

Publications: National Technical University “Kharkiv Polytechnic Institute”

SDG9: Industry, Innovation and Infrastructure (2021-2024)

№	Title	Authors	Year	Scopus Source title	Abstract
1.	Framing Artificial Intelligence (AI) Additive Manufacturing (AM)	Heiden, B., Alieksieiev, V., Volk, M., Tonino-Heiden, B.	2021	Procedia Computer Science	https://www.scopus.com/record/display.url?eid=2-s2.0-85112686425&origin=resultslist
2.	Artificial Intelligence as a Key Driver of Business Operations Transformation in the Conditions of the Digital Economy	Maslak, O.I., Maslak, M.V., Grishko, N.Y., Hlazunova, O.O., Pererva, P.G., Yakovenko, Y.Y.	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-s2.0-85123367825&origin=resultslist
3.	Modeling of security systems for critical infrastructure facilities	Yevseiev, S., Hryshchuk, R., Molodetska, K., Nazarkevych, M., Hrytsky, V., Milov, O., Korol, O., Milevskyi, S., Korolev, R., Pohasii, S., Tkachov, A., Melenti, Y., Lavrut, O., Havrylova, A., Herasymov, S., Holotaistrova, H., Avramenko, D., Vozniak, R., Voitko, O., Yerhidzei, K., Mykus, S., Pribyliev, Y., Akhiezer, O., Shyshkin, M., Opirskyy, I., Harasymchuk, O., Mykhaylova, O., Nakonechnyy, Y., Stakhiv, M., Tomashevsky, B.	2022	Modeling of security systems for critical infrastructure facilities	https://www.scopus.com/record/display.url?eid=2-s2.0-85165313651&origin=resultslist

4.	Economic Substantiation Of Outsourcing The Information Technologies And Logistic Services In The Intellectual And Innovative Activities Of An Enterprise	Pererva, P., Kuchynskyi, V., Kobieliava, T., Kosenko, A., Maslak, O.	2021	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85119453590&origin=resultslist
5.	Modeling the selection of innovative strategy for development of industrial enterprises	Mironova, N., Koptieva, H., Liganenko, I., Sakun, A., Chernyak, D.	2022	WSEAS Transactions on Business and Economics	https://www.scopus.com/record/display.url?eid=2-s2.0-85124550489&origin=resultslist
6.	Ensuring the sustainable development of an industrial enterprise on the principle of compliance-safety	Pererva, P., Kobieliava, T., Kuchynskyi, V., Garmash, S., Danko, T.	2021	Estudios de Economía Aplicada	https://www.scopus.com/record/display.url?eid=2-s2.0-85107284965&origin=resultslist
7.	Plate heat exchanger design for the utilisation of waste heat from exhaust gases of drying process	Arsenyeva, O., Klemeš, J.J., Kapustenko, P., Fedorenko, O., Kusakov, S., Kobylnik, D.	2021	Energy	https://www.scopus.com/record/display.url?eid=2-s2.0-85109095996&origin=resultslist
8.	Innovative Safety of the Ukrainian Electrical Industry: Benchmarking Indicators for Provision	Maslak, O.I., Maslak, M.V., Grishko, N.Y., Yaroslava, Y.Y., Hlazunova, O.O., Pirogov, D.L.	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-s2.0-85123344271&origin=resultslist
9.	Methods for assessing the investment attractiveness of innovative projects	Pererva, P., Usov, M., Chernobrovkina, S., Larka, L., Rudyka, V.	2021	Estudios de Economía Aplicada	https://www.scopus.com/record/display.url?eid=2-s2.0-85111029185&origin=resultslist

10.	Review of Developments in Plate Heat Exchanger Heat Transfer Enhancement for Single-Phase Applications in Process Industries	Arsenyeva, O., Tovazhnyansky, 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
11.	DEVELOPMENT OF CRYPTO-CODE CONSTRUCTS BASED ON LDPC CODES	Pohasii, S., Yevseiev, S., Zhuchenko, O., Milov, O., Lysechko, V., Kovalenko, O., Kostiak, M., Volkov, A., Lezik, A., Susukailo, V.	2022	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85130069202&origin=resultslist
12.	Economic business partnerships within industry 4.0: New technologies in management	Portna, O.V., Iershova, N.Y.U., Tereshchenko, D.A., Kryvytska, O.R.	2021	Montenegrin Journal of Economics	https://www.scopus.com/record/display.url?eid=2-s2.0-85102937286&origin=resultslist
13.	Ball Bearing Fault Diagnosis Using Recurrence Analysis	Kecik, K., Smagala, A., Lyubitska, K.	2022	Materials	https://www.scopus.com/record/display.url?eid=2-s2.0-85137943944&origin=resultslist
14.	Reduction of Granular Material Losses in a Vortex Chamber Supercharger Drainage Channel	Rogovyi, A., Korohodskyi, V., Neskorozhenyi, A., Hrechka, I., Khovanskyi, S.	2022	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85132120859&origin=resultslist
15.	Development of Optimum Thin-Walled Parts Milling Parameters Calculation Technique	Dobrotvorskiy, S., Kononenko, S., Basova, Y., Dobrovolska, L., Edl, M.	2021	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85110705230&origin=resultslist

16.	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
17.	DEVISING A METHOD FOR BALANCING THE LOAD ON A TERRITORIALY DISTRIBUTED FOGGY ENVIRONMENT	Kuchuk, N., Mozhaiev, O., Semenov, S., Haichenko, A., Kuchuk, H., Tiulieniev, S., Mozhaiev, M., Davydov, V., Brusakova, O., Gnusov, Y.	2023	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85152011746&origin=resultslist
18.	Sustainable development in emerging economy: Using the analytical hierarchy process for corporate social responsibility decision making	Brin, P., Nehme, M.	2021	Journal of Information Technology Management	https://www.scopus.com/record/display.url?eid=2-s2.0-85112249157&origin=resultslist
19.	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
20.	Project management as a development tool for greening of enterprises of the national economy	Shmatko, N., Bondar, I., Tokareva, V., Kovalenko, N., Klenin, O., Kotlubai, V.	2021	IOP Conference Series: Earth and Environmental Science	https://www.scopus.com/record/display.url?eid=2-s2.0-85120580324&origin=resultslist

21.	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
22.	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
23.	Socio-Cyber-Physical Systems Security Concept	Yevseiev, S., Milevskyi, S., Bortnik, L., Alexey, V., Bondarenko, K., Pohasii, S.	2022	HORA 2022 - 4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85133971560&origin=resultslist
24.	Economic Assessment of Heat Exchanger Network Retrofit Options Based on Historical Data of Energy Price Trends	Gil, T., Ilchenko, M., Kaldybaeva, B., Mironov, A., Boldryev, S.	2021	Chemical Engineering Transactions	https://www.scopus.com/record/display.url?eid=2-s2.0-85122581065&origin=resultslist
25.	PHE (Plate Heat Exchanger) for Condensing Duties: Recent Advances and Future Prospects	Kapustenko, P., Klemeš, J.J., Arsenyeva, O., Tovazhnyansky, L.	2023	Energies	https://www.scopus.com/record/display.url?eid=2-s2.0-85145775330&origin=resultslist
26.	Commercialization of intellectual property objects in industrial enterprises	Pererva, P., Maslak, M.	2022	Problems and Perspectives in Management	https://www.scopus.com/record/display.url?eid=2-s2.0-85140381974&origin=resultslist

27.	An experimental study on elastic and strength properties of additively-manufactured plastic materials	Potopalska, K., Tyshkovets, O., Kalinovskiy, A., Vasyliiev, S.	2021	Materials Science Forum	https://www.scopus.com/record/display.url?eid=2-s2.0-85112080737&origin=resultslist
28.	TRANSPARENCY OF AGRICULTURE COMPANIES: RATIONALE OF RESPONSIBLE INVESTMENT FOR BETTER DECISION MAKING UNDER SUSTAINABILITY	Makarenko, I., Plastun, A., Mazancova, J., Juhaszova, Z., Brin, P.	2022	Agricultural and Resource Economics	https://www.scopus.com/record/display.url?eid=2-s2.0-85133381561&origin=resultslist
29.	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
30.	An Increase in the Energy Efficiency of Axial Turbines by Ensuring Vibration Reliability of Blade Milling	Pavlenko, I., Kononenko, S., Czernek, K., Witzak, 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
31.	PROSPECTS FOR THE DEVELOPMENT OF PROCESS EQUIPMENT IN AGGREGATE-MODULAR DESIGN FOR SUSTAINABLE MECHANICAL ENGINEERING	Yakovenko, I., Permyakov, A., Dobrotvorskiy, S., Basova, Y., Kotliar, A., Zinchenko, A.	2023	International Journal of Mechatronics and Applied Mechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85165231777&origin=resultslist

32.	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
33.	Impact of Magnetic-Pulse and Chemical-Thermal Treatment on Alloyed Steels' Surface Layer	Kostyk, K., Kuric, I., Saga, M., Kostyk, V., Ivanov, V., Kovalov, V., Pavlenko, I.	2022	Applied Sciences (Switzerland)	https://www.scopus.com/record/display.url?eid=2-s2.0-85122178001&origin=resultslist
34.	Part decomposition efficiency expectation evaluation in additive manufacturing process planning	Garashchenko, Y., Rucki, M.	2021	International Journal of Production Research	https://www.scopus.com/record/display.url?eid=2-s2.0-85094111340&origin=resultslist
35.	Analysis of 3D triangulated models of Madygenerpeton pustulatum fossil skull	Garashchenko, Y., Kogan, I., Rucki, M.	2021	Proceedings of the 21st International Conference of the European Society for Precision Engineering and Nanotechnology, EUSPEN 2021	https://www.scopus.com/record/display.url?eid=2-s2.0-85109209626&origin=resultslist
36.	Traffic Modeling for the Industrial Internet of NanoThings	Kuchuk, N., Kovalenko, A., Ruban, I., Shyshatskyi, A., Zakovorotnyi, O., Sheviakov, I.	2023	2023 IEEE 4th KhPI Week on Advanced Technology, KhPI Week 2023 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85179514693&origin=resultslist

37.	Experimental investigation of thermal and hydraulic performance of panel plate heat exchangers	Arsenyeva, O., Perevertaylenko, O., Tovazhnyansky, L., Arsenyev, P., Kapustenko, P.	2023	Thermal Science and Engineering Progress	https://www.scopus.com/record/display.url?eid=2-s2.0-85164124795&origin=resultslist
38.	Advanced Technologies of Manufacturing Readily Removable Cores for Obtaining High-Quality Castings	Ponomarenko, O., Grimzin, I., Yevtushenko, N., Lysenko, T., Marynenko, D.	2021	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85110618464&origin=resultslist
39.	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
40.	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
41.	A Method for Calculating the Strength Performance of Cast Parts	Ponomarenko, O., Yevtushenko, N., Berlizieva, T., Grimzin, I., Lysenko, T.	2023	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85138821073&origin=resultslist
42.	Protection of railway infrastructure objects against electrical corrosion	Trykoz, L., Kamchatnaya, S., Borodin, D., Atynian, A., Tkachenko, R.	2021	Anti-Corrosion Methods and Materials	https://www.scopus.com/record/display.url?eid=2-s2.0-85111626044&origin=resultslist

43.	Application of copper and aluminium electrode in electro coagulation process for municipal wastewater treatment: A case study at Karachi	Rafique, L., Adnan, A., Taha, A., Bano, S., Vambol, S., Mushtaq, T., Ilyas, N., Hussain, S., Borysova, L., Kovalov, O.	2023	Ecological Questions	https://www.scopus.com/record/display.url?eid=2-s2.0-85144227807&origin=resultslist
44.	Corporate Social Responsibility and Countries' Reputation: A Study from a Global Strategic Management Perspective	Krasnokutska, N., Danko, T.	2022	Comparative CSR and Sustainability: New Accounting for Social Consequences	https://www.scopus.com/record/display.url?eid=2-s2.0-85178594673&origin=resultslist
45.	INCREASING SME SUPPLY CHAIN RESILIENCE IN THE FACE OF RAPIDLY CHANGING DEMAND WITH 3D MODEL VISUALISATION	Basova, Y., Dobrotvorskiy, S., Balog, M., Iakovets, A., Chelabi, M.A., Zinchenko, A.	2023	International Journal of Mechatronics and Applied Mechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85178403426&origin=resultslist
46.	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
47.	Energy companies' transparency: Toward competitiveness and SDG 7 progress	Makarenko, I., Brin, P., Belgibayeva, A., Orlov, I., Oleksich, Z.	2023	Problems and Perspectives in Management	https://www.scopus.com/record/display.url?eid=2-s2.0-85165546947&origin=resultslist

48.	Revitalizing Ukrainian Cities: The Role of Public-Private Partnerships in Smart Urban Development	Kruhlov, V., Dvorak, J., Moroz, V., Tereshchenko, D.	2024	Central European Public Administration Review	https://www.scopus.com/record/display.url?eid=2-s2.0-85198469876&origin=resultslist
49.	Model of the Pneumatic Positional Unit with a Discrete Method for Control Dynamic Characteristics	Cherkashenko, M., Gusak, O., Fatyeyev, A., Fatieieva, N., Gasiyk, A.	2022	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85132113580&origin=resultslist
50.	Machine Learning-Based Failure Rate Identification for Predictive Maintenance in Industry 4.0	Lyubchyk, L., Akhiiezer, O., Grinberg, G., Yamkovyi, K.	2022	Proceedings of the 2022 IEEE 12th International Conference on Dependable Systems, Services and Technologies, DESSERT 2022	https://www.scopus.com/record/display.url?eid=2-s2.0-85147843494&origin=resultslist
51.	Strain Sensing Technology to Enable Next-Generation Industry and Smart Machines for the Factories of the Future: A Review	Hamed, Y., O'Donnell, G., Lishchenko, N., Munina, I.	2023	IEEE Sensors Journal	https://www.scopus.com/record/display.url?eid=2-s2.0-85171734011&origin=resultslist
52.	Corporate social responsibility, competitiveness and sustainability in emerging economies: The case of Ukraine	Brin, P., Lombardi, R., Nehme, M.N., Tiscini, R.	2022	International Journal of Management and Decision Making	https://www.scopus.com/record/display.url?eid=2-s2.0-85140964450&origin=resultslist
53.	Abram Slutskin and Radiophysics in Ukraine of the First Half of the 20th Century: World Dimension	Tverytnykova, E., Gutnyk, M.	2022	Studia Historiae Scientiarum	https://www.scopus.com/record/display.url?eid=2-s2.0-85136379436&origin=resultslist

54.	Numerical Simulation of Grain Concentration Effect on Output Indicators of Diamond Grinding	Kundrak, J., Fedorovich, V., Pyzhov, I., Ostroverkh, Y., Pupan, L.	2023	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85138793492&origin=resultslist
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57.	THE USE OF BROWN COAL IN UKRAINE TO OBTAIN WATER-SOLUBLE SORBENTS	Sinitsyna, A.O., Karnozhitskiy, P.V., Miroshnichenko, D.V., Bilets, D.Yu.	2022	Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu	https://www.scopus.com/record/display.url?eid=2-s2.0-85137279530&origin=resultslist
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59.	Modeling and Surface Modification of AISI 321 Stainless Steel by Nanosecond Laser Radiation	Dobrotvorskiy, S., Aleksenko, B.A., Kościński, M., Basova, Y., Prykhodko, V.	2023	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85163385517&origin=resultslist

60.	An Impact of Solid Lubrication on the Diamond Grinding Characteristics of Difficult-to-Machine Materials	Sevidova, E., Rudnev, A., Gasanov, M., Kotliar, A., Titarenko, O.	2023	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85163396370&origin=resultslist
61.	Metrological analysis of additively manufactured copies of a fossil skull	Rucki, M., Garashchenko, Y., Kogan, I., Ryba, T.	2022	Bulletin of the Polish Academy of Sciences: Technical Sciences	https://www.scopus.com/record/display.url?eid=2-s2.0-85163722252&origin=resultslist
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63.	Control of the Physical and Mechanical Properties of Mixtures Based on Liquid Glass with Various Fillers	Berlizieva, T., Ponomarenko, O., Grimzin, I., Yevtushenko, N., Khoroshylov, O.	2022	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85131920346&origin=resultslist
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66.	Finite Element Simulation of Diamond Grinding	Kundrak, J., Fedorovich, V., Fedorenko, D., Ostroverkh, Y., Pupan, L.	2022	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85131915079&origin=resultslist

67.	Statistical Analysis of Deviations from the Correct Shape of Surface Depending on Product Orientation in Workspace of Additive Machine	Garashchenko, Y., Fedorovich, V., Ostroverkh, Y., Dašić, P., Anđelković, M., Onalla, H.	2023	Machines	https://www.scopus.com/record/display.url?eid=2-s2.0-85151354009&origin=resultslist
68.	OPTIMIZATION OF THE PARAMETERS OF BIOCATALYTIC HYDROLYSIS OF VEGETABLE OIL USING THE METHODS OF NEURAL NETWORKS AND GENETIC ALGORITHMS	Nekrasov, P.O., Berezka, T.O., Nekrasov, O.P., Gudz, O.M., Molchenko, S.M., Rudneva, S.I.	2023	Journal of Chemistry and Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85162171582&origin=resultslist
69.	Estimating parameters of plate heat exchanger for condensation of steam from mixture with air as a component of heat exchanger network	Arsenyeva, O., Klemeš, J.J., Tovazhnyansky, L., Klochok, E., Kapustenko, P.	2023	Energy	https://www.scopus.com/record/display.url?eid=2-s2.0-85165599936&origin=resultslist
70.	Technological Control of Production of Plastic Lubricants by Rheological Properties	Grigorov, A., Tulska, A., Bondarenko, O., Petukhova, O., Bryhada, O., Nahliuk, M.	2024	Petroleum and Coal	https://www.scopus.com/record/display.url?eid=2-s2.0-85187281591&origin=resultslist
71.	Design And Researching Smart Biologically Active Polymeric Hydrogel Transdermal Nanomaterial's	Lebedeva, K., Lebedev, V., Cherkashina, A., Klochko, N., Voronkin, A., Masikevych, A.	2023	2023 IEEE 4th KhPI Week on Advanced Technology, KhPI Week 2023 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85179525274&origin=resultslist

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78.	Increasing the Sustainability of Manufacturing Processes in the Conditions of SMEs Enterprises by Predicting, Their Information Intensity	Dobrotvorskiy, S., Balog, M., Ruzmetov, A., Basova, Y., Hrdzelidze, S., Dobrovolska, L.	2023	EAI/Springer Innovations in Communication and Computing	https://www.scopus.com/record/display.url?eid=2-s2.0-85171532992&origin=resultslist
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80.	A modified scheffe's simplex lattice design method in development of ceramic carriers for catalytic neutralizers of gas emissions	Ved, V., Ponomarenko, H., Ponomarenko, Y., Gorbunov, K.	2021	Chemistry Journal of Moldova	https://www.scopus.com/record/display.url?eid=2-s2.0-85110688582&origin=resultslist
81.	Experimental Evaluation of the Impact of the Diametral Clearance on Output Characteristics of a Planetary Hydraulic Motor	Kyurchev, V., Kiurchev, S., Rezvaya, K., Pastushenko, A., Głowacki, S.	2023	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85172725076&origin=resultslist
82.	Neural Network Controller of Flow through a Butterfly Valve	Ilyunin, O., Rudenko, O., Bezsonov, O., Boldryev, S., Zorenko, V., Serdiuk, N.	2022	2022 IEEE 3rd KhPI Week on Advanced Technology, KhPI Week 2022 - Conference Proceedings	https://www.scopus.com/record/display.url?eid=2-s2.0-85141512608&origin=resultslist

83.	RESTORATION AND TRANSFORMATION OF HIGH-TECH MACHINE BUILDING INDUSTRY BY IMPLEMENTING THE PRINCIPLES OF THE CALSCONCEPT IN THE CONTEXT OF INDUSTRY 4.0 DEVELOPMENT	Volontsevich, D., Skvorchevsky, A.	2022	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85133552097&origin=resultslist
84.	Modeling of Smart Bio-Medical Active Polymeric Hydrogel Transdermal Materials	Lebedeva, K.O., Cherkashina, A.M., Masikevych, Y.G., Masikevych, A.Y., Voronkin, A.A., Lebedev, V.V.	2024	Journal of Engineering Sciences (Ukraine)	https://www.scopus.com/record/display.url?eid=2-s2.0-85184902236&origin=resultslist
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124	The Effect of Deposition Conditions and Irradiation on the Structure, Substructure, Stress-Strain State, and Mechanical Properties of TiN Coatings	Pinchuk, N., Tkachuk, M., Zhadko, M., Kniazieva, H., Meilekhov, A.	2022	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85131927568&origin=resultslist
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131	Intra-Company Aspect of Developing a Methodology to Calculate Indicators of the Financial Condition of a Corporation and Features of its Application in Different Areas of Activities	Ievsieieva, O., Pidoprygora, I., Zaitseva, I., Ustilovska, A., Ievsieiev, A., Kovalova, D.	2023	Transport Means - Proceedings of the International Conference	https://www.scopus.com/record/display.url?eid=2-s2.0-85177074101&origin=resultslist
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137	Correction to: Study of the hardfacing process using self-shielding flux-cored wire with an exothermic addition with a combined oxidizer of the Al-(CuO/Fe ₂ O ₃) system (The International Journal of Advanced Manufacturing Technology, (2024), 134, 1-2, (309-335), 10.1007/s00170-024-14115-4)	Trembach, B., Silchenko, Y., Balenko, O., Hlavchev, D., Kulahin, K., Heiko, H., Bellorin-Herrera, O., Khabosha, S., Zakovorotnyi, O., Trembach, I.	2024	International Journal of Advanced Manufacturing Technology	https://www.scopus.com/record/display.url?eid=2-s2.0-85203014512&origin=resultslist

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