

BIBLIOTEKA INFORMUOJA

2025 m. kovo 10 d. Nr. 10 (707)

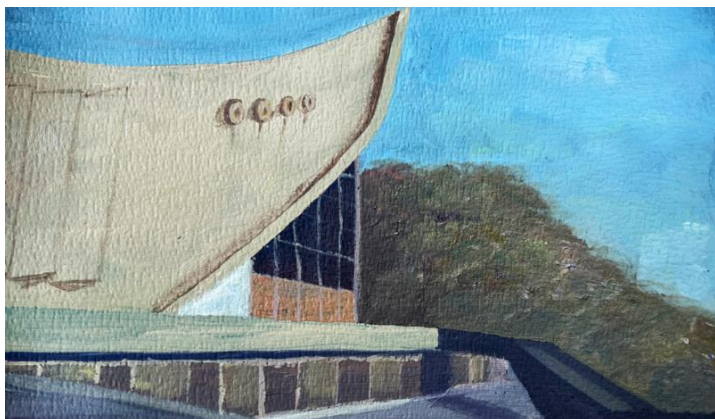
NAUJIENOS



Kovo 20 d. (ketvirtadienį) JoVE Open Days:
Lunch & Learn session



Paskelbti VILNIUS TECH monografių ir vadovėlių
konkursų nugalėtojai



Agnos Petkevičiūtės paroda: „Tarp gyvybės ir mirties:
kasdienybės eskizai“



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Daugiau bibliotekos naujienų

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Moksliniai straipsniai

Cervenka, V., Cervenka, J., Rimkus, A., & Gribniak, V. (2025). Finite element modeling of crack width and localization in reinforced concrete. *Buildings*, 15(4). <https://doi.org/10.3390/buildings15040529>

Žurnalo pozicija pagal kategorijas: CONSTRUCTION & BUILDING TECHNOLOGY – Q2; ENGINEERING, CIVIL – Q2

Deveci, M., Gokasar, I., Chen, Y., Wang, W., Karaismailoglu, A. E., & Antucheviciene, J. (2025). Analysis of green energy in sustainable transportation in developing nations through a decision support model. *Renewable Energy*, 244. <https://doi.org/10.1016/j.renene.2025.122643>

Žurnalo pozicija pagal kategorijas: ENERGY & FUELS – Q1; GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY – Q1

Ecer, F., Saha, A., Dincer, H., & Yuksel, S. (2025). Evaluating energy management investments for sustainable transition of smart cities through a new intuitionistic fuzzy consensus-based CoCoSo methodology. *Renewable Energy*, 244. <https://doi.org/10.1016/j.renene.2025.122655>

Žurnalo pozicija pagal kategorijas: ENERGY & FUELS – Q1; GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY – Q1

Galinskaite, A., Gruskiene, R., Kavleiskaja, T., Staneviciene, R., Serviene, E., & Sereikaite, J. (2025). Bioactive fucoidan-based three-component colloidal particles for food safety. *Food and Bioprocess Technology*. <https://doi.org/10.1007/s11947-025-03794-w>

Žurnalo pozicija pagal kategorijas: FOOD SCIENCE & TECHNOLOGY – Q1

Gorcun, O. F., Saha, A., & Ecer, F. (2025). Evaluation of crawler cranes for large-scale construction and infrastructure projects: An intuitionistic fuzzy consensus-based approach. *Journal of Industrial Information Integration*, 44. <https://doi.org/10.1016/j.jii.2025.100784>

Žurnalo pozicija pagal kategorijas: COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS – Q1; ENGINEERING, INDUSTRIAL – Q1

Gurauskis, D., Kasparaitis, A., Sokolovskij, E., Matijosius, J., & Kilikevicius, A. (2025). Analysis of stainless-steel tape dynamic behavior and its impact on raster scale formation accuracy. *Machines*, 13(2). <https://doi.org/10.3390/machines13020124>

Žurnalo pozicija pagal kategorijas: ENGINEERING, MECHANICAL – Q2; ENGINEERING, ELECTRICAL & ELECTRONIC – Q3

Iurasova, O. (2025). Decision support algorithm development for assortment optimization in the retail chain. *Journal Of Business Economics and Management*, 26(1), 127–144. <https://doi.org/10.3846/jbem.2025.22952>

Žurnalo pozicija pagal kategorijas: ECONOMICS – Q2; BUSINESS – Q3

Kobylianskyi, R., Przystupa, K., Lysko, V., Majewski, J., Vikhor, L., Boichuk, V., Zadorozhnyy, O., Kochan, O., Umanets, M., & Pasychnikova, N. (2025). Thermoelectric measuring equipment for perioperative monitoring of temperature and heat flux density of the human eye in vitreoretinal surgery. *Sensors*, 25(4). <https://doi.org/10.3390/s25040999>

Žurnalo pozicija pagal kategorijas: CHEMISTRY, ANALYTICAL – Q2; ENGINEERING, ELECTRICAL & ELECTRONIC – Q2; INSTRUMENTS & INSTRUMENTATION – Q2

Kuznia, M., Zakrzewska, P., Szajding, A., Zygmunt-Kowalska, B., Kairyte, A., Seputyte-Jucike, J., Boris, R., & Balciunas, G. (2025). Microspheres as a stabilizing element in polyurethane-cork composites. *Construction and Building Materials*, 469. <https://doi.org/10.1016/j.conbuildmat.2025.140491>

Žurnalo pozicija pagal kategorijas: CONSTRUCTION & BUILDING TECHNOLOGY – Q1; ENGINEERING, CIVIL – Q1; MATERIALS SCIENCE, MULTIDISCIPLINARY – Q1

Larsson, G., Mazeikiene, A., & Smaliukiene, R. (2025). Psychological prediction of stress-related hair steroid hormone levels in young men: a person-centered approach. *Nordic Psychology*, 77(1), 26–38. <https://doi.org/10.1080/19012276.2023.2247571>

Liao, H., Yin, X., Wu, X., & Bausys, R. (2025). An enhanced failure mode and effect analysis method based on preference disaggregation in risk analysis of intelligent wearable medical devices. *Engineering Applications of Artificial Intelligence*, 147. <https://doi.org/10.1016/j.engappai.2025.110384>

Žurnalo pozicija pagal kategorijas: AUTOMATION & CONTROL SYSTEMS – Q1; COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE – Q1; ENGINEERING, ELECTRICAL & ELECTRONIC – Q1; ENGINEERING, MULTIDISCIPLINARY – Q1

Mohammadi, K., Vaiskunaite, R., & Zigmontiene, A. (2025). Efficiency of hydrogen sulfide removal from biogas using a laboratory-scale biofilter packed with biochar, cellular concrete waste, or polyurethane foam: A COMSOL simulation study. *Processes*, 13(2). <https://doi.org/10.3390/pr13020329>

Žurnalo pozicija pagal kategorijas: ENGINEERING, CHEMICAL – Q2

Navickiene, E., & Riaubiene, E. (2025). Converging gender structures as a promise for a diversified architectural profession in Lithuania. *Trames-Journal of the Humanities and Social Sciences*, 29(1), 41–61. <https://doi.org/10.3176/tr.2025.1.03>

Okuneviciute Neverauskiene, L., Dirma, V., Tvaronaviciene, M., & Danileviciene, I. (2025). Assessing the role of renewable energy in the sustainable economic growth of the European Union. *Energies*, 18(4). <https://doi.org/10.3390/en18040760>

Pukalskas, S., Vipartas, T., Rimkus, A., Kriauciunas, D., Zaglinskis, J., Stravinskas, S., Usinskas, A., Juknelevicius, R., Mejeris, G., Zuraulis, V., Mejeris, V., & Narkevicius, A. (2025). Numerical modelling assessment of the impact of hydrogen on the energy and environmental performance of a car using dual fuel (gasoline-hydrogen). *Applied Sciences-Basel*, 15(4). <https://doi.org/10.3390/app15041939>

Žurnalo pozicija pagal kategorijas: ENGINEERING, MULTIDISCIPLINARY – Q1; CHEMISTRY, MULTIDISCIPLINARY – Q2; PHYSICS, APPLIED – Q2; MATERIALS SCIENCE, MULTIDISCIPLINARY – Q3

Stosiak, M., Lubecki, M., & Karpenko, M. (2025). Designing a composite hydraulic cylinder using genetic algorithms. *Actuators*, 14(2). <https://doi.org/10.3390/act14020077>

Žurnalo pozicija pagal kategorijas: ENGINEERING, MECHANICAL – Q2; INSTRUMENTS & INSTRUMENTATION – Q2

Straksys, A., Gruskiene, R., & Kavleiskaja, T. (2025). Evaluation of the stability of the β -carotene and xylan complexes under different environmental and long-term conditions. *Food Chemistry*, 476. <https://doi.org/10.1016/j.foodchem.2025.143434>

Žurnalo pozicija pagal kategorijas: CHEMISTRY, APPLIED – Q1; FOOD SCIENCE & TECHNOLOGY – Q1; NUTRITION & DIETETICS – Q1

Tunga, H., Kar, S., Hossain, H.-J., & Giri, D. (2025). Multi-objective optimization for order assignment in the food cart evaluation system. *Evolutionary Intelligence*, 18(2). <https://doi.org/10.1007/s12065-025-01023-z>

Usinskis, V., Nowicki, M., Dzedzickis, A., & Bucinskas, V. (2025). Sensor-fusion based navigation for autonomous mobile robot. *Sensors*, 25(4). <https://doi.org/10.3390/s25041248>

Žurnalo pozicija pagal kategorijas: CHEMISTRY, ANALYTICAL – Q2; ENGINEERING, ELECTRICAL & ELECTRONIC – Q2; INSTRUMENTS & INSTRUMENTATION – Q2

Vitola, L., Pundiene, I., Pranckeviciene, J., & Bajare, D. (2025). Innovative hemp shive-based bio-composites, part II: The effect of the phase change material (PCM) additive on characteristics of modified potato starch binders. *Materials*, 18(4). <https://doi.org/10.3390/ma18040891>

Žurnalo pozicija pagal kategorijas: METALLURGY & METALLURGICAL ENGINEERING – Q1; MATERIALS SCIENCE, MULTIDISCIPLINARY – Q2; PHYSICS, APPLIED – Q2; PHYSICS, CONDENSED MATTER – Q2; CHEMISTRY, PHYSICAL – Q3

Wu, P., Xie, Y., Zhou, L., Deveci, M., & Martinez, L. (2025). Multi-source data driven decision-support model for product ranking with consumer psychology behavior. *Information Fusion*, 118. <https://doi.org/10.1016/j.inffus.2025.103014>

Žurnalo pozicija pagal kategorijas: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE – Q1; COMPUTER SCIENCE, THEORY & METHODS – Q1

Zhang, S., Zhang, S., Zhu, F., Deveci, M., & Liu, X. (2025). Integrating case learning and consensus reaching in multi-criteria group sorting under hybrid assessment information. *Engineering Applications of Artificial Intelligence*, 146. <https://doi.org/10.1016/j.engappai.2025.110323>

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Zuraulis, V., Peceliunas, R., & Misevicius, T. (2025). Assessment of safe and sustainable operation for freight transportation company based on tire set configurations used in its trucks' fleet. *Sustainability*, 17(4). <https://doi.org/10.3390/su17041500>

Žurnalo pozicija pagal kategorijas: ENVIRONMENTAL SCIENCES – Q2; ENVIRONMENTAL STUDIES – Q2; GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY – Q3

Redakciniai straipsniai

Kulbacka, J., & Novickij, V. (2025). Is electroporation the key to drug delivery in drug-resistant cancers? *Expert Opinion on Drug Delivery*. <https://doi.org/10.1080/17425247.2025.2471463>

Žurnalo pozicija pagal kategorijas: PHARMACOLOGY & PHARMACY – Q1

Konferencijų pranešimai

Lee, T.-J., Lai, R.-C., Vasjanov, A., & Barzdenas, V. (2024). A 23.9 ppm/°C bandgap reference circuit with wide temperature range using subthreshold PVT detector. *2024 IEEE The 20th Asia Pacific Conference on Circuits and Systems, APCCAS 2024*, 265–268. <https://doi.org/10.1109/APCCAS62602.2024.10808664>

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2025.03.03 – 2025.03.09

Moksliniai straipsniai

Červenka, V., Červenka, J., Rimkus, A., & Gribniak, V. (2025). Finite element modeling of crack width and localization in reinforced concrete. *Buildings*, 15(4). <https://doi.org/10.3390/buildings15040529>

Žurnalo pozicija pagal kategorijas:

Engineering: Architecture – Q1

Engineering: Building and Construction – Q2

Engineering: Civil and Structural Engineering – Q2

Chang, Y.-Y., Davidaviciene, V., Bronner, A., & Yeshwant Raj, S. (2025). Overqualified yet motivated: Work motivation, technology uncertainty and overqualified employees' innovative behavior. *IEEE Transactions on Engineering Management*. <https://doi.org/10.1109/TEM.2025.3546164>

Žurnalo pozicija pagal kategorijas:

Engineering: Electrical and Electronic Engineering – Q1

Business, Management and Accounting: Strategy and Management – Q1

G, N., Praveenkumar, T., Madheswaran, D. K., Varuvel, E. G., Pugazhendhi, A., Thangamuthu, M., & Muthiya, S. J. (2025). Battery fault diagnosis methods for electric vehicle lithium-ion batteries: Correlating codes and battery management system. *Process Safety and Environmental Protection*, 196. <https://doi.org/10.1016/j.psep.2025.106919>

Žurnalo pozicija pagal kategorijas:

Engineering: Safety, Risk, Reliability and Quality – Q1

Chemical Engineering: General Chemical Engineering – Q1

Environmental Science: Environmental Engineering – Q1

Environmental Science: Environmental Chemistry – Q1

Galinskaitė, A., Gruškieienė, R., Kavleiskaja, T., Stanevičienė, R., Servienė, E., & Sereikaitė, J. (2025). Bioactive fucoidan-based three-component colloidal particles for food safety. *Food and Bioprocess Technology*. <https://doi.org/10.1007/s11947-025-03794-w>

Žurnalo pozicija pagal kategorijas:

Engineering: Safety, Risk, Reliability and Quality – Q1

Agricultural and Biological Sciences: Food Science – Q1

Engineering: Industrial and Manufacturing Engineering – Q1

Chemical Engineering: Process Chemistry and Technology – Q1

Girskas, G., & Kligys, M. (2025). Research on the main properties of cementitious mortars prepared with high-Fe₂O₃-content raw drinking water treatment sludge. *Materials*, 18(4). <https://doi.org/10.3390/ma18040759>

Žurnalo pozicija pagal kategorijas:

Physics and Astronomy: Condensed Matter Physics – Q2

Materials Science: General Materials Science – Q2

Gurauskis, D., Kasparaitis, A., Sokolovskij, E., Matijošius, J., & Kilikevičius, A. (2025). Analysis of stainless-steel tape dynamic behavior and its impact on raster scale formation accuracy. *Machines*, 13(2). <https://doi.org/10.3390/machines13020124>

Žurnalo pozicija pagal kategorijas:

Mathematics: Control and Optimization – Q2

Engineering: Industrial and Manufacturing Engineering – Q2

Engineering: Mechanical Engineering – Q2

Engineering: Control and Systems Engineering – Q2

Computer Science: Computer Science (miscellaneous) – Q2

Engineering: Electrical and Electronic Engineering – Q3

Hosseini Dehshiri, S. J., Amiri, M., Hajiaghaei-Keshteli, M., Keshavarz-Ghorabae, M., Zavadskas, E. K., & Antuchevičienė, J. (2024). Designing a sustainable closed-loop supply chain using robust possibilistic-stochastic programming in pentagonal fuzzy numbers. *Transport*, 39(4), 323–349. <https://doi.org/10.3846/transport.2024.23099>

Žurnalo pozicija pagal kategorijas:

Engineering: Automotive Engineering – Q2

Engineering: Mechanical Engineering – Q2

Ino, K., Mockaitis, T., Shikuwa, R., Oba, K., Hiramoto, K., Morkvenaite-Vilkonciene, I., Abe, H., & Shiku, H. (2025). Recent advances in electrochemiluminescence sensing for in vitro cell analysis: a review. *Analytical Sciences*. <https://doi.org/10.1007/s44211-025-00723-x>

Kairytė, A., Makowska, S., Vaitkus, S., Kremensas, A., Vėjelis, S., & Balčiūnas, G. (2025). Impact of tung oil and sodium silicate-coated wood chips on the performance of cement-based

thermal insulation composites. *Journal of Materials Research and Technology*, 35, 6123–6136. <https://doi.org/10.1016/j.jmrt.2025.02.251>

Žurnalo pozicija pagal kategorijas:

Materials Science: Metals and Alloys – Q1

Materials Science: Surfaces, Coatings and Films – Q1

Materials Science: Ceramics and Composites – Q1

Materials Science: Biomaterials – Q2

Kalvaityte, U., Bagdonas, E., Kirdaite, G., Kausaite-Minkstimiene, A., Uzieliene, I., Ramanaviciene, A., Popov, A., Butkiene, G., Karabanovas, V., Denkovskij, J., Mobasheri, A., & Bernotiene, E. (2025). Development of a sensitive quantum dot-linked immunoassay for the multiplex detection of biochemical markers in a microvolumetric format. *International Journal of Nanomedicine*, 20, 1717–1729. <https://doi.org/10.2147/IJN.S477118>

Žurnalo pozicija pagal kategorijas:

Biochemistry, Genetics and Molecular Biology: Biophysics – Q1

Pharmacology, Toxicology and Pharmaceutics: Pharmaceutical Science – Q1

Chemistry: Organic Chemistry – Q1

Pharmacology, Toxicology and Pharmaceutics: Drug Discovery – Q1

Materials Science: Biomaterials – Q1

Chemical Engineering: Bioengineering – Q1

Kobylianskyi, R., Przystupa, K., Lysko, V., Majewski, J., Vikhor, L., Boichuk, V., Zadorozhnyy, O., Kochan, O., Umanets, M., & Pasychnikova, N. (2025). Thermoelectric measuring equipment for perioperative monitoring of temperature and heat flux density of the human eye in vitreoretinal surgery. *Sensors*, 25(4). <https://doi.org/10.3390/s25040999>

Žurnalo pozicija pagal kategorijas:

Physics and Astronomy: Instrumentation – Q1

Engineering: Electrical and Electronic Engineering – Q1

Physics and Astronomy: Atomic and Molecular Physics, and Optics – Q1

Chemistry: Analytical Chemistry – Q1

Computer Science: Information Systems – Q1

Biochemistry, Genetics and Molecular Biology: Biochemistry – Q2

Kozłowski, E., Zimakowska-Laskowska, M., Dudziak, A., Wiśniowski, P., Laskowski, P., Stankiewicz, M., Šnauko, B., Lech, N., Gis, M., & Matijošius, J. (2025). Analysis of instantaneous energy consumption and recuperation based on measurements from SORT runs. *Applied Sciences (Switzerland)*, 15(4). <https://doi.org/10.3390/app15041681>

Žurnalo pozicija pagal kategorijas:

Engineering: General Engineering – Q1

Physics and Astronomy: Instrumentation – Q2

Chemical Engineering: Fluid Flow and Transfer Processes – Q2

Computer Science: Computer Science Applications – Q2

Materials Science: General Materials Science – Q2

Chemical Engineering: Process Chemistry and Technology – Q3

Lapinskaitė, I., Stasytytė, V., & Skvarciany, V. (2025). Unveiling how efficiently sustainability transforms into intangible assets of financial institutions. *Research in International Business and Finance*, 76. <https://doi.org/10.1016/j.ribaf.2025.102835>

Žurnalo pozicija pagal kategorijas:

Business, Management and Accounting: Business, Management and Accounting (miscellaneous) – Q1

Economics, Econometrics and Finance: Finance – Q1

Liao, H., Yin, X., Wu, X., & Bausys, R. (2025). An enhanced failure mode and effect analysis method based on preference disaggregation in risk analysis of intelligent wearable medical devices. *Engineering Applications of Artificial Intelligence*, 147. <https://doi.org/10.1016/j.engappai.2025.110384>

Žurnalo pozicija pagal kategorijas:

Engineering: Control and Systems Engineering – Q1

Engineering: Electrical and Electronic Engineering – Q1

Computer Science: Artificial Intelligence – Q1

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Žurnalo pozicija pagal kategorijas:

Chemical Engineering: Chemical Engineering (miscellaneous) – Q2

Chemical Engineering: Bioengineering – Q3

Chemical Engineering: Process Chemistry and Technology – Q3

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Arts and Humanities: General Arts and Humanities – Q2

Social Sciences: General Social Sciences – Q3

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Mathematics: Control and Optimization – Q1

Engineering: Engineering (miscellaneous) – Q1

Engineering: Electrical and Electronic Engineering – Q2

Energy: Energy Engineering and Power Technology – Q2

Energy: Fuel Technology – Q2

Energy: Energy (miscellaneous) – Q2

Energy: Renewable Energy, Sustainability and the Environment – Q2

Pukalskas, S., Vipartas, T., Rimkus, A., Kriaučiūnas, D., Žaglinskis, J., Stravinskas, S., Ušinskas, A., Juknelevičius, R., Mejeris, G., Žuraulis, V., Mejeris, V., & Narkevičius, A. (2025). Numerical modelling assessment of the impact of hydrogen on the energy and environmental performance of a car using dual fuel (gasoline–hydrogen). *Applied Sciences (Switzerland)*, 15(4). <https://doi.org/10.3390/app15041939>

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Chemical Engineering: Process Chemistry and Technology – Q3

Sledevič, T., Serackis, A., Matuzevičius, D., Plonis, D., & Vdovjak, G. (2025). Visual recognition of honeybee behavior patterns at the hive entrance. *PLoS ONE*, 20(2). <https://doi.org/10.1371/journal.pone.0318401>

Žurnalo pozicija pagal kategorijas:

Multidisciplinary – Q1

Stosiak, M., Lubecki, M., & Karpenko, M. (2025). Designing a composite hydraulic cylinder using genetic algorithms. *Actuators*, 14(2). <https://doi.org/10.3390/act14020077>

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Mathematics: Control and Optimization – Q2

Engineering: Control and Systems Engineering – Q2

Szewczyk, A., Rembiałkowska, N., Saczko, J., Daczewska, M., Novickij, V., & Kulbacka, J. (2025). Calcium electroporation induces stress response through upregulation of HSP27, HSP70, aspartate β -hydroxylase, and CD133 in human colon cancer cells. *Biological Research*, 58(1). <https://doi.org/10.1186/s40659-025-00591-9>

Žurnalo pozicija pagal kategorijas:

Agricultural and Biological Sciences: General Agricultural and Biological Sciences – Q1

Medicine: General Medicine – Q1

Biochemistry, Genetics and Molecular Biology: General Biochemistry, Genetics and Molecular Biology – Q1

Vitola, L., Pundiene, I., Pranckevičienė, J., & Bajare, D. (2025). Innovative hemp shive-based bio-composites, part II: The effect of the phase change material (PCM) additive on characteristics of modified potato starch binders. *Materials*, 18(4). <https://doi.org/10.3390/ma18040891>

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Žurnalo pozicija pagal kategorijas:

Social Sciences: Geography, Planning and Development – Q1

Computer Science: Computer Science (miscellaneous) – Q1

Environmental Science: Environmental Science (miscellaneous) – Q1

Environmental Science: Management, Monitoring, Policy and Law – Q1

Computer Science: Computer Networks and Communications – Q1

Energy: Energy Engineering and Power Technology – Q2

Computer Science: Hardware and Architecture – Q2

Energy: Renewable Energy, Sustainability and the Environment – Q2

Redakciniai straipsniai

Kulbacka, J., & Novickij, V. (2025). Is electroporation the key to drug delivery in drug-resistant cancers? *Expert Opinion on Drug Delivery*. <https://doi.org/10.1080/17425247.2025.2471463>

Žurnalo pozicija pagal kategorijas:

Pharmacology, Toxicology and Pharmaceutics: Pharmaceutical Science – Q1

Konferencijų pranešimai

García, F., Guijarro, F., Oliver, J., & Tamošiūnienė, R. (2024). Foreign exchange forecasting models: LSTM and BiLSTM comparison. *Engineering Proceedings*, 68(1). <https://doi.org/10.3390/engproc2024068019>

Žurnalų pozicijos pagal kategorijas nurodytos, jei bent vienoje kategorijoje žurnalas patenka į 1 arba 2 kvartilę (Q). Scopus DB žurnalai į kvartiles skirstomi pagal CiteScore rodiklio reikšmes.

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- [Scopus \(Elsevier\)](#) duomenų bazę: jos turinį ir naudojimą
- [Publikacijų registravimą ir ataskaitų generavimą eLABa PDB sistemoje](#)

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