**Публикации (за последние 5 лет):**

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| № п/п | Наименование учебных изданий, научных трудов и патентов на изобретения и иные объекты интеллектуальной собственности | Форма учебных изданий и научных трудов | Выходные данные | Объем(стр.) | Соавторы |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Учебные издания |
| 1 |  |  |  |  |  |
| Научные труды |
| 1. **1**
 | Application of Grape Stems Extract to Increase the Antioxidant Capacity of Whiskey | печатная | International Journal of Food Science, 2024, 7199030, 10 pages, 2024. https://doi.org/10.1155/2024/7199030 | 0,3/0,1 | Rudenko, Marina, Mayorova, Angela, Dorofeeva, Anna |
| 1. **2**
 | Method for Detecting Pathology of Internal Organs Using Bioelectrography | печатная | Diagnostics 2024, 14, 991. https://doi.org/10.3390/diagnostics14100991 | 0,3/0,1 | Shichkina, Y.; Fatkieva, R.; Sychev, A |
|  | Prediction of antioxidant capacity in faba bean from individual phenolic constituents.  |  | Chem Pap. (2024). https://doi.org/10.1007/s11696-024-03389-3 | 0,3/0,1 | Gallini, N. Rudenko, M.; |
|  | A Study of the UV Spectral Features in Wine and Their Correlation with Phenolic Constituents. |  | Front. Biosci. (Elite Ed) 2024, 16(2), 16. https://doi.org/10.31083/j.fbe1602016 | 0,3/0,1 | Ruslan Timofeev, Anatoliy Kazak, Yurij Grishin, Ludmila Solovyova, Marina Rudenko |
|  | A Solar and Wind Energy Evaluation Methodology Using Artificial Intelligence Technologies |  | Energies 2024, 17, 416. https://doi.org/10.3390/en17020416 | 0,3/0,1 | Simankov, V.; Buchatskiy, P.; Teploukhov, S.; Onishchenko, S.; Kazak, A.; Chetyrbok, P.  |
|  | Review of Estimating and Predicting Models of the Wind Energy Amount.  | печатная | Energies 2023, 16, 5926. https://doi.org/10.3390/en16165926 | 0,3/0,1 | Simankov, V.; Buchatskiy, P.; Kazak, A.; Teploukhov, S.; Onishchenko, S.; Kuzmin, K.; Chetyrbok, P.. |
|  | Modelling of Climate Change’s Impact on Prunus armeniaca L.’s Flowering Time | печатная | Inventions 2023, 8(3), 65; https://doi.org/10.3390/inventions8030065 | 0,3/0,1 | Svetlana Korsakova; Vadim Korzin; Yuri Plugatar |
|  | Integral equations of the first kind for calculating electro- and magnetostatic fields perturbed by conductors and ferro-magnets | печатная | Inventions. 2023. Т. 8. № 2. С. 55. | 0,3/0,1 | Plugatar Yu., Filippov D., Chabanov V.A. |
|  | Intelligent monitoring system to assess plant development state based on computer vision in viticulture | печатная | Computation. 2023. Т. 11. № 9. С. 171.<http://www.mdpi.com/journal/computation>Q2https://www.webofscience.com/wos/woscc/full-record/WOS:001080324900001 | 0,3/0,1 | Rudenko, M.; Oleinikov, N.N. Dorofeeva, A |
|  | Prediction of Ethanol Content and Total Extract Using Densimetry and Refractometry | печатная | Beverages 2023, 9(2), 31; https://doi.org/10.3390/beverages9020031 | 0,3/0,1 | Yurij Plugatar; Joel B. Johnson; Ruslan Timofeev; Vadim Korzin |
|  | Evaluation metrics research for explainable artificial intelligence global methods using synthetic data | печатная | Applied System Innovation. 2023. Т. 6. № 1. С. 26.Q1https://www.mdpi.com/journal/asihttps://www.webofscience.com/wos/woscc/full-record/WOS:000938806500001 | 0,3/0,1 | Rudenko, M.,Dorofeeva, A |
|  | The use of computer vision to improve the affinity of rootstock-graft combinations and identify diseases of grape seedlings | печатная | Inventions. 2023. Т. 8. № 4. С. 92.https://www.webofscience.com/wos/woscc/full-record/WOS:001056887800001 | 0,3/0,1 | Rudenko, M.; Gallini, N.; Gorbunova, N. |
|  | The Use of Machine Learning for Comparative Analysis of Amperometric and Chemiluminescent Methods for Determining Antioxidant Activity and Determining the Phenolic Profile of Wines | печатная | Applied System Innovation, 2022, 5(5), 104 | 0,3/0,1 | Plugatar, Y.,Johnson, J., ...Kaur, P., Kokodey, T. |
|  | Macroeconomic aspects of the development of the transport industry under the influence of COVID-19 (научная статья Scopus) | печатная | IOP Conference Series: Materials Science and Engineering, 2020, 918(1), 012226https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57195321130&zone | 0,3/0,1 | Oleinikov, N.N., Chetyrbok, P.V., Shamaeva, N.P. |
|  | Transport industry in the context of the growth of sectors of the Russian economy (научная статья Scopus) | печатная | IOP Conference Series: Materials Science and EngineeringVolume 918, Issue 1, 6 October 2020, Номер статьи 01225 28th International Scientific Conference Transport of Siberia 2020https://www.scopus.com/record/display.uri?eid=2-s2.0-85094121530&origin=resultslist | 0,3/0,1 | Oleinikov, N.N.a, Gorobets, D.V.a, Shamaeva, N.P |
|  | Potential and development of the Russian transport industry (научная статья Scopus) | печатная | IOP Conference Series: Materials Science and Engineering, 2020, 918(1), 012235https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57195321130&zone | 0,3/0,1 | Oleinikov, N.N., Ryndach, M.A., Sergeeva, E.A. |
|  | Artificial intelligence in the tourism sphere(научная статья Scopus) | печатная |  2020 IOP Conference Series: Earth and Environmental Science 421(4),042020https://www.scopus.com/record/display.uri?eid=2-s2.0-85078660454&origin=resultslist&sort=plff&src=s&sid=7556493bf2b220b7cee170f516eaa117&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2857195321130%29&relpos=1&citeCnt=0&searchTerm=  | 0,3/0,1 | Chetyrbok, P.V., Oleinikov, N.N. |
|  | Application Of Simulink And Simevents Tools In Modeling Marketing Activities In Tourism(научная статья Scopus) | печатная | Lecture Notes in Electrical Engineering. 2020. Т. 641 LNEE. С. 779-786. https://www.scopus.com/record/display.uri?eid=2-s2.0-85081376449&origin=resultslist | 0,3/0,1 | Gorobets D.V., Samokhvalov D.V. |
|  | Theory of Electromagnetic Field and the Mechanics of E. Cartan(научная статья Scopus)  | печатная | Proceedings of the 2020 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering, EIConRus 2020, 2020, с. 1076-1078, 9039242https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57195321130&zone | 0,3/0,1 | Mayorova, A.N., Oleinikov, N.N., Mendygulov, Y.D. |
|  | Research of Maximum Power Point Tracking Control for Wind Generator(научная статья Scopus) | печатная | Proceedings of the 2020 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering, EIConRus 2020, 2020, с. 1301-1305, 9039180https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57195321130&zone | 0,3/0,1 | Samokhvalov, D.V., Jaber, A.I., Filippov, D.M., , Hasan, M.S. |
|  | A New Algorithm for Numerical Simulation of the Stationary Magnetic Field of Magnetic Systems Based on the Double Layer Concept(научная статья Scopus) | печатная | Proceedings of the 2020 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering, EIConRus 2020, 2020, с. 647-652, 9039215https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57195321130&zone | 0,3/0,1 | Filippov, D.M., Kozik, G.P., Shuyskyy, A.A., **,** Samokhvalov, D.V. |
|  | Numerical and experimental analysis of an axial flux electric machine(научная статья Scopus) | печатная | Proceedings 2020 International Conference on Industrial Engineering, Applications and Manufacturing, ICIEAM 2020, 2020, 9112004https://www.scopus.com/record/display.uri?eid=2-s2.0-85086770149&origin=resultslist&sort=plff&src=s&sid=7556493bf2b220b7cee170f516eaa117&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2857195321130%29&relpos=0&citeCnt=0&searchTerm=  | 0,3/0,1 | Filippov, D.M., Shuyskyy, A.A., |
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