Patrick Jaffke

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3798260/publications.pdf

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20 papers	1,163 citations	623734 14 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	1113 citing authors

#	Article	IF	Citations
1	Fission fragment decay simulations with the CGMF code. Computer Physics Communications, 2021, 269, 108087.	7.5	40
2	Primary fission fragment mass yields across the chart of nuclides. Physical Review C, 2020, 101, .	2.9	48
3	Measurement of muon-induced high-energy neutrons from rock in an underground Gd-doped water detector. Physical Review C, 2020, 102, .	2.9	2
4	Using excitation-energy dependent fission yields to identify key fissioning nuclei in r-process nucleosynthesis. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 065202.	3.6	73
5	Prompt fission product yields in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mn>238</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>f</mml:mi> reaction. Physical Review C, 2019, 99, .	2.9	7
6	Correlated prompt fission data in transport simulations. European Physical Journal A, 2018, 54, 1.	2.5	56
7	Hauser-Feshbach fission fragment de-excitation with calculated macroscopic-microscopic mass yields. Physical Review C, 2018, 97, .	2.9	21
8	Identifying Inconsistencies in Fission Product Yield Evaluations with Prompt Neutron Emission. Nuclear Science and Engineering, 2018, 190, 258-270.	1.1	10
9	²³⁵U(n, f) Independent fission product yield and isomeric ratio calculated with the statistical Hauserâ€“Feshbach theory. Journal of Nuclear Science and Technology, 2018, 55, 1009-1023.	1.3	52
10	Developing Diagnostic Tools for Low-Burnup Reactor Samples. Physical Review Applied, 2017, 8, .	3.8	1
11	A search for cosmogenic production of Î²-neutron emitting radionuclides in water. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 821, 151-159.	1.6	9
12	Limits on Active to Sterile Neutrino Oscillations from Disappearance Searches in the MINOS, Daya Bay, and Bugey-3 Experiments. Physical Review Letters, 2016, 117, 151801.	7.8	71
13	Improved Search for a Light Sterile Neutrino with the Full Configuration of the Daya Bay Experiment. Physical Review Letters, 2016, 117, 151802.	7.8	65
14	Neutron Capture and the Antineutrino Yield from Nuclear Reactors. Physical Review Letters, 2016, 116, 122503.	7.8	18
15	Measurement of the Reactor Antineutrino Flux and Spectrum at Daya Bay. Physical Review Letters, 2016, 116, 061801.	7.8	161
16	New Measurement of Antineutrino Oscillation with the Full Detector Configuration at Daya Bay. Physical Review Letters, 2015, 115, 111802.	7.8	176
17	Antineutrino Reactor Safeguards: A Case Study of the DPRK 1994 Nuclear Crisis. Science and Global Security, 2015, 23, 20-47.	0.3	14
18	Antineutrino Monitoring for Heavy Water Reactors. Physical Review Letters, 2014, 113, 042503.	7.8	41

#	Article	IF	Citations
19	Search for a Light Sterile Neutrino at Daya Bay. Physical Review Letters, 2014, 113, 141802.	7.8	79
20	Spectral Measurement of Electron Antineutrino Oscillation Amplitude and Frequency at Daya Bay. Physical Review Letters, 2014, 112, 061801.	7.8	219