

Публікації: Національний технічний університет "Харківський політехнічний інститут"

ЦСР7: Відновлювана енергія (за 2021-2024 роки)

№	Назва	Автори	Рік	Назва журналу Scopus	Посилання на анотацію
1.	Analyses of duck curve phenomena potential in polish PV prosumer households' installations	Olczak, P., Jaško, P., Kryzia, D., Matuszewska, D., Fyk, M.I., Dyczko, A.	2021	Energy Reports	https://www.scopus.com/record/display.url?eid=2-s2.0-85111516735&origin=resultslist
2.	Methodology for Accounting for the Influence of Dust Cover on the Performance of a Photovoltaic System for Matlab Simulink	Khasawneh, A., Qawaqzeh, M., Mirosnyk, O., Danylchenko, D., Minakova, K., Potryvai, A.	2021	Proceedings of the 20th IEEE International Conference on Modern Electrical and Energy Systems, MEES 2021	https://www.scopus.com/record/display.url?eid=2-s2.0-85123376699&origin=resultslist
3.	Optimal Design of the Cyclically Symmetrical Structure Under Static Load	Misura, S., Smetankina, N., Misiura, I.	2021	Lecture Notes in Networks and Systems	https://www.scopus.com/record/display.url?eid=2-s2.0-85101337040&origin=resultslist
4.	Analysis of Control Methods for the Traction Drive of an Alternating Current Electric Locomotive	Goolak, S., Tkachenko, V., Št'astniak, P., Sapronova, S., Liubarskyi, B.	2022	Symmetry	https://www.scopus.com/record/display.url?eid=2-s2.0-85123060675&origin=resultslist
5.	Protection of DC microgrids based on differential protection method by fuzzy systems	Dashtdar, M., Rubanenko, O., Danylchenko, D., Hosseinimoghadam, S.M.S., Sharma, N.K., Bai, M.	2021	2021 IEEE 2nd KhPI Week on Advanced Technology, KhPI Week 2021 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85118924302&origin=resultslist
6.	Accounting for the Effect of PV Panel Dustiness on System Performance with Correction for Panel Cleaning for Matlab Simulink	Shevchenko, S., Dovgalyuk, O., Danylchenko, D., Rubanenko, O., Fedorchuk, S., Potryvai, A.	2021	2021 IEEE 3rd Ukraine Conference on Electrical and Computer Engineering, UKRCON 2021 - Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85118920654&origin=resultslist

7.	Multi-Objective Optimization of Energy Aware Virtual Machine Placement in Cloud Data Center	Gomathi, B., Saravana Balaji, B., Krishna Kumar, V., Abouhawwash, M., Aljahdali, S., Masud, M., Kuchuk, N.	2022	Intelligent Automation and Soft Computing	https://www.scopus.com/record/display.url?eid=2-s2.0-85127800852&origin=resultslist
8.	The Influence of the Gas Content in the Working Fluid on Parameters of the the Hydraulic Motor's Axial Piston	Andrenko, P., Rogovyi, A., Hrechka, I., Khovanskyi, S., Svyarenko, M.	2021	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85111339130&origin=resultslist
9.	The study of flat plate solar collector with absorbing elements from a polymer material	Selikhov, Y., Klemeš, J.J., Kapustenko, P., Arsenyeva, O.	2022	Energy	https://www.scopus.com/record/display.url?eid=2-s2.0-85133728406&origin=resultslist
10.	Synthesis of the Current Controller of the Vector Control System for Asynchronous Traction Drive of Electric Locomotives	Goolak, S., Tkachenko, V., Sapronova, S., Lukoševičius, V., Keršys, R., Makaras, R., Keršys, A., Liubarskyi, B.	2022	Energies	https://www.scopus.com/record/display.url?eid=2-s2.0-85127408414&origin=resultslist
11.	Application of Geoinformation Systems for Assessment of Effective Integration of Renewable Energy Technologies in the Energy Sector of Ukraine	Ostapenko, O., Olczak, P., Koval, V., Hren, L., Matuszewska, D., Postupna, O.	2022	Applied Sciences (Switzerland)	https://www.scopus.com/record/display.url?eid=2-s2.0-85122265667&origin=resultslist
12.	Method of Selecting Energy-Efficient Parameters of an Electric Asynchronous Traction Motor for Diesel Shunting Locomotives—Case Study on the Example of a Locomotive Series ChME3 (ЧМЭ3, ČME3, ČKD S200)	Kuznetsov, V., Kardas-Cinal, E., Gołębowski, P., Liubarskyi, B., Gasanov, M., Riabov, I., Kondratieva, L., Opala, M.	2022	Energies	https://www.scopus.com/record/display.url?eid=2-s2.0-85122149009&origin=resultslist

13.	Modernization of a simulation model of a photovoltaic module, by accounting for the effect of snowing of photovoltaic panels on system performance with correction for panel cleaning for matlab simulink	Shevchenko, S., Danylchenko, D., Dryvetskyi, S., Potryvai, A.	2021	2021 IEEE 2nd KhPI Week on Advanced Technology, KhPI Week 2021 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85118938963&origin=resultslist
14.	Methods for assessing the investment attractiveness of innovative projects	Pererva, P., Usov, M., Chernobrovkina, S., Larka, L., Rudyka, V.	2021	Estudios de Economia Aplicada	https://www.scopus.com/record/display.url?eid=2-s2.0-85111029185&origin=resultslist
15.	IMPROVING A MODEL OF THE INDUCTION TRACTION MOTOR OPERATION INVOLVING NON- SYMMETRIC STATOR WINDINGS	Goolak, S., Liubarskyi, B., Sapronova, S., Tkachenko, V., Riabov, I., Glebova, M.	2021	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85119424573&origin=resultslist
16.	Review of Developments in Plate Heat Exchanger Heat Transfer Enhancement for Single-Phase Applications in Process Industries	Arsenyeva, O., Tovazhnyanskyy, L., Kapustenko, P., Klemeš, J.J., Varbanov, P.S.	2023	Energies	https://www.scopus.com/record/display.url?eid=2-s2.0-85164792370&origin=resultslist
17.	Biaxial Heat Balance Model of a Solar Collector	Minakova, K.A., Zaitsev, R.V.	2022	Journal of Nano- and Electronic Physics	https://www.scopus.com/record/display.url?eid=2-s2.0-85137616887&origin=resultslist
18.	Prediction the Melting Characteristics of Self-Shielded Flux Cored arc Welding (FCAW-S) with Exothermic Addition (CuO-Al)	Trembach, B., Balenko, O., Davydov, V., Brechko, V., Trembach, I., Kabatskyi, O.	2022	Proceedings of the 2022 IEEE 4th International Conference on Modern Electrical and Energy System, MEES 2022	https://www.scopus.com/record/display.url?eid=2-s2.0-85147331334&origin=resultslist

19.	Finding Software Ways to Reduce the Error for the Solar Power Plant Simulation Model	Shevchenko, S., Danylchenko, D., Potryvai, A., Minakova, K., Dryvetskyi, S.	2022	Proceedings - 16th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2022	https://www.scopus.com/record/display.url?eid=2-s2.0-85130615466&origin=resultslist
20.	Modeling the Energy Action of Vibration and Centrifugal Forces on the Working Medium and Parts in a Vibration Machine Oscillating Reservoir with an Impeller	Kundrák, J., Mitsyk, A.V., Fedorovich, V.A., Markopoulos, A.P., Grabchenko, A.I.	2021	Manufacturing Technology	https://www.scopus.com/record/display.url?eid=2-s2.0-85108218467&origin=resultslist
21.	DEVELOPMENT OF A MODIFICATION OF THE METHOD FOR CONSTRUCTING ENERGY-EFFICIENT SENSOR NETWORKS USING STATIC AND DYNAMIC SENSORS	Petrivskyi, V., Shevchenko, V., Yevseiev, S., Milov, O., Laptiev, O., Bychkov, O., Fedorienko, V., Tkachenko, M., Kurchenko, O., Opirskyy, I.	2022	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85125845750&origin=resultslist
22.	Increasing the energy efficiency of the multi-motor traction electric drive of an electric locomotive for railway quarry transport	Riabov, I., Goolak, S., Kondratieva, L., Overianova, L.	2023	Engineering Science and Technology, an International Journal	https://www.scopus.com/record/display.url?eid=2-s2.0-85153794477&origin=resultslist
23.	Simulation of the circulating motion of the working medium and metal removal during multi-energy processing under the action of vibration and centrifugal forces	Kundrák, J., Mitsyk, A.V., Fedorovich, V.A., Markopoulos, A.P., Grabchenko, A.I.	2021	Machines	https://www.scopus.com/record/display.url?eid=2-s2.0-85108718423&origin=resultslist
24.	Refined Model of Asynchronous Traction Electric Motor of Electric Locomotive	Goolak, S., Liubarskyi, B., Saponova, S., Tkachenko, V., Riabov, Ie.	2021	Transport Means - Proceedings of the International	https://www.scopus.com/record/display.url?eid=2-s2.0-85123181121&origin=resultslist

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25.	SMART GRID AND WIND GENERATORS: AN OVERVIEW OF CYBER THREATS AND VULNERABILITIES OF POWER SUPPLY NETWORKS	Fursov, I., Yamkovyi, K., Shmatko, O.	2022	Radioelectron ic and Computer Systems	https://www.scopus.com/record/display.url?eid=2-s2.0-85146913383&origin=resultslist
26.	The Effect of Blade Angle Deviation on Mixed Inflow Turbine Performances	Chelabi, M.A., Saga, M., Kuric, I., Basova, Y., Dobrotvorskiy, S., Ivanov, V., Pavlenko, I.	2022	Applied Sciences (Switzerland)	https://www.scopus.com/record/display.url?eid=2-s2.0-85128461195&origin=resultslist
27.	Analysis of the Efficiency of Traction Drive Control Systems of Electric Locomotives with Asynchronous Traction Motors	Goolak, S., Liubarskyi, B., Riabov, I., Lukoševičius, V., Keršys, A., Kilikevičius, S.	2023	Energies	https://www.scopus.com/record/display.url?eid=2-s2.0-85159307964&origin=resultslist
28.	DETERMINATION OF THE WORKING ENERGY CAPACITY OF THE ON-BOARD ENERGY STORAGE SYSTEM OF AN ELECTRIC LOCOMOTIVE FOR QUARRY RAILWAY TRANSPORT DURING WORKING WITH A LIMITATION OF CONSUMED POWER	Kondratieva, L., Bogdanovs, A., Overianova, L., Riabov, I., Goolak, S.	2023	Archives of Transport	https://www.scopus.com/record/display.url?eid=2-s2.0-85152485287&origin=resultslist
29.	Traction electric drive based on fuel cell batteries and on-board inertial energy storage for multi unit train	Omelyanenko, V.I., Riabov, I.S., Overianova, L.V., Omelianenko, H.V.	2021	Electrical Engineering and Electromechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85120060565&origin=resultslist

30.	Synthesis of the Energy-Saving Dry Dual Clutch Control Mechanism	Sergienko, N., Kalinin, P., Pavlenko, I., Ochowiak, M., Ivanov, V., Sergienko, A., Pavlova, N., Basova, Y., Titarenko, O., Nazarov, A., Krupińska, A., Matuszak, M., Włodarczak, S.	2023	Applied Sciences (Switzerland)	https://www.scopus.com/record/display.url?eid=2-s2.0-85146677029&origin=resultslist
31.	Electrochemical synthesis of crystalline niobium oxide	Ryshchenko, I., Lyashok, L., Vasilchenko, A., Ruban, A., Skatkov, L.	2021	Materials Science Forum	https://www.scopus.com/record/display.url?eid=2-s2.0-85112041457&origin=resultslist
32.	DEPOSITS AND QUALITY INDICATORS OF BROWN COAL IN UKRAINE	Miroshnichenko, D.V., Pyshyev, S.V., Lebedev, V.V., Bilets, D.Y.	2022	Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu	https://www.scopus.com/record/display.url?eid=2-s2.0-85135571899&origin=resultslist
33.	Economic Assessment of Heat Exchanger Network Retrofit Options Based on Historical Data of Energy Price Trends	Gil, T., Ilchenko, M., Kaldybaeva, B., Mironov, A., Boldyryev, S.	2021	Chemical Engineering Transactions	https://www.scopus.com/record/display.url?eid=2-s2.0-85122581065&origin=resultslist
34.	Neuroregulator with a Simplified Structure for Electric Drive with Frictional Load	Klepikov, V.B., Bieliaiev, O.S.	2022	2022 IEEE 3rd KhPI Week on Advanced Technology, KhPI Week 2022 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85141465553&origin=resultslist
35.	A Simulation Model of the Impact of Solar Panel Dust Cover on them Performance	Lakshmi, G.S., Rubanenko, O., Danylchenko, D., Potryvai, A.	2021	Proceedings - 2021 IEEE International Conference on Intelligent Systems, Smart and Green Technologies, ICISST 2021	https://www.scopus.com/record/display.url?eid=2-s2.0-85127607886&origin=resultslist

36.	PHE (Plate Heat Exchanger) for Condensing Duties: Recent Advances and Future Prospects	Kapustenko, P., Klemeš, J.J., Arsenyeva, O., Tovazhnyanskyy, L.	2023	Energies	https://www.scopus.com/record/display.url?eid=2-s2.0-85145775330&origin=resultslist
37.	Mathematical Model of the Electric Traction System of Quarry Railway Transport	Riabov, Ie., Liubarskyi, B., Overianova, L., Goolak, S., Kondratieva, L.	2022	Transport Means - Proceedings of the International Conference	https://www.scopus.com/record/display.url?eid=2-s2.0-85144493086&origin=resultslist
38.	Prospects of Using Prosumers to Analyze the Potential of Demand Management	Kulapin, O., Ivakhnov, A., Danylchenko, D., Fedorchuk, S., Hrytsenko, V., Stanislav, D.	2022	2022 IEEE 3rd KhPI Week on Advanced Technology, KhPI Week 2022 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85141542777&origin=resultslist
39.	Effect of Exothermic Additions in Core Filler on Arc Stability and Microstructure during Self-Shielded, Flux-Cored Arc Welding	Lozynskyi, V., Trembach, B., Katinas, E., Sadovyi, K., Krbata, M., Balenko, O., Krasnoshapka, I., Rebrova, O., Knyazev, S., Kabatskyi, O., Kniazieva, H., Ropyak, L.	2024	Crystals	https://www.scopus.com/record/display.url?eid=2-s2.0-85191456891&origin=resultslist
40.	Mathematical simulation of the vibration treatment of parts in a liquefied abrasive working medium	Kundrák, J., Morgan, M., Mitsyk, A.V., Fedorovich, V.A., Grabchenko, A.I.	2022	International Journal of Advanced Manufacturing Technology	https://www.scopus.com/record/display.url?eid=2-s2.0-85127405017&origin=resultslist
41.	Simulation of a direct torque control system in the presence of winding asymmetry in induction motor	Goolak, S., Liubarskyi, B., Riabov, I., Chepurna, N., Pohosov, O.	2023	Engineering Research Express	https://www.scopus.com/record/display.url?eid=2-s2.0-85163486517&origin=resultslist

42.	Radiation sensor based on thin-film CdTe/CdS device structure and its radiation resistance under high-intensity hydrogen plasma	Meriuts, A.V., Kharchenko, M.M., Khrypunov, G.S., Pudov, A.O., Makhlai, V.A., Herashchenko, S.S., Sokolov, S.A., Rybka, A.V., Kutny, V.E., Kolodiy, I.V., Dobrozhan, A.I., Kosinov, A.V., Khrypunov, M.G.	2022	Journal of Applied Physics	https://www.scopus.com/record/display.url?eid=2-s2.0-85138283930&origin=resultslist
43.	Vibration Reliability of the Turbine Unit's Housing Considering Random Imperfections	Krasnikov, S., Rogovyi, A., Mishchenko, I., Avershyn, A., Solodov, V.	2022	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85132120276&origin=resultslist
44.	An Increase in the Energy Efficiency of Axial Turbines by Ensuring Vibration Reliability of Blade Milling	Pavlenko, I., Kononenko, S., Czernek, K., Witczak, S., Dobrotvorskiy, S., Basova, Y., Ivanov, V., Krupińska, A., Matuszak, M., Włodarczak, S., Ochowiak, M.	2023	Energies	https://www.scopus.com/record/display.url?eid=2-s2.0-85147918809&origin=resultslist
45.	Nanostructured CuI thin films on biodegradable nanocellulose flexible substrates for UV-shielding applications	Klochko, N.P., Barbash, V.A., Klepikova, K.S., Kopach, V.R., Yashchenko, O.V., Zhadan, D.O., Petrushenko, S.I., Dukarov, S.V., Sukhov, V.M., Khrypunova, A.L.	2021	Molecular Crystals and Liquid Crystals	https://www.scopus.com/record/display.url?eid=2-s2.0-85111372558&origin=resultslist

46.	Utilizing thiourea-modified biochars to mitigate toxic metal pollution and promote mustard (<i>Brassica campestris</i>) plant growth in contaminated soils	Saleem, I., Ahmed, S.R., Lahori, A.H., Mierzwa-Hersztek, M., Bano, S., Afzal, A., Muhammad, M.T., Afzal, M., Vambol, V., Vambol, S., Zhang, Z.	2024	Journal of Geochemical Exploration	https://www.scopus.com/record/display.url?eid=2-s2.0-85178614473&origin=resultslist
47.	Research and Optimization of Hybrid On-Board Energy Storage System of an Electric Locomotive for Quarry Rail Transport	Goolak, S., Kondratieva, L., Riabov, I., Lukoševičius, V., Keršys, A., Makaras, R.	2023	Energies	https://www.scopus.com/record/display.url?eid=2-s2.0-85152530483&origin=resultslist
48.	DEVELOPMENT OF RATIONAL TECHNOLOGY FOR SODIUM GLYCEROXIDE OBTAINING	Korchak, M., Bliznjuk, O., Nekrasov, S., Gavrish, T., Petrova, O., Shevchuk, N., Strikha, L., Kostyrkin, O., Semenov, E., Saveliev, D.	2022	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85141749991&origin=resultslist
49.	Assessment of renewable energy use in natural gas liquid processing by improved process integration with heat pumps	Boldyryev, S., Kuznetsov, M., Ryabova, I., Krajačić, G., Kaldybaeva, B.	2023	e-Prime - Advances in Electrical Engineering, Electronics and Energy	https://www.scopus.com/record/display.url?eid=2-s2.0-85168495257&origin=resultslist
50.	Environmental and economic assessment of the efficiency of heat exchanger network retrofit options based on the experience of society and energy price records	Boldyryev, S., Gil, T., Ilchenko, M.	2022	Energy	https://www.scopus.com/record/display.url?eid=2-s2.0-85137094201&origin=resultslist

51.	Application of intelligent control systems in electric drives of rail vehicles	Kutovoj, Y., Kyrylenko, Y., Obruch, I., Kunchenko, T.	2021	2021 IEEE 2nd KhPI Week on Advanced Technology, KhPI Week 2021 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85118939421&origin=resultslist
52.	DEVELOPMENT OF A METHOD FOR OBTAINING A CdS/CdTe/Cu/Au MODULE ON A FLEXIBLE SUBSTRATE DESIGNED FOR BACKUP SUPPLYING SYSTEMS PREVENTION OF EMERGENCY SITUATIONS	Deyneko, N., Yeremenko, S., Kamyshentsev, G., Kryvulkin, I., Matiushenko, M., Myroshnyk, O., Pruskyi, A., Soshinsky, O., Strelets, V., Shevchenko, R.	2021	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85109893504&origin=resultslist
53.	Hybrid Reactive Power Compensator with Adaptation of the Operation of the Control System to the Parameters of the Mains Voltage	Goolak, S., Tkachenko, V., Kyrychenko, M., Kozlov, S.	2023	Problems of the Regional Energetics	https://www.scopus.com/record/display.url?eid=2-s2.0-85156271481&origin=resultslist
54.	Estimation of the main dimensions of the traction permanent magnet-assisted synchronous reluctance motor	Liubarskyi, B.G., Overianova, L.V., Riabov, I.S., Iakunin, D.I., Ostroverkh, O.O., Voronin, Y.V.	2021	Electrical Engineering and Electromechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85109194902&origin=resultslist
55.	Assessment of the On-Board Energy Storage Parameters of the Locomotive for Rail Quarry Transport	Riabov, I., Kondratieva, L., Overianova, L., Goolak, S.	2023	Lecture Notes in Intelligent Transportation and Infrastructure	https://www.scopus.com/record/display.url?eid=2-s2.0-85152533572&origin=resultslist

56.	Laser generation of CeAlO ₃ nanocrystals with perovskite structure	Vasytkovskyi, V., Bespalova, I., Gryshkov, O., Slipchenko, M., Tkachenko, S., Arhipov, P., Gerasymov, I., Zholudov, Y., Zhao, Z., Feldhoff, A., Sorokin, A., Slipchenko, O., Grynyov, B., Chichkov, B.	2023	Applied Physics A: Materials Science and Processing	https://www.scopus.com/record/display.url?eid=2-s2.0-85171831683&origin=resultslist
57.	DETERMINATION OF RATIONAL CONDITIONS FOR OIL EXTRACTION FROM OIL HYDRATION WASTE	Bliznjuk, O., Masalitina, N., Myronenko, L., Zhulinska, O., Denisenko, T., Nekrasov, S., Stankevych, S., Bragin, O., Romanov, O., Romanova, T.	2022	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85125861760&origin=resultslist
58.	Development of a Solar Element Model Using the Method of Fractal Geometry Theory	Budanov, P., Kyrysov, I., Brovko, K., Rudenko, D., Vasiuchenko, P., Nosyk, A.	2021	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85109163972&origin=resultslist
59.	DEVISING A METHOD FOR REDUCING ACTIVE POWER CORONA LOSSES BASED ON CHANGING THE STRUCTURAL PARAMETERS OF A POWER TRANSMISSION LINE	Shevchenko, S., Olubakinde, E., Danylchenko, D., Nazarenko, I., Savchenko, N., Shylkova, L.	2022	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85125844839&origin=resultslist
60.	Photovoltaic thermal PV/T systems: Increasing efficiency method	Minakova, K., Zaitsev, R.	2021	2021 IEEE 2nd KhPI Week on Advanced Technology, KhPI Week 2021 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85118927044&origin=resultslist

61.	STUDY OF THE CHARACTERISTICS OF THE RUNNER BLADE SYSTEM OF A HYDRAULIC MACHINE	Rezvaya, K., Tynyanova, I., Drankovskiy, V., Makarov, V., Basova, Y., Chyzykhov, I., Ruzmetov, A.	2022	International Journal of Mechatronics and Applied Mechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85142646356&origin=resultslist
62.	The efficiency of the active controlled rectifier operation in the mains voltage distortion mode	Krylov, D.S., Kholod, O.I.	2021	Electrical Engineering and Electromechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85120037654&origin=resultslist
63.	Contribution of leading edge shape to a damaging of castellated tungsten targets exposed to repetitive QSPA plasma loads	Makhlai, V.A., Garkusha, I.E., Herashchenko, S.S., Byrka, O.V., Aksenov, N.N., Malykhin, S.V., Surovitskiy, S.V., Wirtz, M.	2021	Physica Scripta	https://www.scopus.com/record/display.url?eid=2-s2.0-85118478367&origin=resultslist
64.	Numerical Assessment of the Rates of Solid Fuel Combustion Reactions and Their Impact on the Working Process of a Solid-Fuel Piston Engine	Belousov, E., Marchenko, A., Gritsuk, I., Bulgakov, M., Kravchenko, S., Polyvianchuk, A., Samarin, O., Ahieiev, M., Vrublevskiy, R.	2021	SAE Technical Papers	https://www.scopus.com/record/display.url?eid=2-s2.0-85103799507&origin=resultslist
65.	Mathematical modelling of transients in the electric drive of the turnout of the mono-sleeper type with switched-inductor motor	Buriakovskiy, S.G., Maslii, A.S., Asmolova, L.V., Goncharuk, N.T.	2021	Electrical Engineering and Electromechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85120816419&origin=resultslist
66.	Uniaxial Heat Balance Model of the Solar Collector	Minakova, K.A., Zaitsev, R.V.	2021	Journal of Nano- and Electronic Physics	https://www.scopus.com/record/display.url?eid=2-s2.0-85122268216&origin=resultslist

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72.	The Choice of the Electric Energy Storage Device Type for the Hybrid Power Drive of Military Wheeled Vehicles	Volontsevich, D., Strimovskyi, S., Veretennikov, I., Sivykh, D., Karpov, V.	2022	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85111354467&origin=resultslist

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75.	Concerning the Diagnosis of Asymmetric Modes in the Traction Induction Drive of the Electric Locomotive	Goolak, S., Riabov, I., Tkachenko, V., Kondratieva, L.	2022	2022 IEEE 3rd KhPI Week on Advanced Technology, KhPI Week 2022 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85141522551&origin=resultslist
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107	Specialized Schemes of Space-Vector Modulation of VSI for Synchronous Voltage Control of PV Stations	Oleshchuk, V., Minakova, K., Zaitsev, R., Vasiliev, I., Kirichenko, M.	2023	2023 IEEE 4th KhPI Week on Advanced Technology, KhPI Week 2023 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85179509372&origin=resultslist
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118	STUDY OF THE TWO-ROTOR ELECTRIC MOTOR OF A DRIVE OF VEHICLE DRIVE WHEELS	Sergienko, N., Kuznetsov, V., Liubarskyi, B., Pastushchina, M., Gołębiowski, P., Tkaczyk, S.	2021	Archives of Transport	https://www.scopus.com/record/display.url?eid=2-s2.0-85124216433&origin=resultslist
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120	Research of Closed Loop Control Systems of the Electric Drive of Mine Electric Locomotive with the DC Series Motor and Nonlinear Load	Ihor, O., Larysa, A., Serhii, B.	2021	Proceedings of the 20th IEEE International Conference on Modern Electrical and Energy Systems, MEES 2021	https://www.scopus.com/record/display.url?eid=2-s2.0-85123360202&origin=resultslist
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131	Problems Of Induction Generators Using At Wind Power Plants And Their Computer Simulation	Markov, V.S., Kriukova, N.V., Honcharov, Y.V., Polyakov, I.V.	2022	2022 IEEE 8th International Conference on Energy Smart Systems, ESS 2022 - Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85145351162&origin=resultslist
132	INFLUENCE OF CHLORIDE TREATMENTS ON THE EFFICIENCY OF SOLAR CELLS BASED ON CADMIUM TELLURIDE FILMS OBTAINED BY CLOSE SPACE SUBLIMATION METHOD	Khrypunov, G., Meriuts, A., Dobrozhan, A., Khrypunov, M., Shelest, T.	2022	Vidnovluvana Energetika	https://www.scopus.com/record/display.url?eid=2-s2.0-85184706913&origin=resultslist

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134	DESIGNING ENERGY-EFFICIENT HARDWARE AND TECHNOLOGICAL STRUCTURE OF ABSORPTION REFRIGERATION UNITS FOR AMMONIA PRODUCTION	Babichenko, A., Krasnikov, I., Babichenko, J., Panasenko, V., Snurnikov, D., Shutynskiy, O.	2024	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85190245502&origin=resultslist
135	Improving the Energy Efficiency of Small Hydropower Plants by Connecting an Energy Saving System with Kinetic Energy Storage	Savchenko, N., Dovgalyuk, O., Tretiak, A., Syromyatnikova, T.	2023	Proceedings of the 5th International Conference on Modern Electrical and Energy System, MEES 2023	https://www.scopus.com/record/display.url?eid=2-s2.0-85184991607&origin=resultslist
136	Transfer processes in porous diaphragms and ion-exchange membranes for hydrogen production in electrochemical reactor with reduced energy consumption	Nefedov, V., Matveev, V., Polishchuk, Y., Sukhyi, M.K., Tulskiy, H.	2024	IOP Conference Series: Earth and Environmental Science	https://www.scopus.com/record/display.url?eid=2-s2.0-85196085917&origin=resultslist
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192	Influence of Microsecond Pulse Helium Plasma Flow on the Surface Morphology and Crystal Structure of the Photovoltaic Converters Based on CdS/CdTe	Khrypunov, G.S., Harchenko, M.M., Meriuts, A.V., Carlin, J.F., Makhlai, V.A., Herashchenko, S.S., Abashin, S.L., Surovitskiy, S.V., Pudov, A.O., Dobrozhan, A.I.	2024	Journal of Nano- and Electronic Physics	https://www.scopus.com/record/display.url?eid=2-s2.0-85199258869&origin=resultslist
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205	Vector and neural network control of asynchronous electric drive with friction load	Obruch, I., Asmolova, L., Khudiayev, O., Tyshchenko, L.	2023	Proceedings of the 5th International Conference on Modern Electrical and Energy System, MEES 2023	https://www.scopus.com/record/display.url?eid=2-s2.0-85185002962&origin=resultslist

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