**Cписок научных публикаций за 5 лет**

**н.с. ЛЯР ОИЯИ Иткис Юлии Михайловны**

1. I.M. Itkis, G.N. Knyazheva, E.M. Kozulin. *Inverse Quasifission in 156,160Gd+186W Reactions*. [Bull. Russ. Acad. Sci. Phys.](https://link.springer.com/journal/11954" \o "Bulletin of the Russian Academy of Sciences: Physics) 82, [No.6](https://link.springer.com/journal/11954/82/6/page/1) (2018) 643.
2. K.B. Gikal, E.M. Kozulin**,** I.M. Itkis, M.G. Itkis, G.N. Knyazheva, K.V. Novikov and A.N. Pan*. Searching for the Superasymmetric Fission Mode of 248Cf, 254Fm, and 260No in Reactions 22Ne+232Th,238U; 16O+232Th,238U*. Bull. Russ. Acad. Sci. Phys. 82, [No.6](https://link.springer.com/journal/11954/82/6/page/1) (2018) 716.
3. A.N. Pan, E.M. Kozulin, I.M. Itkis, M.G. Itkis, G.N. Knyazheva, K.B. Gikal, K.V. Novikov, T.N. Kvochkina, N.T. Burtebayev, K.V. Covalchuk, *Proton induced fission of 232Th at low and intermediate energies*. Bulletin of the Russian Academy of Sciences: Physics, Vol. 82, No. 6 (2018) 721.
4. E.M. Kozulin, G.N. Knyazheva, T.K. Ghosh, A. Sen, I.M. Itkis, M.G. Itkis, K.V. Novikov, I.N. Diatlov, I.V. Pchelintsev, C. Bhattacharya, S. Bhattacharya, K. Banerjee, E.O. Saveleva, I.V. Vorobiev. *Fission and quasifission of the composite system Z = 114 formed in heavy-ion reactions at energies near the Coulomb barrier*. Phys. Rev. C 99 (2019) 014616.
5. E Vardaci, M G Itkis, I M Itkis, G Knyazheva and E M Kozulin, *Fission and quasifission toward the superheavy mass region*, J. Phys. G: Nucl. Part. Phys. 46 (2019) 103002.
6. E.M. Kozulin, I.M. Harca, E. Vardaci, I. Matea, A. Maj, I. Itkis, G. Knyazheva, K. Novikov, O. Dorvaux, M. Ciemala, S. Brambilla, N. Kozulina, I.V. Kolesov, E. Saveleva, V.V. Kirakosyan, C. Schmitt, C. Borcea, S. Calinescu, C. Petrone, M. Ashaduzzaman, B. DeCanditiis, A. Pulcini, D. Quero, P. Rath, A. Di Nitto, G. La Rana, A. Bracco, F. Camera, O. Stezowski, J. Wilson, D. Verney, W.H. Trzaska, *Features of the Fission Fragments Formed in the Heavy Ion induced 32S+197Au reaction near the interaction barrier*,Eur. Phys. J. A 56, 6 (2020).
7. E. Vardaci, A. Pulcini, E.M. Kozulin, I. Matea, D. Verney, A. Maj, C. Schmitt, I.M. Itkis, G.N. Knyazheva, K. Novikov, N. Kozulina, I.M. Harca, I.V. Kolesov, K. Saveleva, V.V. Kirakosyan, O. Dorvaux, M. Ciemala, S. Brambilla, M. Ashaduzzaman, B. De Canditiis, A. Di Nitto, D. Quero, C. Parascandolo, D. Pierroutsakou, P.K. Rath, G. Sposito, G. La Rana, A. Bracco, F. Camera, O. Stezowski, C. Borcea, S. Calinescu, C. Petrone, and J. Wilson, *Using γ rays to disentangle fusion-fission and quasifission near the Coulomb barrier: A test of principle in the fusion-fission and quasielastic channels*, Phys. Rev. C 101 (2020) 064612.
8. Yu.M. Itkis, A.V. Karpov, G.N. Knyazheva, E.M. Kozulin, N.I. Kozulina, K.V. Novikov, K.B. Gikal, I.N. Diatlov, I.V. Pchelintsev, I.V. Vorobiov, A.N. Pan, and P.P. Singh, *Fission and quasifission in the reactions with well-deformed nuclei*, Bull. Russ. Acad. Sci. Phys. 84 (2020) 938.
9. K.V. Novikov, E.M. Kozulin, G.N. Knyazheva, I.M. Itkis, A.V. Karpov, M.G. Itkis, I.N. Diatlov, M. Cheralu, B. Gall, Z. Asfari, N.I. Kozulina, D. Kumar, I.V. Pchelintsev, V.N. Loginov, A.E. Bondarchenko, P.P. Singh, I.V. Vorobiev, S. Heinz, W.H. Trzaska, E. Vardaci, N. Tortorelli, C. Borcea, I. Harca, *Formation and Decay of the Composite System Z = 120 in Reactions with Heavy Ions at Energies near the Coulomb Barrier.* Bull. Russ. Acad. Sci. Phys. 84 (2020) 495.
10. D. Kumar, E.M. Kozulin, M. Cheralu, G.N. Knyazheva, I.M. Itkis, M.G. Itkis, K.V. Novikov, A.A. Bogachev, N.I. Kozulina, I.N. Diatlov, I.V. Pchelintsev, I.V. Vorobiev, T. Banerjee, Y.S. Mukhamejanov, A.N. Pan, V.V. Saiko, P.P. Singh, R.N. Sahoo, A.N. Andreyev, D.M. Filipescu, M. Maiti, R. Prajapat, R. Kumar, *Study of Mass-Asymmetric Fission of 180,190Hg Formed in the 36Ar + 144,154Sm Reactions.* Bull. Russ. Acad. Sci. Phys. 84 (2020) 1001.
11. K.V. Novikov, E.M. Kozulin, G.N. Knyazheva, I.M. Itkis, M.G. Itkis, A.A. Bogachev, I.N. Diatlov, M. Cheralu, D. Kumar, N.I. Kozulina, A.N. Pan, I.V. Pchelintsev, I.V. Vorobiev,W.H. Trzaska, S. Heinz, H.M. Devaraja, B. Lommel, E. Vardaci, S. Spinosa, A. Di Nitto, A. Pulcini, S.V. Khlebnikov, Pushpendra P. Singh, Rudra N. Sahoo, B. Gall, Z. Asfari, C. Borcea, I. Harca, D.M. Filipescu, *Investigation of fusion probabilities in the reactions with 52,54Cr, 64Ni and 68Zn ions leading to the formation of Z=120 superheavy composite systems.* Phys. Rev. C 102, 044605 (2020).
12. A. A. Bogachev, E. M. Kozulin, G. N. Knyazheva, I. M. Itkis, K. V. Novikov, T. Banerjee, M. Cheralu, M.G. Itkis, E. Mukhamedzhanov, D. Kumar, A. Pan, I. V. Pchelintsev, I. V. Vorob’ev, W. H. Trzaska, E. Vardaci, A. di Nitto, S. V. Khlebnikov, I. Harka, A. Andreyev, *Study of Binary Processes in the Reactions of 36Ar+144,154Sm and 68Zn+112Sn Leading to the Formation of Neutron-Deficient Compound 180,190Hg Nuclei*. Bull. Russ. Acad. Sci. Phys. 85 (2021) 1080.
13. E. I. Galkina, E. M. Kozulin, G. N. Knyazheva, I. M. Itkis, A. A. Bogachev, I. N. Diatlov, M. Cheralu, D. Kumar, N. I. Kozulina, K. V. Novikov, A. N. Pan, I. V. Pchelintsev, I. V. Vorobiev, W. H. Trzaska, S. Heinz, B. Lommel, E. Vardaci, S. Spinosa, A. Di Nitto, A. Pulcini, C. Borcea, I. Harca, *Investigating Mass-Energy Distributions of Fragments Produced in the 32S+232Th→264Sg Reaction at Energies Below and Near the Coulomb Barrier*. Bull. Russ. Acad. Sci. Phys. 85 (2021) 1085.
14. D. Kumar, E. M. Kozulin, G. N. Knyazheva, M. Maiti, I. M. Itkis, A. A. Bogachev, K. V. Novikov, M. Cheralu, T. Banerjee, I. N. Diatlov, N. I. Kozulina, I. V. Pchelintsev, I. V. Vorobiev, A. N. Pan, R. Prajapat, R. Kumar, E. Vardaci, W. H. Trzaska, A. Andreyev, and I. M. Harca, *Investigation on Competing Fission Modes in 178Pt\* Produced by 36Ar+142Nd Reaction up to High Excitation Energies*, Bull. Russ. Acad. Sci. Phys. 85 (2021) 1479.
15. A. A. Bogachev, E. M. Kozulin, G. N. Knyazheva, I. M. Itkis, M. G. Itkis, K. V. Novikov, D. Kumar, T. Banerjee, I. N. Diatlov, M. Cheralu, V. V. Kirakosyan, Y. S. Mukhamejanov, A. N. Pan, I. V. Pchelintsev, R. S. Tikhomirov, I. V. Vorobiev, M. Maiti, R. Prajapat, R. Kumar, G. Sarkar, W. H. Trzaska, A. N. Andreyev, I. M. Harca, E. Vardaci, *Asymmetric and symmetric fission of excited nuclei of 180,190Hg and 184,192,202Pb, formed in the reactions with 36Ar and 40,48Ca ions,* Phys. Rev. C 104 (2021) 024623.
16. E. M. Kozulin, G. N. Knyazheva, I. M. Itkis, M. G. Itkis, Y. S. Mukhamejanov, A. A. Bogachev, K. V. Novikov, V. V. Kirakosyan, D. Kumar, T. Banerjee, M. Cheralu, M. Maiti, R. Prajapat, R. Kumar, G. Sarkar, W. H. Trzaska, A. N. Andreyev, I. M. Harca, A. Mitu, E. Vardaci, *Fission of 180,182,183Hg\* and 178Pt\* nuclei at intermediate excitation energies*, Phys. Rev. C 105 (2022) 014607.
17. E. M. Kozulin, G. N. Knyazheva, A. A. Bogachev, V. V. Saiko, A. V. Karpov, I. M. Itkis, K. V. Novikov, Y. S. Mukhamejanov, I. V. Pchelintsev, I. V. Vorobiev, T. Banerjee, M. Cheralu, and Pushpendra P. Singh, Experimental study of fast fission and quasifission in the 40Ca+208Pb reaction leading to the formation of the transfermium nucleus 248No. Phys. Rev. C 105 (2022) 024617.
18. T. Banerjee, E. M. Kozulin, K. B. Gikal, I. M. Itkis, G. N. Knyazheva, N. I. Kozulina, K. V. Novikov, I. N. Diatlov, I. V. Pchelintsev, A. N. Pan and I. V. Vorobiev, *Super-Asymmetric Fission Mode in 254Fm Nucleus Populated by 16O+238U Reaction*, Phys. Part. Nucl. 53 (2022) 135.
19. T. Banerjee, E. M. Kozulin, N. T. Burtebayev, K. B. Gikal, G. N. Knyazheva, I. M. Itkis, K. V. Novikov, T. N. Kvochkina, Y. S. Mukhamejanov, A. N. Pan, *Search for possible fission modes at high excitation energies in 254Fm*, Phys. Rev. C 105 (2022) 044614.
20. T. Banerjee, E. M. Kozulin, G. N. Knyazheva, I. M. Itkis, *Search for the Fission Modes in 238Np Nucleus Populated by 6Li+232Th*. Phys. Atom. Nucl. 85, 770–775 (2022).
21. Sen, T. K. Ghosh, E. M. Kozulin, I. M. Itkis, G. N. Knyazheva, K. V. Novikov, S. Bhattacharya, K. Banerjee, and C. Bhattacharya, *Quasifission in 84,86Kr-induced reactions populating superheavy elements,* Phys. Rev. C 105 (2022) 014627.
22. M.G. Itkis, G.N. Knyazheva, I.M. Itkis, E.M. Kozulin, *Experimental investigation of cross sections for the production of heavy and superheavy nuclei*. Eur. Phys. J. A 58, 178 (2022).
23. E.M.Kozulin, A.A.Bogachev, G.N.Knyazheva, V.V. Saiko, I.M.Itkis, K.V.Novikov, D.Kumar, and Pushpendra P. Singh, *Exclusive Mass-Energy Distributions of the Fast Fission Fragments in the 40Ca+144Sm Reaction,* Phys. Atom. Nucl. 86 (2023) 56.