

# Å tefan ÄŒerba

## List of Publications by Year in descending order

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26  
papers

98  
citations

1478505

6  
h-index

1372567

10  
g-index

26  
all docs

26  
docs citations

26  
times ranked

60  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Processing of Thermal-Hydraulic Model for GFR 2400 Fast Reactor Design and NESTLE Coupled Transient Code. Journal of Nuclear Engineering and Radiation Science, 2022, 8, .	0.4	0
2	Cross Section and Fission Yields Induced Uncertainty in the Waterâ€“Water Energetic Reactor-440 Burnup Calculation. Journal of Nuclear Engineering and Radiation Science, 2022, 8, .	0.4	1
3	The Mini Labyrinth Benchmark for Radiation Protection and Shielding Analysis. IEEE Transactions on Nuclear Science, 2022, 69, 745-752.	2.0	5
4	Comparison of neutronic parameters for developed GFR 2400 cross-section library in NESTLE code. AIP Conference Proceedings, 2021, , .	0.4	0
5	Preliminary results of the STU mini labyrinth radiation shielding experiment. AIP Conference Proceedings, 2021, , .	0.4	1
6	Development and calibration of the units for dosimetry monitoring system. AIP Conference Proceedings, 2021, , .	0.4	0
7	On the Taylor series solution of the reactor point kinetics equations. AIP Conference Proceedings, 2021, , .	0.4	0
8	The Mini Labyrinth â€“ a Simple Benchmark for Radiation Protection and Shielding Analysis. EPJ Web of Conferences, 2021, 253, 07013.	0.3	1
9	On gas-cooled fast reactor designs â€“ Nuclear data processing with sensitivity, uncertainty and similarity analyses. Progress in Nuclear Energy, 2020, 128, 103450.	2.9	8
10	Unmanned Radiation-Monitoring System. IEEE Transactions on Nuclear Science, 2020, 67, 636-643.	2.0	8
11	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
12	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
13	The simplified burnup benchmark based on the novovoronezh NPP fuel assembly. AIP Conference Proceedings, 2019, , .	0.4	0
14	RADIATION MONITORING SYSTEM USING UNMANNED AERIAL VEHICELS. Radiation Protection Dosimetry, 2019, 186, 337-341.	0.8	2
15	Implementation of engineering codes for WWER-440 core calculations. Journal of Electrical Engineering, 2019, 70, 52-57.	0.7	0
16	Criticality safety validation of the SCALE system. AIP Conference Proceedings, 2018, , .	0.4	1
17	Estimation of the dose rate in the preparation phase of the neutron emission rate measurement. AIP Conference Proceedings, 2018, , .	0.4	0
18	The VVER-440 burnup credit computational benchmark used for the SCALE system qualification. AIP Conference Proceedings, 2018, , .	0.4	1

#	ARTICLE	IF	CITATIONS
19	Reactivity response analysis of a movable reflector system for the GFR 2400 core. AIP Conference Proceedings, 2018, , .	0.4	1
20	Optimization of the heterogeneous GFR 2400 control rod design. Progress in Nuclear Energy, 2017, 97, 170-181.	2.9	7
21	Cross section adjustment for fast reactor design: ATCROSS code and its application. Annals of Nuclear Energy, 2017, 110, 928-940.	1.8	4
22	Multigroup cross section library for GFR2400. EPJ Web of Conferences, 2017, 146, 09031.	0.3	1
23	Core neutronics characterization of the GFR2400 Gas Cooled Fast Reactor. Progress in Nuclear Energy, 2015, 83, 460-481.	2.9	31
24	A neutronic feasibility study on a small LEU fueled reactor for space applications. Annals of Nuclear Energy, 2015, 77, 35-46.	1.8	14
25	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
26	Comparison of thermal scattering processing options for $S(\hat{I}_{\pm}, \hat{I}^2)$ cards in MCNP. Annals of Nuclear Energy, 2013, 55, 18-22.	1.8	8