

**Публікації авторів ХНУРЕ у журналах першого квартилю Q1 БД Scopus у 2024 році
за версією аналітичного інструменту SciVal**

Назва публікації	Автори	Кафедра	Назва видання	Вид публікації	Відкритий доступ
Multi-view 3D data fusion and patching to reduce Shannon entropy in Robotic Vision	Sergiyenko, O. Alaniz-Plata, R. Flores-Fuentes, W. Rodríguez-Quinonez, J.C. Miranda-Vega, J.E. Sepulveda-Valdez, C. Núñez-López, J.A. Kolendovska, M. Kartashov, V. Tyrsa, V.	MIPEC	Optics and Lasers in Engineering	Article	
Nonlinear normal modes of multi-walled nanoshells with consideration of surface effect and nonlocal elasticity	Avramov, K.	CT	International Journal of Non-Linear Mechanics	Article	
Robust STAP of Dictionary Local Adaptive Filling and Learning for Nonstationary Clutter Suppression	Guo, Q. Liu, L. Kaliuzhnyi, M. Chernogor, L. Wang, Y. Qi, L.	IMI	IEEE Transactions on Aerospace and Electronic Systems	Article	
Nonlinear Normal Modes of Vibrating Mechanical Systems: 10 Years of Progress	Mikhlin, Y. Avramov, K.	CT	Applied Mechanics Reviews	Article	Green
Optical observations of the potentially hazardous asteroid (4660) Nereus at opposition 2021	Troianskyi, V. Godunova, V. Serebryanskiy, A. Aimanova, G. Franco, L. Marchini, A. Bacci, P. Maestripieri, M. Berezin, D. Ivanova, O. Maigurova, N. Panko, E. Taradii, V. Khlamov, S.	MCT	Icarus	Article	
VS4 Nanodendrites with Narrow Bandgaps in Activating Dissolved Oxygen for Boosted Chemiluminescence and Hemin Detection by Unexpected Quenching	Abdussalam, A. Liu, H. Mostafa, I.M. Lou, B. Snizhko, D.V. Zholudov, Y.T. Zhang, W. Xu, G.	BMI	Analytical Chemistry	Article	
Packing stretched convex polygons in an optimized rectangle	Bennell, J. Litvinchev, I. Pankratov, A. Romanova, T.	CT	Wireless Networks	Article	
Adaptive detectors for mismatched subspace target in clutter with lognormal texture	Guo, Q. Liu, L. Huang, S. Kaliuzhnyi, M. Tuz, V.	IMI	Digital Signal Processing: A Review Journal	Article	
Importance of diffusional constraints for the quantitative evaluation of calibration curves of enzymatic micro- and nanoelectrochemical sensors	Dannaoui, R. Yang, X.-K. Huang, W.-H. Svir, I. Amatore, C. Oleinick, A.	АПІОТ	Electrochimica Acta	Article	Green
Mathematics in Robot Control for Theoretical and Applied Problems	Mercorelli, P. Sergiyenko, O. Tsymbal, O.	KITAM	Mathematics	Editorial	
Basic Approaches for Reducing Power Consumption in Finite State Machine Circuits—A Review	Barkalov, A. Titarenko, L. Bieganski, J. Krzywicki, K.	IKI	Applied Sciences (Switzerland)	Review	Gold

Improving the Effectiveness of Image Classification Structural Methods by Compressing the Description According to the Information Content Criterion	Daradkeh, Y.I. Gorokhovatskyi, V. Tvoroshenko, I. Zeghid, M.	IHF	Computers, Materials and Continua	Article	Gold
Using a metasurface to enhance the radiation efficiency of subterahertz antennas printed on thick substrates	Yashchyshyn, Y. Tokarsky, P.	KPICT3I	Scientific Reports	Article	Gold
Understanding the skills gap between higher education and industry in the UK in artificial intelligence sector	Jaiswal, K. Kuzminykh, I. Modgil, S.	IKI	Industry and Higher Education	Article	
The neural network approach for estimation of heat transfer coefficient in heat exchangers considering the fouling formation dynamic	Ilyunin, O. Bezsonov, O. Rudenko, S. Serdiuk, N. Udovenko, S. Kapustenko, P. Plankovskyy, S. Arsenyeva, O.	KITC	Thermal Science and Engineering Progress	Article	
Criterion for Ranking Interval Alternatives in a Decision-Making Task	Romanenkov, Y. Mukhin, V. Kosenko, V. Revenko, D. Lobach, O. Kosenko, N. Yakovleva, A.	KITAM; EK	International Journal of Modern Education and Computer Science	Article	Bronze
Resilient cloud cluster with DevSecOps security model, automates a data analysis, vulnerability search and risk calculation	Alghawli, A.S.A. Radivilova, T.	IKI	Alexandria Engineering Journal	Article	Hybrid gold
Method for DOA Estimation of Coprime Arrays Through Joint Auxiliary Arrays with Atomic Norm Minimization in the Presence of Gain-Phase Errors	Guo, Q. Zhao, W. Qi, L. Wang, Y. Mykola, K. Duplii, S.	IMI	Circuits, Systems, and Signal Processing	Article	
A Radar Signal Deinterleaving Method Based on Complex Network and Laplacian Graph Clustering	Guo, Q. Huang, S. Qi, L. Li, D. Kaliuzhnyi, M.	IMI	IEEE Signal Processing Letters	Article	
A SAR Multiple RFI Suppression Method via Frobenius Norm and Iterative Matrix Decomposition	Guo, Q. Tian, Y. Qi, L. Wang, Y. Li, D. Kaliuzhnyi, M.	IMI	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	Article	Gold
Application a Committee of Kohonen Neural Networks to Training of Image Classifier Based on Description of Descriptors Set	Gorokhovatskyi, V. Tvoroshenko, I. Yakovleva, O. Hudakova, M. Gorokhovatskyi, O.	IHF	IEEE Access	Article	Gold

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Date last updated	25 September 2024
Date exported	7 October 2024

21 publications

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