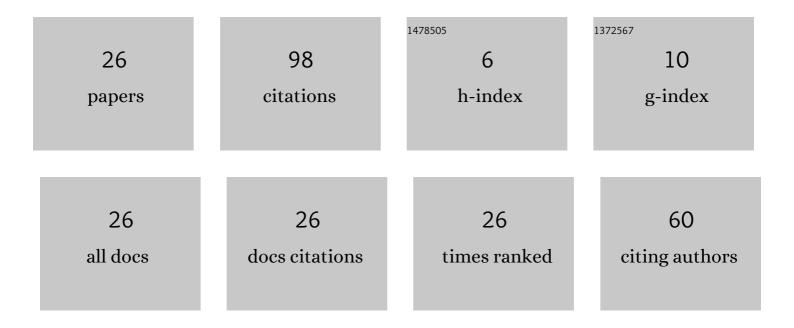
## Å tefan ÄŒerba

List of Publications by Year in descending order

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Δτεγλη Απέραλ

| #  | Article                                                                                                                                                                               | lF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Core neutronics characterization of the GFR2400 Gas Cooled Fast Reactor. Progress in Nuclear Energy, 2015, 83, 460-481.                                                               | 2.9 | 31        |
| 2  | A neutronic feasibility study on a small LEU fueled reactor for space applications. Annals of Nuclear Energy, 2015, 77, 35-46.                                                        | 1.8 | 14        |
| 3  | Comparison of thermal scattering processing options for S( $\hat{l}\pm,\hat{l}^2$ ) cards in MCNP. Annals of Nuclear Energy, 2013, 55, 18-22.                                         | 1.8 | 8         |
| 4  | On gas-cooled fast reactor designs – Nuclear data processing with sensitivity, uncertainty and similarity analyses. Progress in Nuclear Energy, 2020, 128, 103450.                    | 2.9 | 8         |
| 5  | Unmanned Radiation-Monitoring System. IEEE Transactions on Nuclear Science, 2020, 67, 636-643.                                                                                        | 2.0 | 8         |
| 6  | Optimization of the heterogeneous GFR 2400 control rod design. Progress in Nuclear Energy, 2017, 97, 170-181.                                                                         | 2.9 | 7         |
| 7  | The Mini Labyrinth Benchmark for Radiation Protection and Shielding Analysis. IEEE Transactions on Nuclear Science, 2022, 69, 745-752.                                                | 2.0 | 5         |
| 8  | Verification of spectral burn-up codes on 2D fuel assemblies of the GFR demonstrator ALLEGRO reactor. Nuclear Engineering and Design, 2014, 267, 148-153.                             | 1.7 | 4         |
| 9  | Cross section adjustment for fast reactor design: ATCROSS code and its application. Annals of Nuclear Energy, 2017, 110, 928-940.                                                     | 1.8 | 4         |
| 10 | RADIATION MONITORING SYSTEM USING UNMANNED AERIAL VEHICELS. Radiation Protection Dosimetry, 2019, 186, 337-341.                                                                       | 0.8 | 2         |
| 11 | Multigroup cross section library for GFR2400. EPJ Web of Conferences, 2017, 146, 09031.                                                                                               | 0.3 | 1         |
| 12 | Criticality safety validation of the SCALE system. AIP Conference Proceedings, 2018, , .                                                                                              | 0.4 | 1         |
| 13 | The VVER-440 burnup credit computational benchmark used for the SCALE system qualification. AIP Conference Proceedings, 2018, , .                                                     | 0.4 | 1         |
| 14 | Reactivity response analysis of a movable reflector system for the GFR 2400 core. AIP Conference<br>Proceedings, 2018, , .                                                            | 0.4 | 1         |
| 15 | Cross Section and Fission Yields Induced Uncertainty in the Water–Water Energetic Reactor-440<br>Burnup Calculation. Journal of Nuclear Engineering and Radiation Science, 2022, 8, . | 0.4 | 1         |
| 16 | Preliminary results of the STU mini labyrinth radiation shielding experiment. AIP Conference<br>Proceedings, 2021, , .                                                                | 0.4 | 1         |
| 17 | The Mini Labyrinth – a Simple Benchmark for Radiation Protection and Shielding Analysis. EPJ Web of Conferences, 2021, 253, 07013.                                                    | 0.3 | 1         |
| 18 | Estimation of the dose rate in the preparation phase of the neutron emission rate measurement. AIP Conference Proceedings, 2018, , .                                                  | 0.4 | 0         |

Åtefan ÄŒerba

| #  | Article                                                                                                                                                                                       | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Update of the SBJ_V2019T XS library for multi-group and continuous-energy MCNP calculations of VVER reactors. AIP Conference Proceedings, 2019, , .                                           | 0.4 | 0         |
| 20 | The measurement of diffusion length of demi water by neutron activation of foils vs. Helium-3 neutron detector. AIP Conference Proceedings, 2019, , .                                         | 0.4 | 0         |
| 21 | The simplified burnup benchmark based on the novovoronezh NPP fuel assembly. AIP Conference<br>Proceedings, 2019, , .                                                                         | 0.4 | 0         |
| 22 | Development and Processing of Thermal-Hydraulic Model for GFR 2400 Fast Reactor Design and NESTLE<br>Coupled Transient Code. Journal of Nuclear Engineering and Radiation Science, 2022, 8, . | 0.4 | 0         |
| 23 | Implementation of engineering codes for WWER-440 core calculations. Journal of Electrical Engineering, 2019, 70, 52-57.                                                                       | 0.7 | 0         |
| 24 | Comparison of neutronic parameters for developed GFR 2400 cross-section library in NESTLE code. AIP Conference Proceedings, 2021, , .                                                         | 0.4 | 0         |
| 25 | Development and calibration of the units for dosimetry monitoring system. AIP Conference Proceedings, 2021, , .                                                                               | 0.4 | 0         |
| 26 | On the Taylor series solution of the reactor point kinetics equations. AIP Conference Proceedings, 2021, , .                                                                                  | 0.4 | 0         |