

Lista de publicatii WoS AIS/Q2 (with corresponding author underlined)

- [1] M. Avrigeanu and V. Avrigeanu, *Optical potential for incident and emitted low-energy alpha particles. III. Non-statistical processes induced by neutrons on Zr, Nb, and Mo nuclei*, Phys. Rev. C **107**, 034613 (2023), <https://doi.org/10.1103/PhysRevC.107.034613> [AIS Q2]
- [2] M. Avrigeanu and V. Avrigeanu, *Structural material nuclear data basic research*, Front. Phys. **11**, 1172697 (2023), <https://doi.org/10.3389/fphy.2023.1172697> (part of the *Research Topic on Nuclear Data for Fusion Technology from Basic Research to Full-Scale Applications*, <https://www.frontiersin.org/research-topics/39045/nuclear-data-for-fusion-technology-from-basic-research-to-full-scale-application>) [AIS Q2]
- [3] M. Avrigeanu, E. Simeckova, J. Mrazek, C. Costache, and V. Avrigeanu, *Modeling of deuteron-induced reactions on molybdenum at low energies*, Journal of Fusion Energy **43**, 15 (2024), [10.1007/s10894-024-00407-w](https://doi.org/10.1007/s10894-024-00407-w) [AIS Q1]
- [4] E. Simeckova, M. Avrigeanu, J. Mrazek, J. Novak, M. Stefanik, C. Costache, and V. Avrigeanu, *Deuteron-induced neutron emission on molybdenum at low energies*, Journal of Fusion Energy [AIS Q1] (to be submitted, Dec. 2024) [https://users.euro-fusion.org/repository/pinboard/EFDA-JET/journal/116700_jfe20241.pdf], EUROfusion Pinboards No. 942/20 Nov. 2024]

Lista de publicatii indexate WoS

- [5] M. Avrigeanu and V. Avrigeanu, *Role of direct interactions in (d,p) and (d,2p) reactions*, EPJ Web of Conf. **284**, 03006 (2023) [oral talk at 15th International Conference on Nuclear Data for Science and Technology (ND2022), July 25-29, 2022, Sacramento, California, US]; <https://doi.org/10.1051/epjconf/202328403006>
- [6] M. Avrigeanu and V. Avrigeanu, *Due consideration of the breakup and direct reaction mechanisms within (d,p), (d,2p), (d,xn2p), and (d,xn) reactions*, EPJ Web of Conf. **292**, 06001 (2024) [main oral talk at 16th Varenna Conference on Nuclear Reaction Mechanisms (NRM2023), Varenna, Italy, June 11-16, 2023, F. Cerutti and T. Kawano (Eds.), <https://indico.cern.ch/event/1132769/>]; [10.1051/epjconf/202429206001](https://doi.org/10.1051/epjconf/202429206001)
- [7] M. Avrigeanu and V. Avrigeanu, *Deuteron-induced reaction cross sections for 93Zr up to 200 MeV*, EPJ Web of Conf. (https://conferences.iaea.org/event/368/papers/31731/files/12849-MAvrigeanu_CNR_2024.pdf, submitted, Oct. 2024) [oral talk at *7th Int. workshop on Compound-Nuclear Reactions and Related Topics (CNR*24)*, 8-12 July 2024, Vienna, Austria]