

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN  
KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I.SATPAYEV

List of scientific papers in international peer-reviewed scientific journals  
included in the Scopus and Web of Science databases  
Inesh Kenzhina

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№ п/п	Publication title	Publication type	Journal name, year of publication, DOI	Journal Impact Factor, Quartile and Field of Science according to Journal Citation Reports for year of publication	Index in the Web of Science Core Collection	Journal CiteScore, percentile and field of science according to Scopus for year of publication	NAME of the authors (co-applicant to underline)	The applicant's role
1	2	3	4	5	6	7	8	9
1	Study of Morphological, Structural, and Strength Properties of Model Prototypes of New Generation TRISO Fuels	Article	Materials, 2022, 15(14), 4741. <a href="https://doi.org/10.3390/ma15144741">https://doi.org/10.3390/ma15144741</a>	IF - 3.4 Q2 – Physics, Condensed Matter	Science Citation Index Expanded	Cite Score 5.2; Condensed Matter Physics – 70% процентиль	<u>Kenzhina I.</u> , Blynskiy P., Kozlovskiy A., Begentayev M., Askerbekov S., Zaurbekova Z., Tolenova A.	first author, correspondent author

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2	Analysis of the reactor experiments results on the study of gas evolution from two-phase Li <sub>2</sub> TiO <sub>3</sub> -Li <sub>4</sub> SiO <sub>4</sub> lithium ceramics	Article	Nuclear Materials and Energy. – 2022. – Vol. 30. – P. 101132. <a href="https://doi.org/10.1016/j.nme.2022.101132">doi.org/10.1016/j.nme.2022.101132</a>	IF - 2.6 Q1 – Nuclear Science & Technology	Science Citation Index Expanded	Cite Score 4.8; Nuclear Energy and Engineering – 83% процентиль	<u>Kenzhina I.</u> , Kulsartov T., Knitter R., Chikhray Y., Kenzhin Y., Zaurbekova Z., Nesterov E.	first author, correspondent author
3	Experimental Facility to Study the Threshold Characteristics of Laser Action at the p-s-Transition of Noble Gas Atom upon Excitation by 6Li(n,α)3H Nuclear Reaction Products	Article	Applied Sciences. – 2022. – Vol. 12, №. 24. – P. 12889. <a href="https://doi.org/10.3390/app122412889">https://doi.org/10.3390/app122412889</a>	IF - 2.7 Q2 – Engineering, Multidisciplinary	Science Citation Index Expanded	Cite Score 4.5; General Engineering – 75%	Batyrbekov E., Khasenov M., Gordienko Y., Samarkhanov K., Kenzhina I.E., Kotlyar A., Miller A., Tskhe V., Bochkov V.	co-author
4	Investigation of hydrogen and deuterium impact on the release of tritium from two-phase lithium ceramics under reactor irradiation	Article	Nuclear Materials and Energy. – 2022. – Vol. 30. – P. 101115. <a href="https://doi.org/10.1016/j.nme.2022.101115">https://doi.org/10.1016/j.nme.2022.101115</a>	IF - 2.6 Q1 – Nuclear Science & Technology	Science Citation Index Expanded	Cite Score 4.8; Nuclear Energy and Engineering – 83% процентиль	Kulsartov T., Kenzhin Y., Knitter R., Kizane G., Chikhray Y., Shaimerdenov A., <u>Kenzhina I.</u> , Ponkratov Y.	co-author
5	Studies of two-phase lithium ceramics Li <sub>4</sub> SiO <sub>4</sub> -Li <sub>2</sub> TiO <sub>3</sub> under conditions of neutron irradiation	Article	Nuclear Materials and Energy. – 2022. – Vol. 30. – P. 101129.	IF - 2.6 Q1 – Nuclear Science & Technology	Science Citation Index Expanded	Cite Score 4.8; Nuclear Energy and Engineering	Kulsartov T., Zaurbekova Z., Knitter R., Shaimerdenov A.,	co-author

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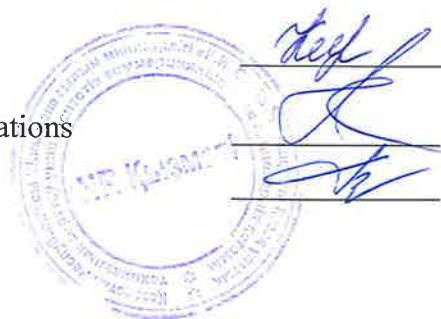
			<a href="https://doi.org/10.1016/j.nme.2022.101129">doi.org/10.1016/j.nme.2022.101129</a>			– 83% процентиль	Chikhray Y., Askerbekov S., <u>Kenzhina I.</u> , Ponkratov Y.	
6	Analysis of reactor experiments to study the transfer processes of generated tritium in lithium cps (capillary-porous system)	Article	International Journal of Hydrogen Energy. – 2022. – Vol. 47, №. 11. – P. 7368-7378. <a href="https://doi.org/10.1016/j.ijhydne.2021.03.163">doi.org/10.1016/j.ijhydne.2021.03.163</a>	IF - 7.2 Q2 – Energy & Fuels	Science Citation Index Expanded	Cite Score 12.1; Condensed Matter Physics – 95% процентиль	Askerbekov S., <u>Kenzhina I.</u> , Kulsartov T., Chikhray Y., Tazhibayeva I., Ponkratov Y., Nesterov E.	co-author
7	Study of Degradation Mechanisms of Strength and Thermal-Physical Properties of Nitride and Carbide Ceramics-Promising Materials for Nuclear Energy	Article	Nanomaterials. – 2022. – Vol. 12, №. 11. – P. 1789. <a href="https://doi.org/10.3390/nano12111789">doi.org/10.3390/nano12111789</a>	IF - 5.3 Q1 – Physics, Applied	Science Citation Index Expanded	Cite Score 7.4; General Materials Science– 78% процентиль	Berguzinov A., Kozlovskiy A., <u>Kenzhina I.</u> , Shlimas D. I.	co-author
8	Synthesis, Properties and Photocatalytic Activity of CaTiO <sub>3</sub> -Based Ceramics Doped with Lanthanum	Article	Nanomaterials. – 2022. – Vol. 12, №. 13. – P. 2241. <a href="https://doi.org/10.3390/nano12132241">https://doi.org/10.3390/nano12132241</a>	IF - 5.3 Q1 – Physics, Applied	Science Citation Index Expanded	Cite Score 7.4; General Materials Science– 78% процентиль	Zdorovets M. V., Borgekov D. B., Zhumatayeva I. Z., <u>Kenzhina I. E.</u> , & Kozlovskiy A. L.	co-author
9	Study of Corrosion Mechanisms in Corrosive Media and Their Influence on the Absorption Capacity of	Article	Nanomaterials. – 2022. – Vol. 12, №. 13. – P. 2302.	IF - 5.3 Q1 – Physics, Applied	Science Citation Index Expanded	Cite Score 7.4; General Materials	Kadyrzhanov K. K., Kozlovskiy A. L., Egizbek K., <u>Kenzhina</u>	co-author

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	Fe <sub>2</sub> O <sub>3</sub> /NdFeO <sub>3</sub> Nanocomposites		<a href="https://doi.org/10.3390/nano12132302">https://doi.org/10.3390/nano12132302</a>			Science– 78% процентиль	I. E., Abdinov R. S., & Zdorovets M. V.	
10	Charge-changing cross sections for Ca 42-51 and effect of charged-particle evaporation induced by neutron-removal reactions	Article	Physical Review C. – 2022. – Vol. 106, №. 1. – C. 014617. <a href="https://doi.org/10.1103/PhysRevC.106.014617">doi.org/10.1103/PhysRevC.106.014617</a>	IF - 3.1 Q2 – Physics, Nuclear	Science Citation Index Expanded	Cite Score 5.7; Nuclear and High Energy Physics – 77% процентиль	Tanaka M., Takechi M., Homma A., Prochazka A., Fukuda M., Nishimura D., <u>Kenzhina I. E.</u> , Zholdybayev T. K.	co-author
11	Study of radiation resistance to helium swelling of AlN ceramics in case of irradiation with low-energy He <sup>2+</sup> ions with energy of 40 keV	Article	Journal of Materials Science: Materials in Electronics. – 2021. – Vol. 32, №. 11. – P. 14347-14357. <a href="https://doi.org/10.1007/s10854-021-05997-1">doi.org/10.1007/s10854-021-05997-1</a>	IF – 2.779 Q3 - Physics, condensed matter	Science Citation Index Expanded	Cite Score 4.2; Condensed Matter Physics – 63%.	Kozlovskiy A. L., <u>Kenzhina I. E.</u> , Zdorovets M. V.	co-author
12	Study of defect formation processes under heavy ion irradiation of ZnCo <sub>2</sub> O <sub>4</sub> nanowires	Article	Optical Materials. – 2021. – Vol. 118. – P. 111282. <a href="https://doi.org/10.1016/j.optmat.2021.111282">doi.org/10.1016/j.optmat.2021.111282</a>	IF - 3.754 Q3 - Materials Science, Multidisciplinary	Science Citation Index Expanded	Cite Score 5.2; Atomic and Molecular Physics, and Optics - 70%.	Zikirina A., Kadyrzhanov K. K., <u>Kenzhina I. E.</u> , Kozlovskiy A. L., Zdorovets M. V.	co-author
13	Modeling of hydrogen isotopes release from lithium ceramics Li <sub>2</sub> TiO <sub>3</sub> during in-situ experiments using vacuum extraction method	Article	Fusion Engineering and Design. – 2021. – Vol. 170. – P. 112705. <a href="https://doi.org/10.1016/j.fusengdes.2021.112705">doi.org/10.1016/j.fusengdes.2021.112705</a>	IF - 1.905 Q2 - Nuclear Science & Technology	Science Citation Index Expanded	Cite Score 3.1; Nuclear Energy and Engineering – 61% процентиль	Kulsartov T., <u>Kenzhina I.</u> , Tolenova A., Kenzhin Y., Shaimerdenov A., Nesterov Y., Gluchshenko A.	co-author

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14	Features of the in-situ experiments on studying of tritium release from lithium ceramic $\text{Li}_2\text{TiO}_3$ using vacuum extraction method	Article	Fusion Engineering and Design. – 2021. – Vol. 172. – P. 112703. <a href="https://doi.org/10.1016/j.fusengdes.2021.112703">doi.org/10.1016/j.fusengdes.2021.112703</a>	IF - 1.905 Q2 - Nuclear Science & Technology	Science Citation Index Expanded	Cite Score 3.1; Nuclear Energy and Engineering – 61% процентиль	Kulsartov T., Shaimerdenov A., Zaurbekova Z., <u>Kenzhina I.</u> , Chikhray Y., Kizane G., Ponkratov Y.	co-author
15	Determination of the activation energy of tritium diffusion in ceramic breeders by reactor power variation	Article	Fusion Engineering and Design. – 2021. – Vol. 172. – P. 112783. <a href="https://doi.org/10.1016/j.fusengdes.2021.112783">doi.org/10.1016/j.fusengdes.2021.112783</a>	IF - 1.905 Q2 - Nuclear Science & Technology	Science Citation Index Expanded	Cite Score 3.1; Nuclear Energy and Engineering – 61% процентиль	Kulsartov T., <u>Kenzhina I.</u> , Chikhray Y., Zaurbekova Z., Kenzhin Y., Aitkulov M., Dyussambayev D.	co-author

List of scientific Proceedings  
Inesh Kenzhina

№ п/п	Title	Nature of the edition	Output data	Number of pages	Co-authors
1	2	3	4	5	6
<b>Articles in publications recommended by the Committee for Quality Assurance in Education and Science of the Ministry of Science and Higher Education of the Republic of Kazakhstan</b>					
1	Study of morphological features of lithium-containing ceramics obtained by solid-phase synthesis	Printed	Вестник. Серия Физическая (ВКФ). – 2021. – Т. 76. – №. 1. – С. 44-50. ISSN: 1563-0315 <a href="https://doi.org/10.26577/RCPH.2021.v76.i1.05">https://doi.org/10.26577/RCPH.2021.v76.i1.05</a>	7	Shlimas D. I., Kozlovskiy A. L.

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2	Gamma-radiation-induced attenuation of light in pure-silica core optical fiber in long-wavelength region	Printed	International Journal of Mathematics and Physics. – 2022. – Т. 13. – №. 1. – С. 75-81. ISSN: 2218-7987 <a href="https://doi.org/10.26577/ijmph.2022.v13.i1.08">https://doi.org/10.26577/ijmph.2022.v13.i1.08</a>	7	Kashaykin P. F., Pospelova E. A., Zaurbekova Z. A., Askerbekov S. K., Salgansky M. Y., Tomashuk A. L.
3	Изучение процессов фазообразования в инертных матрицах по типу сег-сег на основе оксидных соединений	Printed	Вестник НЯЦ РК. – 2022. – №. 3. – С. 82-87. ISSN 1729-7516 <a href="https://doi.org/10.52676/1729-7885-2022-3-82-87">https://doi.org/10.52676/1729-7885-2022-3-82-87</a>	6	Шаймерденов А. А., Толенова А. У., Аскербеков С. К., Козловский А. Л.
4	Установка и методика экспериментальных исследований композиционных материалов на основе бериллия	Printed	Вестник. Серия Физическая (БКФ). – 2023. – Т. 86. – №. 3. – С. 30-39. ISSN: 1563-0315. <a href="https://doi.org/10.26577/RCPH.2023.v86.i3.04">https://doi.org/10.26577/RCPH.2023.v86.i3.04</a>	10	Kenzhin Y. A., Kulsartov T. V., Udartsev S. V.
5	SiC қаптамасы бар ЖТГР графитінің созылмалы коррозиясы	Printed	Вестник. Серия Физическая (БКФ). – 2022. – Т. 81. – №. 2. – С. 41-52. ISSN: 1563-0315 <a href="https://doi.org/10.26577/RCPH.2022.v81.i2.06">https://doi.org/10.26577/RCPH.2022.v81.i2.06</a>	12	Zaurbekova Z. A., Blynskiy P. A., Chikhray Y. V., Askerbekov S. K., Tolenoa A. U., Bushnev P. A.

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