

# PUBLICATIONS

ANI APRAHAMIAN

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1. Ani Aprahamian // Open Challenges to Nuclear Physics Resulting from the Neutron Star Merger / Nuclear Physics News, 2021, 31 (3), 11-16.
2. B. Frenzt, A. Aprahamian, A. M. Clark, R. J. deBoer, C. Dulal, J. D. Enright, J. Görres, S. L. Henderson, J. D. Hinnefeld, K. B. Howard // Lifetime measurements of excited states in / Physical Review C, 2021, 103 (4), -.
3. Jordan M. Roach, Khachatur V. Manukyan, Ashabari Majumdar, Stefania Dede, Allen G. Oliver, Peter C. Burns, Ani Aprahamian // Hyperstoichiometric Uranium Dioxides: Rapid Synthesis and Irradiation-Induced Structural Changes / Inorganic Chemistry, 2021, 60 (24), 18938-18949.
4. Ashabari Majumdar, Khachatur V. Manukyan, Stefania Dede, Jordan M. Roach, Daniel Robertson, Peter C. Burns, Ani Aprahamian // Irradiation-Driven Restructuring of UO Thin Films: Amorphization and Crystallization / ACS Applied Materials & Interfaces, 2021, 13 (29), 35153-35164.
5. Marieta K. Zakaryan, Suren L. Kharatyan, Ani Aprahamian, Khachatur V. Manukyan // Combustion in the ZrF<sub>4</sub>-Mg-Si and ZrF<sub>4</sub>-Al-Si systems for preparation of zirconium silicides / Combustion and Flame, 2021, 232, 111514 (1-9).
6. Ashabari Majumdar, Khachatur V. Manukyan, Stefania Dede, Jordan M. Roach, Daniel Robertson, Peter C. Burns, Ani Aprahamian // Irradiation-Driven Restructuring of UO Thin Films: Amorphization and Crystallization / ACS Applied Materials & Interfaces, 2021, 13 (29), 35153-35164.
7. John J. Cowan, Christopher Sneden, James E. Lawler, Ani Aprahamian, Michael Wiescher, Karlheinz Langanke, Gabriel Martínez-Pinedo, Friedrich-Karl Thielemann // Origin of the heaviest elements: The rapid neutron-capture process / Reviews of Modern Physics, 2021, 93 (1), -.
8. M. A. Aginian, A. P. Aprahamian, S. G. Arutunian, G. S. Harutyunyan, E. G. Lazareva, L. M. Lazarev, A. V. Margaryan, L. A. Shahinyan, R. K. Dallakyan, A. A. Manukyan // Vibrating Wire Station for Horizontal and Vertical Profiling of Proton Beam of Cyclotron C18 in Air / Journal of Contemporary Physics (Armenian Academy of Sciences), 2021, 56 (4), 297-308.