

Comparison of damages in tungsten and tungsten doped with lanthanum-oxide exposed to dense deuterium plasma shots

Shirokova, Veroonika; Laas, Tõnu; **Mikli, Valdek** Journal of nuclear materials 2013 / p. 181-188 : ill

<https://www.sciencedirect.com/science/article/abs/pii/S0022311512006848> <https://doi.org/10.1016/j.jnucmat.2012.12.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrigendum to "Generation and development of damages in double forged tungsten in different regimes of irradiation with extreme heat loads" [J. Nucl. Mater. 495 (2017) 91-102]

Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veroonika; Antonov, Maksim** Journal of nuclear materials 2018 / p. 323-324 : tab

<https://doi.org/10.1016/j.jnucmat.2018.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of in situ high resolution NMR: Proof-of-principle for a new (spinning) cylindrical mini-pellet approach applied to a Lithium ion battery

Mohammad, Irshad; Cambaz, Musa Ali; **Samoson, Ago**; Fichtner, Maximilian; Witter, Raiker Solid state nuclear magnetic

resonance 2024 / art. 101914 <https://doi.org/10.1016/j.ssnmr.2023.101914> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating architectural, redundancy, and implementation strategies for radiation hardening of FinFET integrated circuits

Pagliarini, Samuel Nascimento; Benites, Luis; Martins, Mayler; Rech, Paolo; Kastensmidt, Fernanda IEEE transactions on nuclear

science 2021 / p. 1045-1053 <https://doi.org/10.1109/TNS.2021.3070643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The experimental and theoretical investigations of damage development and distribution in double-forged tungsten under plasma irradiation-initiated extreme heat loads

Väli, Berit; Laas, Tõnu; Paju, Jana; **Antonov, Maksim** Nukleonika 2016 / p. 169-177 : ill <https://doi.org/10.1515/nuka-2016-0029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Generation and development of damage in double forged tungsten in different combined regimes of irradiation with extreme heat loads

Paju, Jana; Väli, Berit; Laas, Tõnu; **Shirokova, Veroonika; Antonov, Maksim** Journal of nuclear materials 2017 / p. 91-102 : ill

<https://doi.org/10.1016/j.jnucmat.2017.07.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Gravitational wave microlensing by dressed primordial black holes

Urrutia, Juan; Vaskonen, Ville; Veermäe, Hardi Physical Review D 2023 / art. 023507 <https://doi.org/10.1103/PhysRevD.108.023507>

[Journal metrics at Scopus](#) [Article at Scopus](#)

H-MAS

Samoson, Ago Journal of magnetic resonance 2019 / p. 167-172 : ill <https://doi.org/10.1016/j.jmr.2019.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

1H line width dependence on MAS speed in solid state NMR - comparison of experiment and simulation

Sternberg, Ulrich; **Witter, Raiker**; Kuprov, Ilya; Lamley, Jonathan M.; **Oss, Andres**; Lewandowski, Jozef R.; **Samoson, Ago** Journal

of magnetic resonance 2018 / p. 32-39 : ill <https://doi.org/10.1016/j.jmr.2018.04.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of synthesis parameters and thermal treatment on the optical and structural properties of zinc oxide-based nanomaterials

Paltusheva, Zhaniya; Kedruk, Yevgeniya; Gritsenko, Lesya; Tulegenova, Madina; **Sõritski, Vitali**; Abdullin, Khabibulla Physical

sciences and technology 2024 / Lk. 49-57 <https://doi.org/10.26577/phst2024v11i1a6> [Journal metrics at Journal](#) [Article at Scopus](#)

The MAPS foil

Beole, S.; Carnesecchi, F.; Contin, Giacomo; de Oliveira, Rui A.Negrao; Di Mauro, Antonello; Ferry, Serge; Hillemanns, Hartmut;

Junique, Antoine; Kluge, Alexander; Lautner, Lukas; Mager, Magnus; Mehl, Bertrand; **Rebane, Karoliina**; Reidt, Felix; Sanna, I.;

Šuljić, M.; Yüncü, Alperen Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors

and Associated Equipment 2023 / art. 167673 <https://doi.org/10.1016/j.nima.2022.167673> [Journal metrics at Scopus](#) [Article at Scopus](#)

Modeling of self-localized vibrations and defect formation in solids

Hižnjakov, Vladimir; Haas, Mati; Pishtshev, Aleksandr; Šelkan, Aleksander; **Klopov, Mihhail** Nuclear instruments and methods in

physics research section B-beam interactions with materials and ato 2013 / p. 91-94 : ill <https://doi.org/10.1016/j.nimb.2013.01.055>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multiple point criticality principle and Coleman-Weinberg inflation

Racioppi, Antonio; **Rajasalu, Jürgen; Selke, Kaspar** Journal of high energy physics 2022 / art. 107, 26 p. : ill

[https://doi.org/10.1007/JHEP06\(2022\)107](https://doi.org/10.1007/JHEP06(2022)107) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the effects of different regimes of plasma pulses affecting the material due to their succession

Paju, Jana; Laas, Tõnu; **Primets, Jaanis**; Väli, Berit; **Shirokova, Veroonika**; Laas, Katrin Nuclear materials and energy 2019 / p. 312-320 : ill <https://doi.org/10.1016/j.nme.2019.01.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Parallel investigation of double forged pure tungsten samples irradiated in three DPF devices

Gribkov, V. A.; **Shirokova, Veroonika**; Pokatilov, Andrei; Parker, Martin Journal of nuclear materials 2015 / p. 341-346 : ill <https://doi.org/10.1016/j.jnucmat.2014.11.080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of the explicit Euler and predictor-corrector-based coupling schemes in Monte Carlo burnup calculations of fast reactors

Mickus, Ignas; Dufek, Jan; **Tuttelberg, Kaur** Nuclear technology 2015 / p. 193-198 : ill <https://doi.org/10.13182/NT14-48> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Regulation of electron bunch arrival time for a continuous-wave linac : exploring the application of the H2 mixed-sensitivity problem

Maalberg, Andrei; Kuntzsch, Michael; Zenker, Klaus; **Petlenkov, Eduard** Physical Review Accelerators and Beams 2023 / art. 072801, 13 p. : ill <https://doi.org/10.1103/PhysRevAccelBeams.26.072801> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Slow-roll inflation in Palatini F(R) gravity

Dioguardi, Christian; Racioppi, Antonio; Tomberg, Eemeli Journal of high energy physics 2022 / art. 106, 20 p. : ill [https://doi.org/10.1007/JHEP06\(2022\)106](https://doi.org/10.1007/JHEP06(2022)106) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural properties of ZnO nanopowders synthesized by thermal decomposition

Kedruk, Y. Y.; Paltusheva, Z. U.; Gritsenko, L. V.; **Sõritski, Vitali** Physical sciences and technology 2023 / p. 80-86 <https://doi.org/10.26577/phst.2023.v10.i2.010> [Journal metrics at Scopus](#) [Article at Scopus](#)