

## **ЛЮТИЙ 2024**

### **Лютий 2024**

#### **Нові публікації науковців НУ "Запорізька політехніка" на платформі SCOPUS (5 лютого 2024 року):**

- 1) Narivs'kyi, O. (**Scopus Id:** 58849692100); Subbotin, S. (7006531104); Pulina, T. (57221949506)

Corrosion behavior of austenitic steels in chloride-containing media during the operation of plate-like heat exchangers

(2023) Physical Sciences and Technology, 10 (3-4), pp. 48 - 56

DOI: 10.26577/phst.2023.v10.i2.06

- 2) Alsayaydeh J.A.J., Yusof M.F.B., Mohan K.S., Hossain A.K.M.Z., Leoshchenko S. (57221812771)

Advancing Road Safety: Precision Driver Detection System with Integrated Overspeed, Alcohol Detection, and Tracking Capabilities

(2023) International Journal of Advanced Computer Science and Applications, 14 (12), pp. 504 - 516

DOI: 10.14569/IJACSA.2023.0141253

(Quartile – Q3)

- 3) Abuselidze G., Levchenko N. (57258686100), Shyshkanova G. (56871105500), Platonov O., Iushchenko L.

**POLICY OF DECARBONISATION OF THE TRANSPORT SECTOR OF THE ECONOMY OF UKRAINE: PROBLEMS AND PERSPECTIVES**

(2023) Ecological Chemistry and Engineering S, 30 (4), pp. 517 - 540

DOI: 10.2478/eces-2023-0046

(Quartile – Q2, Q3)

- 4) Tsyganov, V.V. (56712109100); Sheyko, S.P.; Shalomeev, V.A. (6505581621); Vodennikova, O.S.; Kulabnieva, O.A. (58837450300)

## ACCELERATED TESTING OF MECHANICAL AND CHEMICAL EFFECT OF THE ENVIRONMENT ON WEAR RESISTANCE OF PARTS OF TRIBOCOUPLES UNDER COMPLEX DYNAMIC LOADING

(2023) Eurasian Physical Technical Journal, 20 (4-46), pp. 61 - 66

DOI: 10.31489/2023No4/61-66

(Quartile – Q3, Q4)

5) Verbitsky, VG; Shcherbyna, Andrii (57346073400); Artyukh, Olexander (57216506845); Dudarenko, Olga (57216510835); Kuzmin, Viktor (57208664451); Ruban, D.P.; Fasoliak, Anton (58843969400)

## MATHEMATICAL MODELING OF CHANGE OF STEERING WHEEL TOE-IN ANGLES WHEN VEHICLE MOVES IN A CURVED DIRECTION

(2023) International Journal on Technical and Physical Problems of Engineering, 15 (4), pp. 344 - 350

(Quartile – Q3, Q4)

6) Dzhus, A.V. (58722586900); Snizhnoi, G.V. (54406427800)

Prediction the durability of heat exchangers made of 06KhN28MDT alloy (analogous to AISI904L steel) to crevice corrosion during their operation in recycled water

(2023) Physical Sciences and Technology, 10 (3-4), pp. 57 - 67

DOI: 10.26577/phst.2023.v10.i2.07

## **Нові публікації науковців НУ "Запорізька політехніка" на платформі SCOPUS (13 лютого 2024 року):**

Amoush, M.A.M., Khomyshyn, I., Dragan, I., Filippova, V., Bukanov, H. (**Scopus Id: 58854313200**)

Modeling Approaches for Sustainable Economic Development in Legal Field of Public Administration Systems

(2023) Review of Economics and Finance, 21, pp. 2384-2391.

DOI: 10.55365/1923.x2023.21.253

**(Quartile – Q4)**

**Нові публікації науковців НУ "Запорізька політехніка" на платформі SCOPUS (20 лютого 2024 року) – матеріали конференцій:**

- 1) Kolesnikova K., Gladka M., Kostikov M., Myronova, Natalia (58865464700)

A Model of an IoT System Based on RFID Tags for Mine Defense under War Conditions and in the Post-War Period

(2023) CEUR Workshop Proceedings, 3624, pp. 414 - 422

- 2) Zeleneva I. (6506324063), Didenko A. (58882094800), Holub T. (58882669300), Tabunshchyk G. (56007319800), Wolff C., Hrushko S. (57202232710)

Neural Network-Based Accelerator for Natural Language Text Classification

(2023) Proceedings of the IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS, pp. 68 - 72

DOI: 10.1109/IDAACS58523.2023.10348910

- 3) Ciutiene R., Kholiavko N., Karpenko Andrii (57222624649), Plynokos D. (57216846521), Karpenko Natalia (57222622576).

Synergy Effects for Project Stakeholders Under the Quadruple Helix Model

(2023) Proceedings of the IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS, pp. 917 - 922

DOI: 10.1109/IDAACS58523.2023.10348760

4) Rakhimova S., Yusupova F., Andryushchenko, Iryna  
(57215421064), Yumashev A., Karapetyan A.

Forecasting Development of Medical Services Market in the Context of  
Model-Based Innovation Economy

(2024) BIO Web of Conferences, 82, art. no. 05001

DOI: 10.1051/bioconf/20248205001

5) Laptiev O., Barabash O., Tsyganivska I., Obidin Dmytro  
(57202200324), Sobchuk A.

The Method of Construction of the Law of Safety Management of  
Critical Infrastructure Objects Under the Conditions of External  
Uncontrolled Influences

(2023) CEUR Workshop Proceedings, 3624, pp. 291 - 300

6) Kudermetov, Ravil (24479540900); Polska, Olga (57189332893);  
Shcherbak, Natalia (57189321324)

UML Profile for Decision-Making Systems Development with the Logic  
Scoring of Preference Method

(2023) Proceedings of the IEEE International Conference on Intelligent  
Data Acquisition and Advanced Computing Systems: Technology and  
Applications, IDAACS, pp. 613 - 616

DOI: 10.1109/IDAACS58523.2023.10348945

7) Yatsenko A. (58881870400), Parkhomenko A. (57210667343);,  
Wolff C., Tulenkov A. (57204944619), Parkhomenko A.  
(57218776064)

Investigation of Hardware-Software Solutions for an Energy-Efficient  
Wireless Sensor Network

(2023) Proceedings of the IEEE International Conference on Intelligent  
Data Acquisition and Advanced Computing Systems: Technology and  
Applications, IDAACS, pp. 385 - 390

DOI: 10.1109/IDAACS58523.2023.10348672

- 8) Korniienko V., Larchenko L., Parkhomenko Anzhelika (57210667343), Larchenko B.

Design Models of Bit-Stream Online-Computers of Elementary Mathematical Functions

(2023) Proceedings of the IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS, pp. 585 - 589

DOI: 10.1109/IDAACS58523.2023.10348885

**Нові публікації науковців НУ "Запорізька політехніка" на платформі SCOPUS (20 лютого 2024 року) - статті:**

- 1) Korotun, A.V. (14826879100); Smirnova, N.A. (57396448200); Moroz, G.V. (57190065654); Shilo, G.M.

Radiation Efficiency of the Spherical Metallic Nanoparticles, Covered with Molecular Adsorbate Layer [Радіаційна ефективність сферичних металевих наночастинок, вкритих шаром молекулярного адсорбату]

(2023) Journal of Nano- and Electronic Physics, 15 (6), art. no. 06025

DOI: 10.21272/jnep.15(6).06025

(Quartile – Q3, Q4)

- 2) Kachan, Yu. (6507584474); Shram, O. (58879489900)

TO THE ISSUE OF THE APPROPRIATE SCHEME FOR CONNECTING RENEWABLE ENERGY SOURCES TO INDUSTRIAL POWER GRIDS

(2023) Vidnovluvana Energetika, 2023 (2), pp. 11 - 17

DOI: 10.36296/1819-8058.2023.2(73).11-17

- 3) Poliakov, M. (55327899800); Vasylevskyi, V. (57877683900); Poliakov, O.

Evaluation of the Relative Aging Rate of the Insulation of the Mineral-Oil-Immersed Power Transformer According to the Data of the IEC 60076-7 Standard

(2024) IEEE Transactions on Dielectrics and Electrical Insulation, 31 (1), pp. 102 - 110

DOI: 10.1109/TDEI.2023.3338582

(Quartile: Electrical and Electronic Engineering – Q1)

4) Bocheliuk V. (57205677346), Shevtsov A., Pozdniakova O., Panov M., Zhadlenko I.

Effectiveness of Psycho-Correctional Methods and Technologies in Work with Children who have Autism: Systematic Review

(2023) Journal of Intellectual Disability - Diagnosis and Treatment, 11 (1), pp. 10 - 20

DOI: 10.6000/2292-2598.2023.11.01.2

(Quartile – Q4)

5) Usov V.V., Shkatuliak N.M., Rybak N.I., Tsarenko M.O., Pavlenko D.V. (6506590994), Tkach D. (24588185700), Pedash O.O.

Texture and Anisotropy of Mechanical Properties of Inconel 718 Alloy Products Obtained by 3D-Printing from Powders

(2023) Metallofizika i Noveishie Tekhnologii, 45 (1), pp. 111 - 125

DOI: 10.15407/mfint.45.01.0111

(Quartile – Q3, Q4)

**Нові публікації науковців НУ "Запорізька політехніка" на платформі SCOPUS (27 лютого 2024 року):**

1) Kazurova, Alina (Scopus Id: 53870467700); Pyrozhok, Andrii (58759314700); Antonova, Maryna (57202603690); Nazarova, Olena (58886736000); Meleshko, Iryna (7801461701)

Using Sequential Observers to Estimate the Parameters and State Vector of the Control System

(2023) Proceedings of the 5th International Conference on Modern Electrical and Energy System, MEES 2023

DOI: 10.1109/MEES61502.2023.10402464

2)\_ Andrienko, Andriy P. (57220201965); Andrienko, Andriy A. (58886886200); Zhorniak, Liudmila (58089310200); Maksymovych, Oleksii (58886754400); Sichenko, Victor

An Electric Drive Traction Transmission of Diesel Train Based on The Induction Motor with A Phase Rotor

(2023) Proceedings of the 5th International Conference on Modern Electrical and Energy System, MEES 2023

DOI: 10.1109/MEES61502.2023.10402534

3) Zaluzhnyi, Mykhailo (58886519000); Nazarova, Olena (58886736000); Krysan, Yurii (58886776000); Pyrozhok, Andrii (58759314700)

Laboratory Stand for Studying the Automated Air Temperature Monitoring System Using IoT Technologies

(2023) Proceedings of the 5th International Conference on Modern Electrical and Energy System, MEES 2023

DOI: 10.1109/MEES61502.2023.10402525

4) Zachepa, Iurii; Kuzmenko, Vitaly; Zachepa, Nataliia; Antonov, Mykola (57202590272); Antonova, Marina (58886756200); Khrebtova, Oksana

Modeling and Research of Automatic Sun Tracking System On the Bases of Arduino

(2023) Proceedings of the 5th International Conference on Modern Electrical and Energy System, MEES 2023

DOI: 10.1109/MEES61502.2023.10402538