenko, R. Shashko, O. Kolodiazna, O. Safonov, I. Savin, V. Yeo, Y. Ji, S. Jeong, J.	ШІ	Proceedings of Machine Learning Research	Conference Paper	
35	Improving procedures for evaluating expanded uncertainty at measuring instruments calibrating	Zakharov, I. Botsiura, O.	ПМ ; IBT	Measurement: Sensors	Conference Paper	Gold
36	Nonlinear Multidomain Model for Nerve Bundles with Random Structure	Pettersson, I. Rybalko, A. Rybalko, V.	ПМ	SIAM Journal on Mathematical Analysis	Article	
37	A Model-Based Heuristic for Packing Soft Rotated Rectangles in an Optimized Convex Container with Prohibited Zones	Melashenko, O. Romanova, T. Litvinchev, I. Martínez Gomez, C.G. Yang, R. Sun, B.	KMIT	Mathematics	Article	Gold Green
38	Improving Temporal Characteristics of Mealy FSM with Composite State Codes	Barkalov, A. Titarenko, L. Krzywicki, K. Saburova, S.	IKI	Electronics (Switzerland)	Article	Gold
39	Implementation of Professionally Oriented Tasks with Interactive Cloud Environment Google Colab	Sytnykova, Y. Kyrpenko, V. Palevych, S. Pochuieva, O. Lamtiuhova, S. Chaika, O.	ПМ	International Journal of Interactive Mobile Technologies	Article	Gold
40	Efficient and Accurate Single-Snapshot DOA Estimation for Massive ULA via Enhanced ApFFT	Qi, L. He, J. Guo, Q. Liu, L. Kaliuzhnyi, M.	IMI	Circuits, Systems, and Signal Processing	Article	
41	Ensemble-Based Correction for Anomalous Diffusion Exponent Estimation in Single-Particle Tracking	Lavrynenko, R. Kirichenko, L. Yakovlev, S. Lavrynenko, S. Ryabova, N.	ШІ	Applied Sciences (Switzerland)	Article	
42	Transforming Group Codes in Mealy Finite State Machines with Composite State Codes	Barkalov, A. Titarenko, L. Mielcarek, K.	IKI	Applied Sciences (Switzerland)	Article	Gold Green
43	Differentiable neural network layer for estimating Hurst and anomalous diffusion exponents	Lavrynenko, R. Kirichenko, L. Ryabova, N. Lavrynenko, S.	ШІ	Journal of Physics A: Mathematical and Theoretical	Article	
44	Enhancing 3D coordinate measurements in laser scanner by friction compensation	Sergiyenko, O. Núñez-López, J.A. Tyrsa, V. Alaniz-Plata, R. Pérez-Landeros, O.M. Lopez-Medina, F. Flores-Fuentes, W. Rodríguez-Quirón, J.C. Alba-Corpus, I.Y. Murrieta-Rico, F.N. Kasparyants, A. Kartashov, V. Kolendovska, M. Selpulveda-Valdez, C.	MIPEC	Precision Engineering	Article	
45	Development of a Mobile Video Platform for Diagnosing Human Motor Anomalies	Kyt, M. Yesilevskyi, V.	ПМ	International Journal of Online and Biomedical Engineering	Article	Gold

46	Dynamic instability of composite sandwich joined conical–cylindrical shell interacting with supersonic gas stream	Uspensky, B. Avramov, K. Salenko, A. Nikonov, O.	KMIT	ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik	Article	Bronze
47	Packing Multidimensional Spheres in an Optimized Hyperbolic Container	Stoyan, Y. Yaskov, G. Romanova, T. Litvinchev, I. Stoian, Y.E. Velarde Cantú, J.M. Acosta, M.L.	ПМ ; KMIT	Mathematics	Article	Gold Green

Data set Publications at the Kharkiv National University of Radio
Year range 2022 to 2025
Subject classification ASJC
Filtered by not filtered
Types of publications included All publication types
Self-citations -

Data source Scopus
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