

СПИСОК
научных и научно – методических трудов
профессора Департамента компьютерной инженерии
Едилхан Дидара

Р/с №	Атауы	Баспа немесе қолжазба құқығында	Баспа, журнал (атауы, №, жылы, беттері), авторлық куәліктің, патенттің №	Баспа табактар - Количесство печатных листов	Қосалқы авторлардың аты-жөні - Ф.И.О. соавторов
№	Название	- Печат. или на правах рукописи	- Издательство, журнал (название, №, год, страницы), № авторского свидетельства, патента		
п/п					
1	2	3	4	5	6
В международных рецензируемых изданиях					
1	A virtual-structure-based type-3 fuzzy system for predictive sensor and actuator fault detection, compensation, and control in nonlinear systems	Печат.	Scientific Reports, 2026, DOI: 10.1038/s41598-026-07153-x CiteScore: 7.6 (2026) Percentile: 88 – Multidisciplinary (2026)	1.56 п.л.	Hong X., Zhakiyev N., Khani A., Mohammadzadeh A., Zhang C.
2	Vision-Based People Counting and Tracking for Urban Environments	Печат.	Journal of Imaging, 2026, DOI: 10.3390/jimaging12010027 CiteScore: 4.7 (2026) Percentile: 65 – Computer Vision (2026)	1.44 п.л.	Nurseitov D., Bostanbekov K., Toiganbayeva N., Zhalgas A., Amirgaliyev B.
3	Type-3 Fuzzy Gain-Scheduled State-Feedback Control	Печат.	International Journal of Fuzzy Logic and Intelligent Systems, 2025, DOI: 10.5391/IJFIS.2025.25.4.389 CiteScore: 3.1 (2025) Percentile: 86 – Artificial Intelligence (2025)	1.06 п.л.	Mao J., Tian M., Zhakiyev N., Mohammadzadeh A.
4	Handover decision techniques for vehicle-to-vehicle communication in 6G networks: exploring	Печат.	EURASIP Journal on Wireless Communications and Networking, 2025, DOI: 10.1186/s13638-025-02527-z CiteScore: 7.3 (2025) Percentile: 84 – Communications (2025)	1.56 п.л.	Aram M., Saoud B., Shayea I., Aldasheva L., Tussupov A.

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	applications, challenges, future trends ahead				
5	A Kazakh language Dataset of Lip Movements for Command Recognition	Печат.	Scientific Data, 2025, DOI: 10.1038/s41597-025-06193-0 CiteScore: 8.4 (2025) Percentile: 96 – Data Science (2025)	0.75 п.л.	Kenzheakhmetov B., Amankos A., Amirgaliyev B., Zhanibekova Zh., Zhalgas A.
6	Adversarial Attacks and Defense Mechanisms in Machine Learning: A Structured Review of Methods, Domains, and Open Challenges	Печат.	IEEE Access, 2025, DOI: 10.1109/ACCESS.2025.3624409 CiteScore: 9.0 (2025) Percentile: 90 – Computer Science (2025)	1.50 п.л.	Askhatuly A., Berdysheva D., Berdyshev A., Adamova A.
7	Federated Self-Supervised Few-Shot Face Recognition	Печат.	Journal of Imaging, 2025, DOI: 10.3390/jimaging11100370 CiteScore: 6.7 (2025) Percentile: 87 – Imaging (2025)	1.38 п.л.	Makhanov N., Amirgaliyev B., Islamgozhayev T.
8	OIKAN: A Hybrid AI Framework Combining Symbolic Inference and Deep Learning for Interpretable Information Retrieval Models	Печат.	Algorithms, 2025, DOI: 10.3390/a18100639 CiteScore: 4.5 (2025) Percentile: 78 – Computer Science (2025)	1.81 п.л.	Zhalgasbayev A., Salesheva S., Khaimuldin N.
9	Machine Learning-Based L1 Adaptive Control for a Class of Chaotic Systems	Печат.	IEEE Access, 2025, DOI: 10.1109/ACCESS.2025.3618691 CiteScore: 9.0 (2025) Percentile: 90 – Engineering (2025)	0.94 п.л.	Tian M., Yan S., Zhakiyev N., Mohammadzadeh A.
10	An advanced data analysis method using heating degree-days for estimating the efficiency of	Печат.	Results in Engineering, 2025, DOI: 10.1016/j.rineng.2025.107502 CiteScore: 7.3 (2025) Percentile: 86 – Engineering (2025)	0.81 п.л.	Omirgaliyev R., Khamzina A., Friedrich D., Zhakiyev N.

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	buildings in smart cities: A case study of Astana				
11	Efficient Area Coverage Strategies for High-Altitude UAVs in Smart City Monitoring	Печат.	Drones, 2025, DOI: 10.3390/drones9090632 CiteScore: 7.4 (2025) Percentile: 87 – Aerospace (2025)	1.94 п.л.	Kyzyrkanov A., Amirgaliyev B., Khaimuldin N., Ayub M.
12	Crowd Density Estimation Using Enhanced Multi-Column Convolutional Neural Network and Adaptive Collation	Печат.	IEEE Access, 2025, DOI: 10.1109/ACCESS.2025.3597393 CiteScore: 9.0 (2025) Percentile: 90 – Computer Science (2025)	1.06 п.л.	Serek A., Amirgaliyev B., Li R., Zhumadillayeva A.
13	Automated Classification of Public Transport Complaints via Text Mining Using LLMs and Embeddings	Печат.	Information, 2025, DOI: 10.3390/info16080644 CiteScore: 6.5 (2025) Percentile: 74 – Information Systems (2025)	1.56 п.л.	Rakhimzhanov D., Belginova S.
14	From Raw GPS to GTFS: A Real-World Open Dataset for Bus Travel Time Prediction	Печат.	Data, 2025, DOI: 10.3390/data10080119 CiteScore: 5.0 (2025) Percentile: 69 – Data Science (2025)	1.00 п.л.	Mansurova A., Mussina A., Aubakirov S., Nugumanova A.
15	Handover Decisions for Ultra-Dense Networks in Smart Cities: A Survey	Печат.	Technologies, 2025, DOI: 10.3390/technologies13080313 CiteScore: 8.5 (2025) Percentile: 88 – Engineering (2025)	1.44 п.л.	Amirova A., Shayea I., Aldasheva L., Zakirova A.
16	AI-Driven Handover Management and Load Balancing Optimization in Ultra-Dense 5G/6G Cellular Networks	Печат.	Technologies, 2025, DOI: 10.3390/technologies13070276 CiteScore: 8.5 (2025) Percentile: 88 – Engineering (2025)	1.31 п.л.	Chabira C., Shayea I., Nurzhaubayeva G., Aldasheva L.
17	Routing Challenges and Enabling Technologies for	Печат.	Technologies, 2025, DOI: 10.3390/technologies13060245 CiteScore: 8.5 (2025)	2.63 п.л.	Aktas F., Shayea I., Ergen M., Aldasheva L., Saoud B.

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	6G–Satellite Network Integration: Toward Seamless Global Connectivity		Percentile: 88 – Engineering (2025)		
18	Optimizing Switching Behavior of Organic Electrochemical Transistors	Печат.	Engineered Science, 2025, DOI: 10.30919/es1519 CiteScore: 12.5 (2025) Percentile: 97 – Materials Science (2025)	0.44 п.л.	Ilyassov B., Guerrero A., Zavgorodniy A., Aldasheva L.
19	Adaptive Replay Strategies Stabilize Multi-Agent Reinforcement Learning for Differential-Drive Robot Coordination	Печат.	Journal of Robotics and Control, 2025, DOI: 10.18196/jrc.v6i6.28387 CiteScore: 6.5 (2025) Percentile: 77 – Control Systems (2025)	1.25 п.л.	Kyzyrkanov A., Otarbay Z., Amirgaliyev B.
20	Intelligent obstacle avoidance algorithm for safe urban monitoring with autonomous mobile drones	Печат.	Journal of Electronic Science and Technology, 2024, DOI: 10.1016/j.jnlest.2024.100277 CiteScore: 5.7 (2024) Percentile: 74 – Electrical Engineering (2024)	1.06 п.л.	Kyzyrkanov A., Kutpanova Z., Aljawarneh S., Atanov S.
21	Development of an Intelligent Waste Segregation System Using a Self-Collected Dataset and Deep Learning Methods	Печат.	Journal of Robotics and Control, 2026, DOI: 10.18196/jrc.v7i1.27247 CiteScore: 6.5 (2026) Percentile: 77 – Control and Systems Engineering / Artificial Intelligence (2026)	0.75 п.л.	Zhargas A., Amirgaliyev B., Boltay B., Shegenova D., Zhylykybay N.
22	An intelligent control strategy for UAVs using adaptive Type-3 fuzzy logic with real-time uncertainty bounds and parallel auxiliary compensation	Печат.	Results in Control and Optimization, 2026, DOI: 10.1016/j.rico.2026.100690 CiteScore: 5.1 (2026) Percentile: 86 – Applied Mathematics / AI (2026)	0.75 п.л.	Sabzalian M., Zhakiyev N., Mohammadzadeh A.
В изданиях, рекомендуемых для публикации основных результатов научной деятельности, утвержденный уполномоченным органом в области образования и науки					

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23	Comparing tree detection from satellite and drone images for vegetation mapping near Astana	Печат.	International Journal of Information and Communication Technologies, 2025, Vol. 6, No. 24, pp. 274–287, DOI: 10.54309/IJICT.2025.24.4.016	0.88 п.л.	Satbayev S., Shoman A., Kutpanova Z., Bukayeva M.
24	Clustering-based methods for data-driven optimization in urban courier logistics	Печат.	Herald of the Kazakh-British Technical University, 2025, No. 2(73), DOI: 10.55452/1998-6688-2025-22-2-94-109	1.00 п.л.	Talgatuly Zh., Amirgaliyev B., Turginbekov A., Gadaborshev Kh.
25	Digital footprints: clustering browser history for user profiling using machine learning	Печат.	Journal of Problems in Computer Science and Information Technologies, 2025, No. 2(3), DOI: 10.26577/jpcsit20253202	0.81 п.л.	Idrissova M., Kim S., Amirgaliyev B., Rzayeva L.
26	Intelligent model for finding the optimal route to cover all streets with movement constraints	Печат.	International Journal of Information and Communication Technologies, 2025, Vol. 6, No. 22, pp. 57–74, DOI: 10.54309/IJICT.2025.22.2.004	1.13 п.л.	Khaimuldin N., Ospanova D., Amirgaliyev B.
27	Multi-output bus travel time prediction using convolutional LSTM neural networks	Печат.	Scientific Journal of Astana IT University, 2025, Volume 22, June, DOI: 10.37943/22JALW4601	1.06 п.л.	Kuatbayeva A., Sergaziyev M., Issenov D., Gizatov A.
28	Development of a deep learning model for forecasting and optimizing ride-sharing routes	Печат.	Journal of Problems in Computer Science and Information Technologies, 2025, No. 1(3), DOI: 10.26577/jpcsit20253106	1.06 п.л.	Amilbek N., Amirgaliyev B., Baishemirov Z.
29	Intelligent assistant for data preparation automation in urban transportation management systems	Печат.	Вестник КазАТК (The Bulletin of KazATC), 2025, No. 2(137), pp. 310–324, DOI: 10.52167/1609-1817-2025-136-2-310-324	0.94 п.л.	Sakhipov A., Seitbek R., Mektepbayeva A., Begisbayev D.
30	Using MLOps for deployment	Печат.	Scientific Journal of Astana IT University, 2025, Volume	1.31 п.л.	Mussina A., Alimzhanov Y.,

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	of opinion mining model as a service for smart city applications		21, March, DOI: 10.37943/21CPQX5616		Nugumanova A., Aubakirov S., Mansurova A.
31	Spatio-temporal analysis of air quality and noise pollution: advanced statistical methods and predictive modeling	Печат.	Information and Communication Technologies, 2025, DOI: 10.51885/1561-4212_2025_1_200	0.69 п.л.	Rakhmetulayeva S., Sarsenova Zh.
32	Deep neural network and CNN model of driving behavior prediction for autonomous vehicles in smart city	Печат.	Scientific Journal of Astana IT University, 2024, DOI: 10.37943/20MNZJ4935	1.06 п.л.	Kuatbayeva A., Sergaziyev M., Issenov D.
33	Analysis and assessment of air quality in Astana: comparison of pollutant levels and their impact on health	Печат.	Scientific Journal of Astana IT University, 2024, Volume 19, September, DOI: 10.37943/19SZFA3931	1.25 п.л.	Sarsenova Zh., Yermekov A., Salesheva S., Amirgaliyev B.
34	Determination of the reliability of air pollution measurement data based on vehicular emission recognized as concomitant in Astana	Печат.	Scientific Journal of Astana IT University, 2023, Volume 13, March, DOI: 10.37943/13QOJG5081	0.63 п.л.	Bissengaliyeva D., Amanzholov T., Rakhimkul A.
35	Multidimensional databases in information systems of universities	Печат.	Scientific Journal of Astana IT University, 2022, DOI: 10.37943/AITU.2022.53.85.008	0.63 п.л.	Mukasheva A., Aldiyar M.
36	Использование машинного обучения в информационной безопасности	Печат.	Вестник КазННТУ, 2021, No. 6, DOI: 10.51301/vest.su.2021.i6.14	0.44 п.л.	Асхатулы А., Бердышева Д.

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