PERSONAL INFORMATION

Aleksandr Doroshkevich

Frank Laboratory of Neutron Physics of Joint Institute for Nuclear Research
+79771985015 +79165002157
doroh@jinr.ru
Replace with type of IM service Skype: dortal1977

Sex Male | Date of birth 26/06/1977 | Nationality Ukraine

POSITION WITHIN THE GRANT/PROJECT

Head of group

WORK EXPERIENCE

2024	Head of the Sector of Nuclear Physics Materials Science and Ion Beam Nanotechnology.
2019-2022	Head of group EG-5, Frank Laboratory of Neutron Physics of Joint Institute for Nuclear Research, Dubna, Russia.
2014 – 2019	Senior Researcher, group REFLEX, Frank Laboratory of Neutron Physics of Joint Institute for Nuclear Research, Dubna, Russia
2011 -2014	Researcher of the Material Study Department Donetsk physical and engineering institute NASU.
2004 – 2011	Junior research worker of the Material Study Department Donetsk physical and engineering institute NASU 1999 – 2004. Engineer of the Material Study Department Donetsk physical and engineering institute NASU.

Elaboration

2020	The project of modernization of the accelerator EG-5.
2011 – 2019	Development of the Spin-echo installation on the Reflex channel of the IBR-2 pulse reactor in JINR. Creating and testing a specialized high-power DC amplifier for powering spin rotator coils, electronic installation system was designed.
2004 - 2011	The installation for consolidation of glass powder compacts under pressure at temperatures up to 800^{o}C on the basis of the breaking machine is designed. Development of the laboratory induction furnace with a maximum operating temperature of 2700^{o}C. Designed and installed, and a unique technique of sintering thin plates and heat-resistant aviation nanoceramics made of silicon carbide was worked out. Organized a laboratory for the development of devices for nanoelectronics and humboldtii
1999 – 2004	Development of the device for processing materials with unipolar pulses of a weak (N = 10^{5}-10^{6}A/m) magnetic field. Studies effect of the pulsed magnetic field on the crystallization processes of oxide glasses

EDUCATION AND TRAINING

Education

Replace with dates (from - to)		Replace with EQF (or other) level if relevant
2014 – 2019	Continuing education in JINR, Dubna, Russia 2009: PhD degree at the Donetsk Institute of physics and technology A. A. Galkin of the NAS of Ukraine (the DFTI). PhD. thesis on a speciality 01.04.07 - solid state physics. "Formation of nanostructures of oxide materials based on ZrO_2-Y_2O_3 and Al_2O_3-B_2O_3-SiO_2 under thermal, baric and electromagnetic influences".	
2000 - 2003	Postgraduate studies in "Solid State Physics".	
1999	Diploma of specialty "Radiophysics and electronics" was fulfilled at Donetsk national university, Donetsk, Ukraine. M. Sc. Thesis: The device for investigations of thermal – consequential volume changes in $TiCdCl_3$	
1984 -1999	High-educational course at the Donetsk national university, Donetsk, Ukraine.	

PERSONAL SKILLS

Mother tongue(s): Russian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	A2	A2	A1

English

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills
- Good communication skill

Organisational / managerial skills
- Leadership (currently responsible for a team of 18 people)

Job-related skills
- Electron microscopy, impedance spectroscopy, electronics, vacuum technology

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Replace with name of ICT-certificate(s)

- Word, Excel, Corel Draw, Origin

Other skills: TV equipment engineer

State awards

- 2013 Winner of the National Academy of Sciences of Ukraine for young scientists for the cycle of work “Dimensional electrokinetic effects in nanopowder systems based on zirconium dioxide”.

Projects

- 2002 Grant NATO Science for Peace Program grant no. SfP-977980, 2002-2004r, (main performer).
- 2011 Grant of the National Academy of Sciences of Ukraine for young scientists Study of electrophysical phenomena in zirconia-based nanopowder systems densified by high hydrostatic pressure (project leader).
- STCU grant, No. P215 “Formation and connection of ceramic parts for use in fuel cells”, 2006 – 2009 (performer) .
- 2014 Grant MITSN CIS "Development of functional environments of submicroscopic high-temperature solid-state drives of ultrahigh-density electric energy capacitance based on Zirconia nanopowders for nanoelectronics and microsystem technology" (project author).
- 2015 Grant Marie Skłodowska-Curie Actions (HORIZON-2020 MSCA) Research and Innovation Staff Exchange (RISE) H2020-MSCA-RISE-2015, Project Number: 691010 "Advanced Humidity to Electricity Converter" (author of the idea).
- 2016 RFBR grant "ind_a" No. 17-52-45062 "Study of the molecular orientation and radiation damage to DNA adsorbed on zirconium dioxide."
- 2017 JINR-Romania Cooperation Program Project of 2017 Order No. 219/55 “A study by nuclear-physical methods of mass transfer processes with the localization of charge carriers in nanostructured dispersed ZrO2-based systems (author of the idea, main performer).”
- 2019 Grant Marie Skłodowska-Curie Actions (HORIZON-2020 MSCA) Research and Innovation Staff Exchange (RISE) H2020-MSCA-RISE-2019, Project Number 871284 Self-sufficient "humidity to electricity" innovative radiant adsorption system toward net zero energy buildings, acronym: SSHARE (author of the idea).
- .2020. Scientific Projects within the framework of the Cooperation Program Belarus - JINR - 2020; BSU (Team leader).
- 2020. Scientific Project within the framework of JINR - Republic of Poland Cooperation Program at 2020, order №75 from 03.02.2020, p.31, Institute of Physics“ of UMKS, Lüblin, 2020 (Team leader).
- 2020. Scientific Projects within the framework of the of JINR – Romania Cooperation Program at 2020, Order №269 / 20.05.2020, p.60, “UNIVERSITY "LUCIAN BLAGA" of SIBIU, 2020 (Team leader).
- 2020. Project within the framework of the JINR – Romania Cooperation Program at 2020, Order № 269 / 20.05.2020, p.63, National Centre for Nano and Micromaterials - University POLITEHNICA of Bucharest (CNMN-PUB)(Team leader).

- 2021. Scientific Projects within the framework of the Cooperation Program Belarus - JINR - 2021; BSU Order № 336 / 26.04.2021, p.23 „Tin oxide films alloyed with ferromagnetic metals: the effect of phase and stoichiometric composition on electrical and magnetic properties. "Magnetic metal oxides"". (Team leader).
- 2021. Scientific Projects within the framework of the Cooperation Program Socialist Republic of Vietnam - JINR - 2021; Order No. 647 of 17.08.2021, p. 6. “The study by ion-beam and optical spectroscopy of the degradation processes of PVC-silicon under the influence of solar radiation.”
- 2021. Scientific Project within the framework of JINR - Republic of Poland Cooperation Program at 2021, order №168 from 11.03.2021, p.26, Institute of Physics“ of UMKS, Lüblin, 2020 „Preparation and research of thermal barrier ceramic coatings for use in radiation technologies” (Team leader).

ANNEXES

- 2021. Scientific Projects within the framework of the of JINR – Romania Cooperation Program at 2021, Order №366 / 11.05.2021, p.82, Alexandru Ioan Cuza University of Iasi, Faculty of Physics (UAIC) Study of optically transparent and thermal barrier nanostructured oxide systems based on ZrO_2-MgO-Eu_2O_3 for applications in optic, electronic and radiation technologies using nuclear physics methods (Team leader). 2021. Scientific Projects within the framework of the of JINR – Romania Cooperation Program at 2021, Order №366 / 11.05.2021, p.81, National Institute for Materials Physics (NIMP) “Investigation of the properties of deposited on different plastic substrates organic thin films after high-energy ion and neutron irradiation”. (Team leader).
- 2021. Scientific Projects within the framework of the of JINR – Romania Cooperation Program at 2021, Order №366 / 11.05.2021, p.83, "LUCIAN BLAGA" University of Sibiu, (LBUS) “Investigation of the properties of deposited on different plastic substrates organic thin films after high-energy ion and neutron irradiation”. (Team leader).
- 2021. Scientific Projects within the framework of the of JINR – Romania Cooperation Program at 2021, Order №366 / 11.05.2021, p.61, " National Institute for Research and Development of Isotopic and Molecular Technologies Cluj-Napoca, Romania (INCDTIM Cluj-Napoca) Studying the dimension and structural-energy parameters of the adsorption-induced α-phase in YSZ nanopowder systems by using the nuclear-physical methods.”. (Team leader).
- Project, Belarus - JINR - 2021; Order № :529, p.22, (BSU «Institute of nuclear problems», Minsk, Republic of Belarus;BSU ;
- Project, Belarus - JINR - 2021; Order Order № :529, p.23, (BSU «Institute of nuclear problems», Minsk, Republic of Belarus;BSU
- . Project, JINR - Republic of Poland - 2021, Order №120 from 09.02.2022, p.26, Institute of Physics of UMKS, Lüblin;
- . Project, JINR - Republic of Poland - 2021, Order №120 from 09.02.2022, p.26, Institute of Physics of UMKS, Lüblin;
- KAZAKH SCIENTIFIC RESEARCH INSTITUTE OF RICE GROWING NAMED AFTER IBRAY ZHAKHAYE.
- Project, JINR – Serbia 2022 Order №178 from 03.03.2022, p.7, Laboratory of Physics, INN Vinča, Belgrade , Serbia.
- Project, JINR – Serbia 2022 Order №178 from 03.03.2022, p.8, University of Novi Sad, Serbia
-
- Project, Belarus - JINR - 2024; Order № :289, from 05.04.2024 pp.16, 17, 18, (BSU «Institute of nuclear problems», «Institute of nuclear problems», Minsk, Republic of Belarus; BSU ;
- Project, Belarus - JINR - 2024; Order № 130 from 13.02.2024, pp.16, 17, 18, (BSU «Institute of nuclear problems», «Institute of nuclear problems», Minsk, Republic of Belarus; BSU ;
- KAZAKH SCIENTIFIC RESEARCH INSTITUTE OF RICE GROWING NAMED AFTER IBRAY ZHAKHAYE.
- Project, JINR – Serbia 2024 Order №51 from 24.01.2024, pp.4,5 Laboratory of Physics, INN Vinča (Belgrade), University of Novi Sad (Novi Sad), Serbia.
- Project, JINR – Serbia 2024 Order №50 from 24.01.2024, pp.7,8 Laboratory of Physics, INN Vinča (Belgrade), University of Novi Sad (Novi Sad), Serbia.
-

Patents

1. Pat. 80296 Ukraine IPC C12N 1/20 G01N 33/00. The way to remove the preparation of basidiomycetes for dosing on the scanning electron microscope (SEM) / Doroshkevich N.V., Burkhovetsky, V.V., Doroshkevich, O.S., Konstantinova T.E.; applicant and patentmaker Donetsk National Un-t - No. u 2012 12612; declared 11/05/2012; publ. 05/27/2013, Bull. Number 10.

2. Pat. 86,285 publ. 12/25/2013. Method for the removal of extracts of Piletus edulis / Kovaleva A.V. Lashchenko O.Yu., Kanibolotska L.V. Doroshkevich A.S. Shendrik O.M. Konstattinova T.E., applicant and patentee, Donetsk national un-t that Donetsk Institute of Physics and Technology. Named of O.O. Galkin National Academy of Sciences of Ukraine - declared. No. 2013 07677, dated 06/17/2013.

3. Patent application of the Russian Federation "Nanoion capacitor based on nanopowders of dielectrics" Rospatent no. 2019135580 (070225) Authors Doroshkevich A. S., Shilo A.V., Zelenyak T. Yu., Konstantinova T. E., Lyubchik A.V., Tatarinovaa. A., Gridina E. A., Doroshkevich N.V. Patent Owner: JINR.

4. Int.Pat. PCT/UA2019/000147 publ. 11/26/2019 Chemoelectronic converter based on ZrO_2-3%molY_2O_3 nanopowders, / Lyubchik A.V., Doroshkevich A. S., Shilo and ell. Patent Owner Applicant limited liability company "NANOTECHCENTER., Ukraine.

Publications

2024

1. Mirzayeva, D.M., Aghayeva, S.A., Kaplina, S.P., Slavov, L., Gustova, M.V., Tiep, N.V., … & Mauyey, B. (2024). Mechanism of formation water molecules and chemical bonds in Leptothrix materials. Advanced Physical Research, 6(1), 5-14 https://doi.org/10.62476/apr61514 **(Q4, IF=0)**
2. Phan Luong Tuan, Mirsolaw Kulik, Marius Stef, Tran Van Phuc, Nguyen Thi Bao My, Tatyana Yuryevna Zelenyak, Gabriel Buse, Andrei Racu, Aleksandr Doroshkevich, Le Hong Khiem, Vu Duc Cong, Andriy Igorevych Lyubchyk, Sergiy Igorevich Lyubchyk, Svitlana Borisovna Lyubchyk, Nguyen Ngoc Anh. An examination on the porosity of ErF3 doped CaF2 crystal using the Rutherford back-scattering method. Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. Volume 547, February 2024, 165178, https://doi.org/10.1016/j.nimb.2023.165178. **(Q3, IF=1,4)**
3. Nguyen Thi Bao My , Trinh Thi Thu My, Inga Zinicovscaia, Le Hong Khiem,· Konstantin Vergel, Phan Luong Tuan, Ha Lan Anh,·Nguyen Thi Thu Ha. Modeling of the Arsenic Uptake by Brassica perviridis (L. H. Bailey) (Spinach Mustard) Growing on Diferent Soils Collected in Northern Vietnam // Water Air Soil Pollut (2024) 235:180 https://doi.org/10.1007/s11270-024-06989-7 **(Q2, IF=3,8)**
4. Carmen Mita, Mariana Frenti, Nicoleta Cornei, Georgiana Bulai, Marius Dobromir, Alexandr Doroshkevich, Zhanna V. Mezentseva, Diana Mardare High stability and photocatalytic activity of N-doped ZrO2 thin films // Journal of Alloys and Compounds Available online 13 June 2024, 175134. https://doi.org/10.1016/j.jallcom.2024.175134 **(Q1, IF=6,37)**
5. L. M. Ledo Pereda, V. N. Semenov, V. S. Rikhvitsky, A. N. Likhachev, R. Sh. Isaev, I. A. Chepurchenkoa, A. S. Doroshkevich, V. A. Alexandrov Ion Beam Scanning System for EG-5 Accelerator // Physics of Particles and Nuclei Letters, 2024, Vol. 21, No. 4, pp. 938–945, 2024. DOI: 10.1134/S1547477124701061 **(Q3, IF=0,3)**
6. B L Oksengendler, S Kh Suleymanov, Z I Karimov, N NTuraeva, **A S Doroshkevich** and **J Mezentseva**, 2024 J. Phys.: Conf. Ser. 2697 012061https://doi.org/10.1088/1742-6596/2697/1/012061**(Q4, IF – 0.48).**
7. Polyakov, A. Y., Vasilev, A. A., Kochkova, A. I., Shchemerov, I. V., Yakimov, E. B., Miakonkikh, A. V., Chernykh, A. V., Lagov, P. B., Pavlov, Y. S., **Doroshkevich, A. S., Isaev, R. S.,** Romanov, A. A., Alexanyan, L. A., Matros, N., Azarov, A., Kuznetsov, A., &Pearton, S. (2024). Proton damage effects in double polymorph γ/β-Ga_2O_3 diodes. Journal of Materials Chemistry C, 12(3), 1020–1029.https://doi.org/10.1039/D3TC04171A**(Q1, IF – 5.7).**
8. Dobromir, **Alexandr Doroshkevich,** and Abdullah Yildiz. 2024. "Electrical Conduction Mechanism of Mg-Doped ZrO_2 Thin Films" Materials 17, no. 15: 3652. https://doi.org/10.3390/ma17153652**(Q2, IF – 3.1).**
9. D. M. Mirzayeva, S. P. Kaplina, M. V. Gustova, I. Z. Kamanina, O. V. Anisimova, A. S. Abiyev, A. G. Asadov, A. S. Doroshkevich, A. Vladescu, S. H. Jabarov, Y. I. Aliyev, R. N. Mehdiyeva, M. N. Mirzayev, L. Slavov, E. Demir, and E. Popov, Modern Physics Letters B, Vol. 38, No. 02, 2350260 (2024)https://doi.org/10.1142/S0217984923502603**(Q3, IF – 1.8).**
10. A.V. Maletskii, G.K. Volkova, D.R. Belichko, V.A. Glazunova, A.S. Doroshkevich, A.A. Tatarinova, S.I. Lyubchyk, S.B. Lyubchyk Influence of stabilized zirconium dioxide and high hydrostatic pressure on the kinetics of sintering nanopowders of metastable aluminum oxide // Ceramics International 2024, https://doi.org/10.1016/j.ceramint.2024.09.002 **(Q1, IF=5,1)**

2023

11. Carmen Mita, Nicoleta Cornei, Georgiana Bulai, Marius Dobromir, Mihaela Girtan, Alexander Doroshkevich, Eniko Gyorgy, Diana Mardare. The enhancement of the photocatalytic properties of $SmFe_{0.7}Co_{0.3}O_3$ thin films by synergistic effect of Sr doping and H_2O_2 as co-catalyst // **Ceramics International**. doi.org/10.1016/j.ceramint.2023.01.009 **(Q1, IF=5,16).**
12. A.V. Maletskyi, T.E. Konstantinova, G.K. Volkova, D.R. Belichko, A.S. Doroshkevich, E. Popov, N. Cornei, B. Jasinska, Zh.V. Mezentseva, A.A. Tatarinova, M.N. Mirzayev, L.H. Khiem, I. Ristic, V. Teofilovic, R. Balvanovic. High hydrostatic pressure influence on the properties and tendency to agglomeration of ZrO_2 grains of the Al_2O_3 – YSZ composite ceramics system. // A.V. Maletskyi, **Ceramics International**, https://doi.org/10.1016/j.ceramint.2023.01.202 **(Q1, IF=5,16).**
13. Roman Laptev, Dmitriy Krotkevich, Anton Lomygin, Ekaterina Stepanova, Natalia Pushilina, Egor Kashkarov, Aleksandr Doroshkevich, Alexey Sidorin, Oleg Orlov and Vladimir Uglov Effect of Proton Irradiation on Zr/Nb Nanoscale Multilayer Structure and Properties // **Metals** 2023, 13, 903. https://doi.org/10.3390/met13050903 **(Q1, IF=2,69).**
14. Alexander S. Doroshkevich, Anna S. Zakharova, Boris L. Oksengendler, Andriy I. Lyubchyk, Sergiy I. Lyubchyk, Svitlana B. Lyubchyk, Alisa A. Tatarinova, Andriy K. Kirillov, Tatyana A. Vasilenko, Oksana O. Gorban, Viktor I. Bodnarchuk, Nadejda N. Nikiforova, Elena A. Zakharova, Maria Balasoiu, Diana M. Mardare, Carmen Mita, Anca Stanculescu, Matlab N. Mirzayev, Asif A. Nabiyev, Evgeni P. Popov, Le Hong Khiem, Alexander A. Donkov, Vesna Teofilovi´c, Bozena Jasinska, Dan Chicea, Tatyana Ye. Konstantinova. The Rectifying Contact of Hydrated Different Size YSZ Nanoparticles for Advanced Electronics. // **Nanomaterials** 2022, 12, 4493. https://doi.org/10.3390/nano12244493. **(Q1, IF=5,72).**

15. A. Vladescu(Dragomir), M.N. Mirzayev, A.S. Abiyev, A.G. Asadov, E. Demirj, K.M. Hasanov, R.S. Isayev, A.S. Do roshkevich, S.H. Jabarov, Sv. Lyubchyk, S. Lyubchykl, E.P. Popov Effect of Si and Nb additions on carbonitride coatings under proton irradiation: A comprehensive analysis of structural, mechanical, corrosion, and neutron activation properties **Nuclear Materials and Energy** // Volume 35, June 2023, 101457 https://doi.org/10.1016/j.nme.2023.101457
16. Mariana FRENȚI, Carmen MIȚA, Nicoleta CORNEI, Vasile TIRON, Georgiana BULAI, Marius DOBROMIR, Aleksandr DOROSHKEVICH, Diana MARDARE ZrO2 FOR PHOTOCATALYTIC APPLICATIONS // U.P.B. Sci. Bull., Series A, Vol. 85, Iss. 2, 2023 Pp. 165-176.
17. A Y Polyakov, V I Nikolaev, A I Pechnikov, P B Lagov, I V Shchemerov, A A Vasilev, A V Chernykh, A I Kochkova, L Guzilova, Yu S Pavlov, T V Kulevoy, A S Doroshkevich, R Sh Isaev, A V Panichkin and S J Pearton Carrier removal rates in 1.1 MeV proton irradiated α-Ga2O3 (Sn) To cite this article: A Y Polyakov et al 2023 **J. Phys. D: Appl. Phys.** 56 305103 **DOI** 10.1088/1361-6463/acd06b **(Q1, IF=** 3.409**).**
18. E. Popov, L. Slavov, E. Demir, B.A. Abdurakhimov, A.S. Doroshkevich, O.A. Aliyev, S.H. Jabarov, A.H. Valizade, B. Mauye, P. Horodek, K. Siemek, O. Samedov, M.N. Mirzayev Microstructural evolution of TiC nano powders under fast neutron irradiation: A multi-technique analysis // **Vacuum** Volume 215, September 2023, 112338 https://doi.org/10.1016/j.vacuum.2023.112338.
19. Dan Chicea, Alexandra Nicolae-Maranciuc, Liana Maria Chicea, Oleksandr Doroshkevich, Osman Murat Ozkendir Comparative Synthesis of Silver Nanoparticles: Evaluation of Chemical Reduction Procedures, AFM and DLS Size Analysis. **Materials** 16(15):5244, DOI: 10.3390/ma16155244 July 2023 **(Q1, IF = 3.748)**
20. Carmen Mita, Nicoleta Cornei, Mariana Frenti, Georgiana Bulai, Marius Dobromir, Vasile Tiron, Aleksandr S. Doroshkevich and Diana Mardare Photocatalytic Activity of N-Doped ZrO2 Thin Films Determined by Direct and Indirect Irradiation. // **Materials** 2023, 16 , 5901. https:doi.org/10.3390/ma16175901. **(Q1, IF = 3.748).**
21. Z. I. Karimov, B. L. Oksengendler, S. Kh. Suleymanov, A. S. Doroshkevich, A. F. Zatsepin, N. N. Nikiforova and N. A. Kulagina Varisonality and Surface Levels in Crystals with an Ionic Bond / Chapter 7 in book Research Highlights in Science and Technology Vol. 1. DOI: 10.9734/bpi/rhst/v1/5397E.
22. Phan Luong Tuan, Mirsolaw Kulik, Marius Stef, Tran Van Phuc, Nguyen Thi Bao My, Tatyana Yuryevna Zelenyak, Gabriel Buse, Andrei Racu, Aleksandr Doroshkevich, Le Hong Khiem, Vu Duc Cong, Andriy Igorevych Lyubchyk, Sergiy Igorevich Lyubchyk, Svitlana Borisovna Lyubchyk, Nguyen Ngoc Anh An examination on the porosity of ErF_3 doped CaF_2 crystal using the Rutherford back-scattering method // Nuclear Inst. and Methods in Physics Research, B 547 (2024) 165178 https://doi.org/10.1016/j.nimb.2023.165178 Received 21 August 2023 (Q2, IF =1,1);

2022

23. **Alexander S. Doroshkevich**, Andriy I. Lyubchyk, Boris L. Oksengendler, Tatyana Yu. Zelenyak, Nurbol O. Appazov, Andriy K. Kirillov, Tatyana A. Vasilenko, Alisa A. Tatarinova, Oksana O. Gorban, Viktor I. Bodnarchuk, Nadejda N. Nikiforova, Maria Balasoiu, Diana M. Mardare, Carmen Mita, Dorin Luca, Matlab N. Mirzayev, Asif A. Nabiyev, Evgeni P. Popov, Anca I. Stanculescu, Tatyana E. Konstantinova, Yulia V. Aleksiayenak The effect of electric energy accumulation by hydrated ZrO2 – nanoparticles // Nanomaterials 2022, 12, 1783. https://doi.org/10.3390/nano12111783 (Q1, IF=5,076).
24. **Danil Belichko**, T.E. Konstantinova; G.K. Volkova; M.N. Mirzayev; A.V. Maletsky; V.V. Burkhovetskiy; A.S. Doroskevich; C. Mita; D.M. Mardare; B. Janiska; A.A. Nabiyev; A.I. Lyubchyk; A.A. Tatarinova; E. Popov International Journal of Refractory Metals and Hard Materials. Structure formation, microstructure, mechanical properties, and surface investigation on the ceramics-based zircon hybrid alloys. Materials Chemistry and Physics. Materials Chemistry and Physics Volume 287, 1 August 2022, 126237 https://doi.org/10.1016/j.matchemphys.2022.126237 (IF = 4.094).
25. **Danilenko Igor**, Gorban Oksana, Shylo Artem, Volkova Galina, Yaremov Pavlo, Konstantinova Tetyana, **Doroshkevych Oleksandr**, Lyubchyk Andriy. Humidity to electricity converter based on oxide nanoparticles. JOURNAL OF MATERIALS SCIENCE. https://doi.org/10.1007/s10853-021-06657-9. **(Q1, IF=4,2)**
26. **Laptev, R.;** Stepanova, E.; Pushilina, N.; Svyatkin, L.; Krotkevich, D.; Lomygin, A.; Ognev, S.; Siemek, K.; **Doroshkevich, A.**; Uglov, V. Distribution of Hydrogen and Defects in the Zr/Nb Nanoscale Multilayer Coatings after Proton Irradiation. Materials 2022, 15, 3332. https://doi.org/10.3390/ma15093332 **(Q2, IF=3,62).**
27. **Dan Chicea**, Oleksandr Doroshkevich, Andriy I. Lyubchyk On the Possibility of Designing an Advanced Sensor with Particle Sizing Using Dynamic Light Scattering Time Series Spectral Entropy and Artificial Neural Network // Sensors 22(10):3871 May 2022 DOI: 10.3390/s22103871 **(Q1, IF=4,5).**
28. **Matlab N. Mirzayev***, Lyubomir Slavov, Alexandar Donkov, Dimitar Neov, Evgeni Popov, Ertugrul Demir, Ivaylo Genov, Bekhzodjon Abdurakhimov, Alina Vladescu, Saphina Biira, Tamer Karaman, Zarif Sharipov, Aleksandr Doroshkevich, Dunya Mirzayeva, Islam Mustafayev, Hokman Mahmudov, Maria Belova, Fadahat Mamedov, To Thang, Marius Stef, Carmen Mita Effects of neutron irradiation at different fluencies on nanosized anatase titanium dioxide // Radiation Physics and Chemistry 194 (2022) 109988. doi.org/10.1016/j.radphyschem.2022.109988 (Q2, IF=2.8)
29. **P.L. Tuan**, M. Kulik, T.V. Phuc, A.I. Madadzada, T.Yu. Zelenyak, M. Turek, J. Zuk, C. Mita, A. Stanculescu, A.S. Doroshkevich, B. Jasinska, L.H. Khiem, N.N. Anh, N.T. Bao My, Pseudo-dielectric function spectra of the near surface layer of GaAs implanted with various fluence of Xe+ ions // Thin Solid Films Volume 756, 31 August 2022, 139376 https://doi.org/10.1016/j.tsf.2022.139376. (Q2, IF=2.2)

30. **Mirzayev, M.N.;** Donkov, A.A.; Popov, E.A.; Demir, E.; Jabarov, S.H.; Chkhartishvili, L.S.; Adeojo, S.A.; Doroshkevich, A.S.; Sidorin, A.A.; Asadov, A.G.; et al. Modeling and X-ray Analysis of Defect Nanoclusters Formation in B4C under Ion Irradiation. Nanomaterials 2022, 12, 2644. https://doi.org/ 10.3390/nano12152644. **(Q1, IF=5.1)**.
31. **Tatyana Vasilenko**, Andrey Kirillov, Akhmed Islamov, Alexander Doroshkevich, Katarzyna Ludzik, Dorota M. Chudoba, Carmen Mita. Permeability of a coal seam with respect to fractal features of pore space of fossil coals // Fuel https://doi.org/10.1016/j.fuel.2022.125113 **(Q1, IF = 8)**.
32. **Oksana Gorban,** Igor Danilenko, Igor Nosolev,·Emir Abdullayev, Akhmed Islamov, Konstantin Gavrilenko, Aleksandr Doroshkevich,·Oleksiy Shvets, Sergey Kolotilov Impact of chemical and physical modifcation of zirconia on structure, surface state, and catalytic activity in oxidation of α-tetralol // J Nanopart Res (2022) 24:197 https://doi.org/10.1007/s11051-022-05566-5. **(Q2, IF = 2,2)**
33. **Yuriy Yu. Bacherikov**, Petro M. Lytvyn, Sergii V. Mamykin, Olga B. Okhrimenko, Valentyna V. Ponomarenko, Serhiy V. Malyuta, Aleksandr S. Doroshkevich, Igor A. Danilenko, Oksana A. Gorban, Andrii Gilchuk, Yana Baiova, and Andriy Lyubchyk Current transfer processes in a hydrated layer localized in a two-layer porous structure of nanosized ZrO_2 //J Mater Sci: Mater Electron (2022) 33:2753–2764 https://doi.org/10.1007/s10854-021-07481-2 **(Q1, IF = 4,2)**.
34. B.R. Kutlimurotov, **A.S. Doroshkevich**, A.I. Lyubchyk, B.L. Oksengendler, N.N. Nikiforova, M. Adilov, R.Kh. Ashurov, S.X. Suleymanov, A.S. Zakharova, E.A. Gridina, C. Mita The variance of the electronic structure in the near-surface regions of chemically homogeneous nanoparticles of oxide materials and its role in the conversion of chemisorption energy of water on the powder of zirconium dioxide // Uzbek Journal of PhysicsVol. 24, No. 4, pp. 254-262, 2022. doi: https//doi.org/10.52304/.v24i4.378.
35. T. Vasilenko, A. Kirillov, A. Islamov, A. Doroshkevich. (2021). Study of hierarchical structure of fossil coals by small-angle scattering of thermal neutrons // Fuel 292. 120304. 10.1016/j.ceramint.2020.09.151 **(Q1, IF= 5.578)**.
36. Asif A. Nabiyev, Andrzej Olejniczak, Akhmed Kh. Islamov, Andrzej Pawlukojc, Oleksandr I. Ivankov, Maria Balasoiu, Alexander Zhigunov, Musa A. Nuriyev, Fovzi M. Guliyev, Dmytro V. Soloviov, Aidos K. Azhibekov, Alexander S. Doroshkevich, Olga Yu. Ivanshina, Alexander I. Kuklin. (2021). Composite Films of HDPE with SiO_2 and ZrO_2 Nanoparticles // Nanomaterials. 11(10), 2673; 10.3390/nano11102673 **(Q1, IF=5,07)**.
37. Danilenko Igor, Gorban Oksana, Shylo Artem, Volkova Galina, Yaremov Pavlo, Konstantinova Tetyana, Doroshkevych Oleksandr, Lyubchyk Andriy. (2021). Humidity to electricity converter based on oxide nanoparticles. JOURNAL OF MATERIALS SCIENCE. 10.1007/s10853-021-06657-9 **(Q1, 4.22)**
38. E. B. Asgerov, A. I. Beskrovnyy, N. V. Doroshkevich, C. Mita, D. M. Mardare, D. Chicea, D. Lazar, A. A. Tatarinova, V. A. Alexandrov, S. I. Lyubchyk, S. B. Lyubchyk, A. I. Lyubchyk, A. S. Doroshkevich. (2022). Martensitic phase transition in yttrium-stabilized ZrO_2 nanopowders by adsorption of water // Nanomaterials 12. 435. 10.3390/nano12030435 **(Q1, 4.03)**.
39. Maletsky A.V., Belichko D.R., Konstantinova T.E., Volkova G.K., Doroshkevich A.S., Lakusta M.V., Lyubchyk A.I., Burkhovetskiy V.V., Aleksandrov V.A., Mardare D., Mita C., Chicea D, L.H.Khiem. (2021). STRUCTURE FORMATION AND PROPERTIES OF CERAMICS BASED ON θ-ALUMINIUM OXIDE DOPED WITH STABILIZED ZIRCONIUM DIOXIDE" // Ceramics International 10.1016/j.ceramint.2021.03.286 **(Q1, IF=3,83)**.
40. Stanculescu Anca, Socol Marcela, Rasoga Oana, Breazu Carmen, Preda Nicoleta, Florin Stanculescu, Gabriel Socol, Loredana Vacareanu, Mihaela Girtan, Alexander S. Doroshkevich. (2021). Arylenevinylene oligomers based heterostructures on flexible AZO electrode for electronic applications // Materials 14. 7688. 10.3390/ma14247688. **(Q1, 3.62)**.
41. Alisa A. Tatarinova, A.S. Doroshkevich, O.Yu Ivanshina, O.S. Pestov, M. Balasoiu and P.P. Gladyshev. (2021). Development of siloxane coating with oxide fillers for kesteritic (CZTS) photovoltaic systems. // Energies 14. Issue 8. 2142- 10.3390/en14082142 **(Q2, IF=2,7)**.
42. Artem Shylo, Igor Danilenko, Oksana Gorban, Oleksandr Doroshkevich, Igor Nosolev, Tetyana Konstantinova, Andriy Lyubchyk. (2022). Hydrated zirconia nanoparticles as media for electrical charge accumulation // J Nanopart Res 24:18 10.1007/s11051-022-05407-5. **(Q2, IF=2.53)**.
43. Petre Gabriela, Stanculescu Anca, Girtan Mihaela, Socol Marcela, Breazu Carmen, Vacareanu Loredana, Preda Nicoleta, Rasoga Oana, Stanculescu Florin, Doroshkevich Aleksandr. (2021). Organic heterostructures with indium-free transparent conductor electrode for opto-electronic applications // PSS a 10.1002/pssa.202100521 **(Q2, IF=1,96)**.
44. D.R.Belichko, T.E.Konstantinova, A.V.Maletsky, G.K.Volkovaa, A.S.Doroshkevich, M.V.Lakusta, M.Kulik, A.A.Tatarinova, D.Mardare, C.Mita, N.Corneie. (2020) Influence of hafnium oxide on the structure and properties of powders and ceramics of the YSZ–HfO_2 composition. // Ceramics International 10.1016/j.ceramint.2020.09.151. **(Q1, IF=3,83).**
45. Artem Shylo, Aleksandr Doroshkevich, Andriy Lyubchyk, Yuri Bacherikov,·Maria Balasoiu, Tetyana Konstantinova. (2021). Electrophysical properties of hydrated porous dispersed system based on Zirconia nanopowders // Applied Nanoscience. 10.1007/s13204-020-01471-2. **(IF=3.2).**
46. Doroshkevich A., Burkhovetskiy V.V., Nabiyev Asif , Vasilenko, T., Islamov Akhmed, Craus M.L. and els. (2019). Self-organization processes in nanopowder dispersed system based on zirconia under pressure action. Results in Physics. 102809. 10.1016/j.rinp.2019.102809. **(IF=3.5).**
47. Doroshkevich Aleksandr, Nabiev A.A., Khusenov Mirzoaziz, Kholmurodov Kholmirzo, Majumder, S., Balasoiu, Maria, Madadzada, Afag, Bodnarchuk, V.I. and els. (2019). Frequency modulation of the Raman spectrum at the interface DNA - ZrO_2 nanoparticles. Egyptian Journal of Chemistry. 62. 13-15. 10.21608/ejchem.2019.12898.1806. **(IF=0,46).**

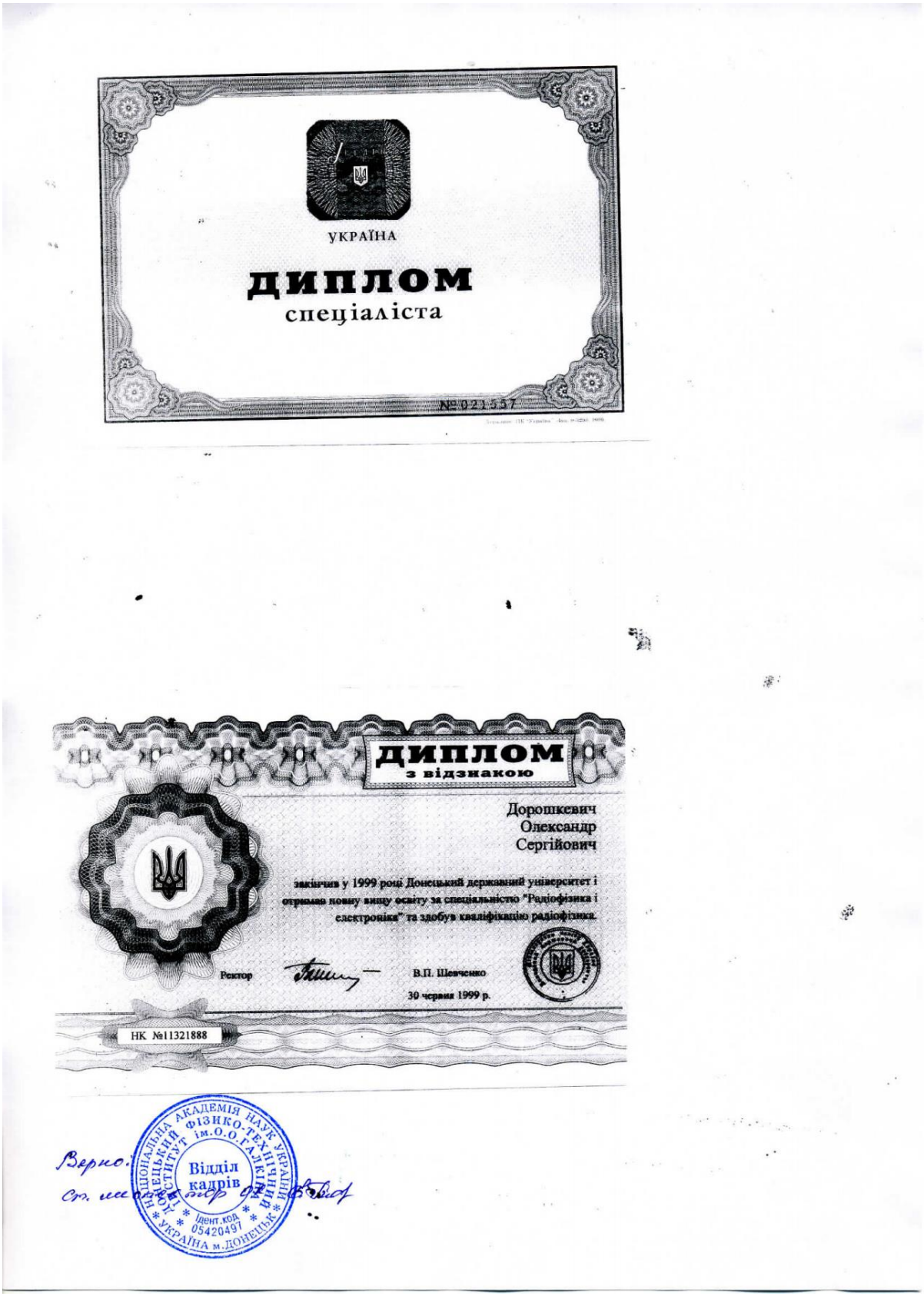
48. Doroshkevich Aleksandr, Asgerov Elmar, Shylo Artem, Lyubchyk Andriy, Logunov A., Glazunova V., Islamov Akhmed, Turchenko Vitalii, Almasan, V., Lazar D., Balasoiu, Maria, Madadzada Afag, Kholmurodov Kholmirzo, Bodnarchuk V., Oksengendler Boris and els. (2019). Direct conversion of the water adsorption energy to electricity on the surface of zirconia nanoparticles. Applied Nanoscience. 1-7. 10.1007/s13204-019-00979-6. **(IF=3.2).**
49. Lakusta Marharyta, Danilenko Igor, Volkova G., Loladze L., Burkhovetskiy V., Doroshkevich Oleksandr, Brykhanova I., Popov Inna, Konstantinova Tetyana. (2019). Sintering kinetics of ZrO_2 nanopowders modified by IV group elements. International Journal of Applied Ceramic Technology. 10.1111/ijac.13215. **(IF=1,76).**
50. Bacherikov Yuriy, Lytvyn Peter, Okhrimenko Olga, Zhuk Anton, Kurichka Roman Doroshkevich Aleksandr (2018). Surface potential of meso-dimensional ZnS: Mn particles obtained using SHS method. Journal of Nanoparticle Research. 20. 10.1007/s11051-018-4413-1. **(IF=2,17).**
51. Doroshkevich Aleksandr, Shylo Artem, Konstantinova Tetyana, Danilenko Igor, Lyubchyk Andriy. (2018). Influence of Hydrate Moisture on the Sealing of a Nanopowder Dispersed System Based on Zirconia. 1-5. 10.1145/3284557.3284726.
52. Doroshkevich Aleksandr, Savin A., Craus Mihail-Liviu , Turchenko Vitalii, Novy Frantisek, Mocanu Aura - Catalina, Soare M., Grum Janez. (2018). Complementary Methods for Evaluation of Yttria Stabilized Zirconia Coatings used as Thermal Barrier Coating. Strojniski Vestnik/Journal of Mechanical Engineering. 64. 706-715. 10.5545/sv-jme.2017.5107. **(IF=1,35).**
53. Doroshkevich Aleksandr, Turchenko Vitalii, Kalanda Nikolay, Kovalev L, Yarmolich Marta, Petrov Alexander, Lukin Ye, Balasoiu Maria, Lupu Nicoleta, Savenko B. (2018). The influence of high pressure to crystalline and magnetic structure of Ba_2FeMoO_6. Journal of Physics: Conference Series. 994. 012014. 10.1088/1742-6596/994/1/012014. **(IF=0,54).**
54. Subhoni Mekhrdod, Kholmurodov Kholmirzo, Doroshkevich Aleksandr, Asgerov Elmar, Yamamoto Tomoyuki, Lyubchyk Andriy, Almasan Valer, Madadzada Afag. (2018). Density functional theory calculations of the water interactions with ZrO_2 nanoparticles Y_2O_3 doped. Journal of Physics: Conference Series. 994. 012013. 10.1088/1742-6596/994/1/012013. **(IF=0,54).**
55. Nabiyev Asif, Islamov Akhmed, Maharramov A, Nuriyev M, Ismayilova R, Pawlukojć Andrzej, Turchenko Vitalii, Olejniczak A, Rulev Maksim, Almasan V, Kuklin A. Doroshkevich Aleksandr, (2018). Structural Studies of dielectric HDPE+ZrO_2 polymer nanocomposites: filler concentration dependences. Journal of Physics: Conference Series. 994. 012011. 10.1088/1742-6596/994/1/012011. **(IF=0,54).**
56. Doroshkevich Aleksandr, Lyubchyk Andriy, Islamov Akhmed, Turchenko Vitalii, Glazunova V, Zelenyak T, Burkhovetskiy V, Shylo Artem, Balasoiu Maria, Saprykina A, Ohmura S, Lygina Olena, Lyubchyk S, Konstantinova Tetyana, Lakusta Marharyta, Bodnarchuk V, Lyubchyk S, Bacherikov Yu, Aliyeva Ye, Asgerov Elmar. (2017). Nonequilibrium chemo-electronic conversion of water on the nanosized YSZ: experiment and Molecular Dynamics modelling problem formulation. Journal of Physics: Conference Series. 848. 012021. 10.1088/1742-6596/848/1/012021. (**IF=0,54**)
57. Doroshkevich Aleksandr, Lyubchyk Andriy, Shylo Artem, Zelenyak T., Glazunova V., Burhovetskiy V., Saprykina A., Holmurodov Kh, Nosolev I., Doroshkevich Viktor S., Volkova G., Konstantinova Tetyana, Bodnarchuk V., Gladyshev P., Turchenko Vitalii, Sinyakina S. (2017). Chemical-electric energy conversion effect in zirconia nanopowder systems. Journal of Surface Investigation: X-ray, Synchrotron and Neutron Techniques. 11. 523-529. 10.1134/S1027451017030053. **(IF=0,35)**.
58. Doroshkevich Oleksandr, Lyubchyk Andriy, Islamov Akhmed, Nabiyev Asif, Turchenko Vitalii, Glazunova V.A., Zelenyak T.Y., Burkhovetskiy V.V., Shylo Artem, Saprykina A.V., Lygina Olena, Lyubchyk S.B., Konstantinova Tetyana, Bodnarchuk V.I., Ohmura S., Kholmurodov Kholmirzo. (2017). Modelling of nonequilibrium chemo-electronic conversion of water adsorption on the surface of yttria-stabilized Zirconia: Experimental preparation and problem overview. (book) www.novapublishers.com/catalog/product_info.php?products_id=62213 (SCOPUS)
59. Doroshkevich Aleksandr. Formation of nanostructured state in $LaBGeO_5$ monolithic glass using pulsed magnetic fields. (2016). Semiconductor Physics Quantum Electronics and Optoelectronics. 19. 267-272. 10.15407/spqeo19.03.267.
60. Doroshkevich Aleksandr, Frontasyeva Marina , Doroshkevich Viktor S. , Lygina Olena , Shylo Artem , Doroshkevich Nelya, Ostrovnaya Tatyana, Pavlov S., Pirko Nadiya, Zelenyak Tatyana, Konstantinova Tetyana, Lyubchyk Svitlana,. (2015). Zirconia Nanoparticles Impact On Morphophysiological Data And Mineral Composition Of P. Ostreatus. Ecological Chemistry and Engineering S. 22. 169-188. 10.1515/eces-2015-0009. **(IF=1,5).**
61. Doroshkevich Aleksandr, Shylo Artem, Kirillov Andrey, Saprykina A., Danilenko Igor, Troitskiy G., Konstantinova Tetyana, Zelenyak T. (2015). Magnetically induced electrokinetic phenomena in the surface layers of zirconia nanoparticles. Journal of Surface Investigation. X-ray, Synchrotron and Neutron Techniques. 9. 564-572. 10.1134/S1027451015030209. **(IF=0,3).**
62. Doroshkevich Aleksandr, Volkova Galina, Shylo Artem, Zelenyak Tetyana, Burkhovetskiy Valeriy, Danilenko Igor, Konstantinova Tetyana. (2014). Structural Evolution of Silicon Carbide Nanopowders during the Sintering Process. Journal of Ceramics. 2014. 1-5. 10.1155/2014/723627. **(IF=1,27)**.
63. Doroshkevich Aleksandr, Shylo Artem, Saprukina O., Danilenko Igor, Konstantinova Tetyana, Ahkozov L.. (2012). Impedance Spectroscopy of Concentrated Zirconia Nanopowder Dispersed Systems Experimental Technique. World Journal of Condensed Matter Physics. 2. 1-9. 10.4236/wjcmp.2012.21001. **(IF=0,88)**.
64. Doroshkevich Aleksandr, Danilenko Igor, Konstantinova Tetyana, Volkova G., Glazunova V. (2010). Structural evolution of zirconia nanopowders as a coagulation process. Crystallography Reports - CRYSTALLOGR REP. 55. 863-865. 10.1134/S1063774510050275. **(IF=0,72)**.

65. Bacherikov Yury, Doroshkevich Aleksandr, Kitsyuk N., Konstantinova Tetyana. (2007). Effect of magnetic pulsed field on luminescence of zinc sulfide doped with CuCl, In, and MnS. Journal of Applied Spectroscopy. 74. 408-414. 10.1007/s10812-007-0067-y. **(IF = 2,0)**.
66. Ulyanova Tatyana, Titova L., Medichenko S., Zonov Yu, Konstantinova Tetyana, Glazunova V., Kuznetsova Tatyana. Doroshkevich Aleksandr (2006). Investigation of the structure of nanocrystalline refractory oxides by X-ray diffraction, electron microscopy, and atomic force microscopy. Crystallography Reports. 51. S144-S149. 10.1134/S1063774506070212. **(IF = 0,77**
67. Doroshkevich Aleksandr, Konstantinova Tetyana, Ragulya Andrey, Volkova G.K., Glazunova V.A. (2006). The mechanisms of particle formation in Y-doped ZrO_2. International Journal of Nanotechnology. 3. 10.1504/IJNT.2006.008718.

December 10, 2019 Senior resercher, PhD. Aleksandr Doroshkevych

ANNEXES

High School Diploma



УКРАЇНА

ДИПЛОМ
спеціаліста

№ 021557

ДИПЛОМ
з відзнакою

Дорошкевич
Олександр
Сергійович

закінчив у 1999 році Донецький державний університет і отримав повну вищу освіту за спеціальністю "Радіофізика і електроніка" та здобув кваліфікацію радіофізика.

Ректор В.П. Шевченко

30 червня 1999 р.

НК №11321888

Національна академія наук України
Донецький фізико-технічний інститут ім. О.О. Галкіна
Відділ кадрів
Ідент. код 05420497
Україна м. Донецьк

Верно.

За час навчання в Донецькому державному університеті склав іспити і заліки з таких дисциплін:

№ п/п	Назва дисципліни	Кількість годин	Оцінка
1	2	3	4
1	Філософія	104	добре
2	Основи економічних теорій	68	відм
3	Історія України	72	відм
4	Політологія	66	відм
5	Іноземна мова (англ)	190	відм
6	Основи права	36	залік
7	Етика і естет	36	залік
8	Релігієзнавство	52	залік
9	Безпека життєдіяльності	52	залік
10	Фізичне виховання	280	залік
11	Логіка	18	залік
12	Охорона праці і навколишнього середовища екологія Донбасу	36	залік

1	2	3	4
13	Матем аналіз	424	відм
14	Аналітична геометрія і вища алгебра	104	добре
15	Диференц. і інтегр. рівнян.	102	відм
16	Теорія ймовірн. і матем. статистика	50	залік
17	Методи матем фізики	140	відм
18	Програмування і матем. моделювання автоматизація експерименту	146	відм
19	Механіка	90	добре
20	Молекулярна фізика	102	добре
21	Оптика	102	відм
22	Електрика і магнетизм	108	добре
23	Фізика ядра	50	відм
24	Основи атомної фізики	72	відм
25	Фізичний практ.	384	залік
26	Основи радіоелектроніки і практикум	84	відм
27	Теоретична механіка і основи механіки суцільних середовищ	122	відм

1	2	3	4
28	Електродинам	122	відм
29	Квантова механ	122	залік
30	Термодинам. і стат. радіофізика	100	добре
31	Фур'є-аналіз фізич. функцій	57	залік
32	Теорія [illegible] електр. кіл	134	добре
33	Основи радіотехніки і електроніки	84	відм
34	Хвильові процеси	78	відм
35	Квантова радіофізика	106	відм
36	Інженерна і комп'ютерна графіка	118	залік
37	Мікроелектрон	83	залік
38	Числові методи в інженер. розрах	77	залік
39	Основи маркетингу	20	залік
40	Електродинаміка НВЧ	108	залік
41	Фізика тв. тіла	34	залік
42	Електронні прилади	90	відм
43	Електроніка НВЧ	108	відм
44	Вимірювання на НВЧ	60	відм
45	Електронні прилади середовища	52	відм

Вірно
Ст. [signature]

НАЦІОНАЛЬНА АКАДЕМІЯ НАУК УКРАЇНИ ДОНЕЦЬКИЙ ФІЗИКО-ТЕХНІЧНИЙ ІНСТИТУТ ім. О.О. ГАЛКІНА
Відділ кадрів
05420497
УКРАЇНА м. ДОНЕЦЬК

1	2	3	4
46	Напівпровідникова електроніка	80	відм
47	Основи мовознавства	30	зал
48	Імпульсна техніка	36	відм
49	Цифрова техніка	30	відм
50	Машинне проектування електронних апаратів	94	відм
51	Мікропроцесорні системи	78	відм
52	Спец. укр. ділове мовлення	70	відм
53	Українська література. Культура	36	зал
54	Спец. практикум	33	зал/к
55	Спец. практ. II	55	зал/к
56	НВЧ-електроніка	33	зал/к
57	Дипломне проектування	163	відм
58	Курсова робота		відм
59	Курсова робота		відм
60	Коливання та хвилі	98	зал
61	Соціологія	20	
62	Захист прав споживача	20	зал

1	2	3	4
63	Основи конституц. права Укр	20	зал
	Практики:		
	Навчальна		відм
	Виробнича		відм
	Виробнича		відм
	Переддипломна		відм

захисти дипломний проект (роботу) на тему "Експериментальне дослідження об'ємного коефіцієнта теплового розширення кристалів $CdSe_2$ та $TlGaSe_2$"

з оцінкою: відмінно

склав державні іспити з оцінками:

з спецкурсу - відмінно

М. П. Ректор

Секретар

Місто Донецьк «30» червня 1999 р.

Реєстраційний № 11321888

П-к «Україна» № 4-3018, 1994, II.

Додаток до диплома спеціаліста №

021557

(без диплома не дійсний)

Цей додаток до диплома засвідчує, що

Дорошкевич Олександр Сергійович

(прізвище, ім'я, по батькові)

в 1994 році вступи до Донецького державного університету і в 1999 році закінчи повний курс названого університету

за спеціальністю „Радіофізика і електроніка"

Національна академія наук України Донецький фізико-технічний інститут ім. О.О. Галкіна м. Донецьк Відділ кадрів 05420497

Вірно: Ст. інспектор

ВИЩА АТЕСТАЦІЙНА КОМІСІЯ УКРАЇНИ

ДИПЛОМ
КАНДИДАТА НАУК

ДК №055419

видано

Дорошкевичу

Олександру Сергійовичу

Рішення президії Вищої атестаційної комісії України від *18 листопада 2009* року (протокол № *10-07/5*)

м. Київ

ВИЩА АТЕСТАЦІЙНА КОМІСІЯ УКРАЇНИ

Рішенням спеціалізованої вченої ради
Донецького фізико-технічного інституту
ім. О.О.Галкіна НАН України

на підставі прилюдного захисту дисертації

Дорошкевичу

Олександру Сергійовичу

присуджено науковий ступінь

КАНДИДАТА
фізико-математичних наук

зі спеціальності
фізика твердого тіла

Голова спеціалізованої вченої ради

Вчений секретар спеціалізованої вченої ради

ДК №055419

ВИЩА
АТЕСТАЦІЙНА КОМІСІЯ
УКРАЇНИ

Держзамовлення ПК «Україна». Замовлення № 3390. 2009 р. 111 екз.