

2023г. (первое полугодие)

1. Olimov Kh.K., Lebedev I.A., Fedosimova A.I., Liu Fu-Hu, Dmitriyeva E, Musaev K.A., Olimov K., Yuldashev B.S. Correlations among parameters of the Tsallis distribution and Hagedorn function with embedded transverse flow in proton–proton collisions at $(s)^{1/2} = 7$ and 13 TeV // European physical journal plus – 2023. – №138:414. Doi.org/10.1140/epjp/s13360-023-04037-7. (Scopus: 71%, WoS: Q1)
2. Chuchvaga N., Zholdybayev K., Aimaganbetov K., Zhantuarov S., Serikkanov A. Development of Hetero-Junction Silicon Solar Cells with Intrinsic Thin Layer: A Review // Coatings. – 2023. – Vol.13. – Iss.4. – No.796. DOI10.3390/coatings13040796 (Scopus:64% WoS: Q2)
3. Murzalinov D., Kemelbekova A., Seredavina T., Spivak Y., Serikkanov A., Shongalova A., Zhantuarov S., Moshnikov V., Mukhamedshina D. Self-Organization Effects of Thin ZnO Layers on the Surface of Porous Silicon by Formation of Energetically Stable Nanostructures // Materials. – 2023. – Vol.16. – Iss.2. – No.838. DOI:10.3390/ma16020838 (Scopus:70% WoS: Q2)
4. Sailau Zh., Serikkanov A., Kemelbekova A., Shongalova A., Zhantuarov S., Almas N., Aldongarov A., Toshtay K. Insight into the glycerol extraction from biodiesel using deep eutectic solvents // Journal of Molecular Modeling. – 2023. – Vol.29. – Iss.2. – No.54. DOI: 10.1007/s00894-023-05453-3 (Scopus:64% WoS: Q3)
5. Jetybayeva, A., Umirzakov, A., Uzakbaiuly, B., Bakenov, Z., & Mukanova, A. (2023). Towards Li–S microbatteries: A perspective review. Journal of Power Sources, 573, [233158]. <https://doi.org/10.1016/j.jpowsour.2023.233158> CS=15.9, IF 9.2 (Scopus:96%, WoS: Q1)
6. Z. Kusanov, A. Umirzakov, A. Serik, A. Baimenov, M. Yeleuov, C. Daulbayev, Multifunctional strontium titanate perovskite-based composite photocatalysts for energy conversion and other applications // International Journal of Hydrogen Energy, 2023, <https://doi.org/10.1016/j.ijhydene.2023.06.168>. (Q1, CS=12.1, IF 7.2) (Scopus:95%, WoS: Q1)
7. Kurbanova B., Aimaganbetov K., Ospanov K., Abdrakhmanov K., Zhakiyev N., Rakhadilov B., Sagdoldina Z., Almas N. Effects of Electron Beam Irradiation on Mechanical and Tribological Properties of PEEK // Polymers. – 2023. – Vol.15. – Iss.6. – ID.1340. DOI: 10.3390/polym15061340 (Scopus:76%, WoS: Q1)
8. Feng L.Z., Ma Z.Y., Feng S.Y., Liu Z.T., Xu H.N., Zhou O.X., Deng L.J., Yang L., Shaikenova A., Jiang X., Liu B.D, Zhang X.L. High-responsivity ultraviolet-visible photodetector based on an individual (GaN)(1-x)(ZnO)(x) solid solution nanobelt // Optical Materials. – 2023. – Vol.139. – ID.113796. DOI: 10.1016/j.optmat.2023.113796 (Scopus:74% WoS: Q2)
9. Chokin K., Yedilbayev B., Chokin T., Medvedev A. Air Classification of Crushed Materials // Evergreen. – 2023. – Vol.10. – Iss.2. – P. 696–705 DOI:(Scopus:60%)
10. Zhantuarov S., Kemelbekova A., Shongalova A., Aimaganbetov K., Sailau Zh., Aldongarov A., Serikkanov A., Chuchvaga N., Almas, N. Insight into Perovskite Solar Cell Formation for Various Organohalides Perovskite Precursors in the Presence of Water at the Molecular Level // Journal of Nanomaterials. – 2023. – Vol.2023. – ID.6279023 DOI: 10.1155/2023/6279023 :(Scopus:60%)

2022г

1. Aimaganbetov K., Almas N., Kurbanova B., Muratov D., Serikkanov A., Insepov Z., Tokmoldin N. Electrical and Structural Characterization of Few-Layer Graphene Sheets on Quartz // Materials. – 2022. – Vol.15. – Iss.15. – No.5330. DOI: 10.3390/ma15155330 (Scopus:70% WoS: Q2)

2. Serikkanov A., Pavlov A., Mukashev B., Turmagambetov T., Kantarbayeva D., Zholdybayev K. The Possibility of Silicon Purification by Metallurgical Methods: Part I // Processes. – 2022. – Vol.10. – Iss.7. – No. 1353. DOI: 10.3390/pr10071353 (Scopus:66% WoS: Q2)
3. Serikkanov A., Shongalova A., Zholdybayev K., Tokmoldin N., Turmagambetov T., Pavlov A., Mukashev B. Integration of Kazakhstan Technologies for Silicon and Monosilane Production with the Suitable World Practices for the Production of Solar Cells and Panels // Processes. – 2022. – Vol.10. – Iss.7. – No. 1303. DOI: 10.3390/pr10071303 (Scopus:66% WoS: Q2)
4. Baitimbetova B.A., K.S. Tolubayev, Yu.A. Ryabikin, D.O. Murzalinov, B.A. Zhautikov, G.S. Dairbekova The study of carbon nanomaterials by IR-Fourier spectroscopy, obtained by the action of an ultrasonic field on graphite // Bulletin of The University of Karaganda-Physics. – 2022. – Vol.2. – Iss.106. – P.127-132. DOI 10.31489/2022PH2/127-132 (WoS)
5. Lebedev I.A., Dmitriyeva E.A., Bondar E.A., Ibraimova S.A., Fedosimova A.I., Temiraliev A.T. Signal-to-Noise Ratio Enhancement by Accumulation of Signal and Noise along the Spectrum // Fluctuation and Noise Letters. – 2022. – Vol. 21. – No.02. – ID.2250016. DOI: 10.1142/S021947752250016X. (Scopus – 85%, WoS: Q3)
6. Murzalinov D.O., Dmitriyeva E.A., Lebedev I.A., Bondar E.A., Fedosimova A.I., Kemelbekova A.E. The effect of pH solution in the sol–gel process on the structure and properties of thin SnO₂ films // Processes. – 2022. – Vol.10. – Iss.6. – ID. 1116. DOI: 10.3390/pr10061116. (Scopus – 66%, WoS: Q2)
7. Murzalinov D.O., Shaikenova A.A., Umirzakov A.G., Fedosimova A.I., Baitimbetova B.A., Dmitriyeva Y.A., Rakymetov B.A. Increasing the photoluminescence intensity of silicon nitride by forming K and N radioactive centres // Journal of Physics: Conference Series. – 2022. – Vol.2155. – Iss.1. – ID.012008. DOI:10.1088/1742-6596/2155/1/012008. (Scopus – 22%,)
8. Daulbayev, C., Sultanov, F., Korobeinyk, A.V., Yeleuov, M., Taurbekov, A., Bakbolat, B., Umirzakov, A., Baimenov, A., Daulbayev, O. «Effect of graphene oxide/hydroxyapatite nanocomposite on osteogenic differentiation and antimicrobial activity» // Surfaces and Interfaces, (2022), 28, DOI: 10.1016/j.surfin.2021.101683 (Wos: Q1, CS=7, IF 6.2) Scopus:79%
9. Olimov Kh.K., Liu F.H., Musaev K.A., Olimov K., Shodmonov M.Z., Fedosimova A.I., Lebedev I.A., Kanokova S.Z., Tukhtaev B.J., Yuldashev B.S. Study of midrapidity p(t) distributions of identified charged particles in Xe plus Xe collisions at $(s_{NN})^{1/2}=5.44\text{TeV}$ using non-extensive Tsallis statistics with transverse flow // Modern Physics Letters A. – 2022. – Vol.37. – Iss.15. – ID.2250095. – DOI: 10.1142/S021773232250095X (Scopus; 51%, WoS: Q3)
10. Olimov Kh.K., Liu F.H., Fedosimova A.I., Lebedev I.A., Deppman A., Musaev K.A., Shodmonov M.Z., Tukhtaev B.J. Analysis of Midrapidity p(T) Distributions of Identified Charged Particles in Pb // Universe. – 2022. – Vol.8. – Iss.8. – ID.401. DOI: 10.3390/universe8080401 (Scopus: 61%, WoS: Q2)
11. Olimov Kh.K., Lebedev I.A., Fedosimova A.I., Liu F.H., Kanokova S.Z., Shodmonov M.Z., Tukhtaev B.J. Simultaneous Analysis of Midrapidity p(T) Spectra of Identified Particle Species in Pb // Universe. – 2022. – Vol.8. – Iss.12. – ID.655. DOI: 10.3390/universe8120655 (Scopus: 61%, WoS: Q2)
12. Chokin K., Yedilbayev A., Yugai V., Medvedev A. Beneficiation of Magnetically Separated Iron-Containing Ore Waste // Processes. – 2022. – Vol.10. – Iss.11. – ID. 2212. DOI: 10.3390/pr10112212. (Scopus – 66%, WoS: Q2)
13. Kanabekova P., Martin A., Kemelbekova A., Kulsharova G. Applications of Nanofiber Membranes in Microphysiological Systems // Bulletin of the University of Karaganda-Chemistry – 2022. – Iss.11. – P. 56-66. – DOI: 10.31489/2022Ch3/3-22-12. (Scopus: 7%, WoS)
14. Murzalinov D.O., Rakymetov B.A., Baitimbetova B.A., Shaikenova A., Muratov D.A. Determination of the properties of paramagnetic centers of silicon nitride, under various conditions of heat treatment // Recent Contributions to Physics. – 2022. – Vol.80. – Iss.1. – P. 30-39. DOI: 10.26577/RCPH.2022.v80.i1.04 (WoS)
15. Muratov, D.A., Shaikenova, A.A., Nemkayeva, R.R., Rakymetov B.A., Umirzakov, A.G., Mereke, A.L. Forming Hexagonal and Triangular Ultrathin WS₂ Shapes by Controlling the Flow of Vapor // Defect and Diffusion Forum. – 2022. – Vol.421. – P.149–160. DOI:10.4028/p-guvd0b (Scopus:21%)

2021r.

1. Beissenov R.E., Mereke A.L., Umirzakov A.G., Mansurov Z.A., Rakhmetov B.A., Beisenova Y.Y., Shaikenova A.A., Muratov D.A. Fabrication of 3D porous CoTiO₃ photocatalysts for hydrogen evolution application: Preparation and properties study // *Materials Science in Semiconductor Processing*. – 2021. – Vol.121 – No.105360. DOI:10.1016/j.mssp.2020.105360 (Scopus:85%, WoS: Q2)

2. Baytimbetova B. A. Study of Paramagnetic Properties of Graphene Structures Obtained from Pure Graphite in Organic Reagents Exposed to Ultrasound // *Russian Physics Journal*. – 2021. – Vol.64 – Iss.8. – P.1582-1582. DOI:10.1007/s11182-021-02494-0. (Scopus: 30%, WoS: Q4)

3. Umirzakov A.G., Mereke A.L., Shaikenova A.A., Rakhmetov B.A., Yeleuov M.A., Beisenov R. E., Ebrahim R., Mansurov B.A. Porous nickel based half-cell solid oxide fuel cell and thin-film yttria-stabilized zirconia electrolyte // *Eurasian Chemico-Technological Journal*. – 2021. – Vol.23 – Iss.1. – P.9–17. DOI: 10.18321/ectj1029 (Scopus: - 35% WoS)

4. Baytimbetova B. A., Ryabikin Yu. A., Mukashev B. N. Study of paramagnetic properties of graphene structures obtained from pure graphite in organic reagents exposed to ultrasound // *Russian Physics Journal*. – 2021. – Vol.64 – Iss.2. – P.209–215. DOI:10.1007/s11182-021-02318-1. (Scopus: 30%, WoS:Q4)

5. Aimaganbetov K.P., Aldiyarov A.U., Zhantuarov S.R., Almasov N.Zh., Terukov E.I., Tokmoldin N.S. A Low Temperature Cell for High Frequency Electrophysical Measurements of Semiconductor Devices // *Instruments and Experimental Techniques*. – 2021. – Vol.64. – Iss.6. P.886 – 890. DOI: 10.1134/S0020441221050146. (Scopus – 17%, WoS: Q4)

6. Lebedev I., Burtebayev N., Fedosimova A., Dmitrieva E., Bondar E., Ibraimova S. Collective formation of secondary particles in interactions of asymmetric nuclei // *Acta Physica Polonica B: Proceedings Supplement*. – 2021. – Vol.14(4). – P.673–679. Doi:10.5506/APHYSPOLBSUPP.14.673 (Scopus: 14%, WoS)

7. Aimaganbetov K.P., Shegebay S.K., Aldiyarov A.U., Zhantuarov S.R., Tokmoldin N.S. Research of electrophysical properties of solar elements by impedance spectroscopy method using a specially designed low temperature microcryogenic measuring cell // *Recent Contributions to Physics*. – 2021. – Vol.76. – Iss.1. – P. 68-74. DOI: 10.26577/RCPh.2021.v76.i1.08 (WoS)

8. Daulbayev, C., Sultanov, F., Korobeinyk, A.V., Yeleuov, M., Azat, S., Bakbolat, B., Umirzakov, A., Mansurov, Z. «Bio-waste-derived few-layered graphene/SrTiO₃/PAN as efficient photocatalytic system for water splitting»/(2021) *Applied Surface Science*, 549, DOI: 10.1016/j.apsusc.2021.149176 (WoS: Q1, CS=12.7, IF 6.7) Scopus:95%

9. Fedosimova A.I., Lebedev I.A., Dmitriyeva E.A., Ibraimova S.A., Bondar E.A., Krassovitskiy P.M. Features of the distribution of events by the multiple of secondary particles depending on the energy of collision and the assymetricity of colliding relativistic nuclei// *Recent Contributions to Physics*. – 2021. – Vol.78. – Iss.3. – P. 80-87. DOI:10.26577/RCPh.2021.v78.i3.09 (WoS)

10. Tynyshtykbayev K., Insepov Z. The photoacoustoelectric effect of the SAW amplification in the structure of Graphene-Piezocrystal LiNbO₃ // *Nano Express*. – 2021. – Vol.2. – Iss.2. –ID.020016. DOI: 10.1088/2632-959X/abfd8a. (Scopus:63%, WoS)

11. Insepov Z., Ramazanova Z., Zhakiyev N., Tynyshtykbayev K. Water droplet motion under the influence of Surface Acoustic Waves (SAW) // *Journal of Physics Communications* – 2021. – Vol.5. – Iss.3. – ID. 035009. DOI: 10.1088/2399-6528/abda13. (Scopus:46% WoS)

12. Tynyshtykbayev K., Spitas Ch., Kostas K., Insepov Z. Porous Silicon Skeleton as Catalysts for Hydrocarbon Decomposition at Low Temperature Synthesis of Graphene Nanocomposites // *Ecs Journal of Solid State Science and Technology*. – 2021. – Vol.10. – Iss.1. –ID.013009. DOI: 10.1149/2162-8777/abdd86. (Scopus:58%, WoS:Q3)

13. Urazov K., Dergacheva M., Tameev A., Gribkova O., Mit K Electrodeposited polyaniline/Cu₂ZnSnSe₄ heterojunction // *Journal of Solid State Electrochemistry* – 2021. – Vol.25. – Iss.1. – P. 237-245. DOI: 10.1007/s10008-020-04801-0 (Scopus:68% WoS: Q4)

14.

2020r

1. Dmitrieva E., Fedosimova A., Lebedev I., Temiraliev A., Abishev M., Kozhamkulov T., Mayorov A., Spitaleri C. Determination of the primary energy using an ultrathin calorimeter // *Journal of Physics G: Nuclear and Particle Physics*. – 2020. – Vol.47. – No.3. – ID. 035202. DOI: 10.1088/1361-6471/ab67e7. (Scopus – 86%, WoS:Q2)
2. Bakbolat B., Daulbayev C., Sultanov F., Beissenov R., Umirzakov A., Mereke A., Bekbaev A., Chuprakov I. Recent developments of TiO₂-based photocatalysis in the hydrogen evolution and photodegradation: A review // *Nanomaterials*. – 2020. – Vol.10. – Iss.9. – P.1-16. ID.1790. DOI: 10.3390/nano10091790. (Scopus – 80%, WoS: Q2)
3. Temiraliev A., Tompakova N., Fedosimova A., Dmitriyeva E., Lebedev I., Grushevskaya E., Mukashev B., Serikkanov A. Birth and fusion in a sol-gel process with low diffusion // *Eurasian Physical Technical Journal*. – 2020. – Vol.17. – No.1(33). – P.132-137. – doi:10.31489/2020No1/132-137 (Scopus: 25%)
4. Chokin K.Sh., Yedilbayev A.I., Yedilbayev B.A., Yugay V.D. Dry magnetic separation of magnetite ores // *Periodico Tche Quimica*. – 2020. – Vol.17. – Iss.34. – P.700-710. (Scopus – 72%, WoS)
5. Chokin K. Sh., Yedilbayev A.I., Yedilbayev B.A., Yugay V.D. Pneumatic separation in the processing of magnetite ores // *Obogashchenie Rud*. – 2020. – Vol.2020. – Iss.2. – P.33-40. DOI: 10.17580/or.2020.02.06. (Scopus – 51%)
6. Chuchvaga N.A., Kislyakova N.M., Tokmoldin N.S., Rakymetov B.A., Serikkanov A.S. Problems Arising from Using KOH–IPA Etchant to Texture Silicon Wafers // *Technical Physics*. – 2020. – Vol.65. – Iss.10. – P.1685 – 1689. DOI:10.1134/S1063784220100047. (Scopus – 29%, WoS: Q4)
7. Dmitriyeva E.A., Lebedev I.A., Grushevskaya E.A., Murzalinov D.O., Serikkanov A.S., Tompakova N.M., Fedosimova A.I., Temiraliev A.T. The effect of three-minute exposure of oxygen plasma on the properties of tin oxide films // *Bulletin of the University of Karaganda*. – 2020. – V.3(99). – P. 38-45. Doi:10.31489/2020Ph3/38-45 (WoS)
8. Cifuentes N., Ghosh S., Shongalova A., Correia M.R., Salomé P.M.P., Fernandes P.A., Ranjbar S., Garud S., Vermang B., Ribeiro G.M., González J.C. Electronic Conduction Mechanisms and Defects in Polycrystalline Antimony Selenide // *The Journal of Physical Chemistry C*. – 2020 – Vol.124. – Iss. 14. – P. 7677-7682. –DOI: 10.1021/acs.jpcc.0c00398 (IF=4.126, Scopus 86%, CiteScore 7.1, WoS Q1).
9. Dmitriyeva E.A., Grushevskaya E.A., Mukhamedshina D.M., Mit K.A., Lebedev, I. A. The influence of acidity of the film-forming solution on the structure and properties of thin SnO₂ films// *Recent Contributions to Physics*. – 2020. – Vol.72. – Iss.1. – P.81 – 88. DOI:10.26577/RCPH.2020.v72.i1.10 (WoS)
10. Tompakova N.M., Dmitriyeva E.A., Lebedev I.A., Serikkanov A.S., Grushevskaya E.A., Mit' K.A., Fedosimova A.I. Influence of hydrogen plasma on SnO₂ thin films // *Materials Today: Proceedings*. – 2020. – V.25. – P.83-87. <https://doi.org/10.1016/j.matpr.2019.12.053> (Scopus: 39%, WoS)
11. Fedosimova A.I., Baitimbetova B.A., Dmitrieva E.A., Kudryashov V., Lebedev I.A., Mukashev B.N., Ryabikin Yu.A., Temiraliev, A. T. Extraction of signal from noise in research of spectra of nanosized structures // *Recent Contributions to Physics*. – 2020. – Vol.72. – Iss.1. – P.67 – 72. DOI: 10.26577/RCPH.2020.v72.i1.08 (WoS)
12. Abdullin Kh.A., Zhumagulov S.K., Ismailova G.A., Kalkozova Zh.K., Kudryashov V.V., Serikkanov A.S. Synthesis of Heterogeneous ZnO/Co(3)O(4) Nanostructures by Chemical Deposition from Solutions // *Technical Physics*. – 2020. – Vol.65. – Iss.7. – P.1139 – 1143. DOI: 10.1134/S1063784220070026. (Scopus – 29%, WoS: Q4)
13. Chuchvaga N.A., Semenov A.V., Titov A.S., Tokmoldin N.S., Tokmoldin S.Zh., Terukov E.I. Investigation of passivation of surface states of single crystalline silicon in heterostructures with an integrated thin amorphous layer // *News of the National Academy of Sciences of The Republic of Kazakhstan-Series Physico-Mathematical*. – 2020. – Vol.5. – Iss.333. – P.95 – 101. DOI: 10.32014/2020.2518-1726.87 (WoS)

14. Zhantuarov S.R., Omarova Zh.B., Zhapar A.B., Shongalova A.K., Chuchvaga N.A., Zholdybaev K.S., Aimaganbetov K.P., Carnie M.J., Tokmoldin N.S. Fabrication and degradation performance analysis of perovskite solar cells // *Recent Contributions to Physics*. – 2020. – Vol.75. – Iss.4. – P.38 – 45. DOI: 10.26577/RCPH.2020.v75.i4.05 (WoS)

15. Zhakiyev N., Tynyshtykbayev K., Norem J., Insepov Z. Highly effective anti-corona coatings on aluminium wires by surface modification // *Journal of Physics D-Applied Physics*. – 2020. – Vol.53. – No.1. – ID. 015503. DOI: 10.1088/1361-6463/ab431d (Scopus:79%, WoS: Q2)

16. Zholdybaev K.S., Kundyzbai D.K., Aimaganbetov K.P., Shongalova A.K., Zhantuarov S.R., Ongar I.A., Tokmoldin N.S. Investigation and optimization of optical and electric properties of indium-tin oxide films obtained by magnetron sputtering method at different oxygen flows // *Recent Contributions to Physics*. – 2020. – Vol.73. – Iss.2. – P.42 – 49. DOI: 10.26577/RCPH.2020.v73.i2.05 (WoS)

17. Shongalova A., Aitzhanov M., Zhantuarov S., Urazov K., Fernandes P., Tokmoldin N., Correia M.R. Comparison of antimony selenide thin films obtained by electrochemical deposition and selenization of a metal precursor // *Materials Today-Proceedings*. – 2020. – V.25. – P.77-82. DOI: 10.1016/j.matpr.2019.11.291 (Scopus: 39%, WoS)

18. Daulbayev Ch., Mansurov, Z. Sultanov F., Shams M., Umirzakov A., Serovajsky, S. A Numerical Study of Fluid Flow in the Porous Structure of Biological Scaffolds // *Eurasian Chemico-Technological Journal*. – 2020. – Vol.22. – Iss.3 – P. 149-156. DOI: 10.18321/ectj974 (Scopus: 35%, WoS)

19. Zhang J., Liu Y.T., Zhang X.L., Ma Z.Y., Li J., Shaikenova A., Beisenov R., Liu B.D. High-Performance Ultraviolet-Visible Light-Sensitive 2D-MoS₂/1D-ZnO Heterostructure Photodetectors // *ChemistrySelect* – 2020. – Vol.5. – Iss.11 – P. 3438-3444. DOI: 10.1002/slct.202000746 (Scopus:53%, WoS:Q3)

20. Zhakiyev N., Tynyshtykbayev K., Insepov Z. Modeling and Comparison with Experiment of SAW Induced Water Droplet Motion // *Journal of Physics: Conference Series*. – 2020. – Vol. 1696. – Iss.1 – ID:012036. DOI: 10.1088/1742-6596/1696/1/012036 (Scopus:22%)

21. Tynyshtykbayev K., Insepov Z. Energy of low-temperature synthesis of graphen-like carbon nanocomposites on porous silicon (Review) // *Journal of Physics: Conference Series*. – 2020. – Vol. 1696. – Iss.1 – ID:012025. DOI: 10.1088/1742-6596/1696/1/012025 (Scopus:22%)

2019r

1. Grushevskaya E.A., Ibraimova S.A., Dmitriyeva E.A., Lebedev I.A., Mit' K.A., Mukhamedshina D.M., Fedosimova A.I., Serikkanov A.S., Temiraliev A.T. Sensitivity to ethanol vapour of thin films SnO₂ doped with fluorine // *Eurasian Chemico-Technological Journal*. – 2019. – Vol.21. – P.13–17. Doi:10.18321/ectj781 (Scopus: 35%, WoS)

2. Fernandes P.A., Shongalova A. et.al. Phase selective growth of Cu₁₂Sb₄S₁₃ and Cu₃SbS₄ thin films by chalcogenization of simultaneous sputtered metal precursors // *Journal of Alloys and Compounds*. – 2019. – Vol.797. – P.1359-1366. DOI:10.1016/j.jallcom.2019.05.149. (Scopus – 94%, WoS: Q1)

3. Mukhamedshina D.M., Fedosimova A.I., Dmitriyeva E.A., Lebedev I.A., Grushevskaya E.A., Ibraimova S.A., Mit' K.A., Serikkanov A.S. Influence of plasma treatment on physical properties of thin SnO₂ films obtained from SnCl₄ solutions with additions of NH₄F and NH₄OH // *Eurasian Chemico-Technological Journal*. – 2019. – Vol.21(1). – P.57–61. DOI: 10.18321/ectj791. (Scopus – 35%, WoS)

4. Dmitriyeva E.A., Mukhamedshina D.M., Mit' K.A., Lebedev I.A., Girina I.I., Fedosimova A.I., Grushevskaya E.A. Doping of fluorine of tin dioxide films synthesized by sol-gel method // *News of the National Academy of Sciences of the Republic of Kazakhstan-series of Geology and Technical Sciences*. – 2019. – Vol.433. – P.73–79. Doi: 10.32014/2019.2518-170X.9 (Scopus: 41%, WoS)

5. Abdullin Kh.A., Kemel'bekova A.E., Lisitsyn V.M., Mukhamedshina D.M., Nemkaeva R.R., Tulegenova A.T. Aerosol Synthesis of Highly Dispersed Y₃Al₅O₁₂:Ce³⁺ Phosphor with Intense Photoluminescence // *Physics of the Solid State*. – 2019. – Vol.61. – Iss.10. – P.1840-1845. DOI: 10.1134/S1063783419100020. (Scopus – 27%, WoS Q4)

6. Kalygulov D., Klinovitskaya I., Turmagambetov T., Pavlov A., Plotnikov S., Mukashev B., Serikkanov A., Agabekov Zh., Kantarbaeva, D. High-tech production of photo-energy in 6azakhstan based on the sarykol quartz deposit // News of the National Academy of Sciences of the Republic of Kazakhstan-series Physico-mathematical. – 2019. – Vol.3. – Iss.325. – P.120-129. DOI: 10.32014/2019.2518-1726.31 (WoS)

7. Kemelbekova A.E., Mukhamedshina D.M. Synthesis of finely dispersed forms of zinc oxide doped with rare-earth elements (review) // Kompleksnoe Ispolzovanie Mineralnogo Syra. – 2019. – Iss.4. – P.12-18. DOI: 10.31643/2019/6445.33 (WoS)

8. Tynyshtykbayev K., Roshchupkin D.V., Sedlovets D.M., Starkov V.V., Yelemessova Z., Yermogambetov Z., Insepov Z. Features of pulsed photon annealing of graphene oxide membranes for water desalination // Materials Research Express – 2019. – Vol.6. – No.12. – ID. 125633. DOI: 10.1088/2053-1591/ab7967 (Scopus:79%, WoS: Q3)

9. Tynyshtykbayev K., Ainabayev A., Kononenko O., Chichkov M., Ramazanova Z., Zulkharnai R., Roshchupkin D., Sorokupudova J., Starkov V., Insepov Z. Low temperature synthesis of graphene nanocomposites using surface passivation of porous silicon nanocrystallites with carbon atoms // Diamond and Related Materials – 2019. – Vol.92. – P.53-60. DOI: 10.1016/j.diamond.2018.12.012 (Scopus:76%, WoS: Q2)

10. Aimaganbetov K.P. Review of experimental and theoretical research works of smart windows // Kompleksnoe Ispolzovanie Mineralnogo Syra. – 2019. – Iss.3. – P.34-40. DOI: 10.31643/2019/6445.26 (WoS)

11. Izbasarov M., Pokrovsky N.S., Samoilo V.V., Temiraliev T., Tursunov R.A., Zhautykov B.O. Investigation of correlations of generated nuclear active particles in (p)over-tildep-events enriched by annihilation at momenta 22.4 GeV/c and 32 GeV/c // News of the National Academy of Sciences of the Republic of Kazakhstan-series Physico-mathematical. – 2019. – Vol.4. – Iss.326. – P. 143-150. DOI: 10.32014/2019.2518-1726.53 (WoS)

2018r.

1. Fedosimova A.I., Dmitrieva E.A., Lebedev I.A., Temiraliev A.T., Temiraliev T., Abishev M.E., Baitimbetova B.A., Ryabikin Yu.A. and Serikkanov A.S. Modeling the process of formation of fractal structures in thin films // Journal of Physics: Conf. Series 1141 (2018) 012004 <https://iopscience.iop.org/issue/1742-6596/1141/1> (Scopus – 22%,)

2. Dmitrieva E., Fedosimova A., Fisenko A., Grushevskaya E., Ibraimova S., Izbasarov M., Kozhamkulov T., Lebedev I., Ospanov N., Temiraliev A., Temiraliev T., Tursunov R. Initial state fluctuations and complete destruction of the projectile nucleus in interactions of asymmetric nuclei at high energies // KnE Energy & Physics. – 2018. – P.102–108. Doi: 10.18502/ken.v3i1.1730 (Scopus, WoS)

3. Abdullin Kh. A., Azatkaliev A.A., Gabdullin M.T., Kalkozova Zh.K., Mukashev B.N., Serikkanov A.S. Preparation of Nanosized Tungsten and Tungsten Oxide Powders // Physics of the Solid State. – 2018. – Vol.60. – Iss.12. – P.2634 – 2639. DOI:10.1134/S1063783419010025. (Scopus – 27%, WoS Q4)

4. Chuchvaga N.A., Zhilina D.V., Zhantuarov S.R., Tokmoldin S.Z., Terukov E.I., Tokmoldin N.S. Study and optimization of heterojunction silicon solar cells // Journal of Physics: Conference Series. – 2018. – Vol.993. – Iss.110. – ID. 012039. DOI: 10.1088/1742-6596/993/1/012039. (Scopus – 18%, WoS)

5. A. Shongalova, M.R. Correia, B. Vermang, J.M.V Cunha, P.M.P. Salomé, P.A. Fernandes. On the identification of Sb₂Se₃ using Raman scattering // MRS Communications. – 2018 – Vol.8. – Iss.3. – P.865-870. – DOI: 10.1557/mrc.2018.94 (IF=2.566, Scopus – 63%, CiteScore 4.0, WoS Q4).

11. A. Shongalova, M.R. Correia, J.P. Teixeira, J.P. Leitao, J.C. Gonzalez, S. Ranjbar, S. Garud, B. Vermang, J.M.V. Cunha, P.M.P. Salomé, P.A. Fernandes. Growth of Sb₂Se₃ thin films by selenization of RF sputtered binary precursors // Solar Energy Materials and Solar Cells. – 2018. –

Vol.187. – P.219-226. DOI: 10.1016/j.solmat.2018.08.003 (IF=7.267, Scopus – 94%, CiteScore 13.1, WoS: Q1).

12. Tynyshtykbaev K.B., Imanbaev G.Zh., Ainabaev A.M., Insepov Z.A. Reducing Power Losses in Corona Discharge under Rainfall Conditions // Technical Physics Letters – 2018. – Vol.44. – Iss.6. – P.545 – 547. DOI: 10.1134/S1063785018060287. (Scopus:36%, WoS:Q4)

13. Vlasukova L., Parkhomenko I., Komarov F., Akilbekov A., Murzalinov D., Mudryi A., Ryabikin Y., Romanov I., Giniyatova Sh., Dauletbekova, A. Luminescence of silicon nitride films implanted with nitrogen ions // Materials Research Express – 2018. – Vol.5. – Iss.9. – ID. 096414. DOI: 10.1088/2053-1591/aad7a6 (Scopus 79%, WoS Q3)

14. Murzalinov D., Akilbekov A., Dauletbekova A., Vlasukova L., Makhavikov M., Zdorovets M. Structural transformation of Si-rich SiNx film on Si via swift heavy ions irradiation // Materials Research Express – 2018. – Vol.5. – Iss.3. – ID. 035035. DOI: 10.1088/2053-1591/aab2f3 (Scopus:79% WoS Q3)