

Patrick Jaffke

List of Publications by Year in descending order

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Version: 2024-02-01

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	Spectral Measurement of Electron Antineutrino Oscillation Amplitude and Frequency at Daya Bay. Physical Review Letters, 2014, 112, 061801.	7.8	219
2	New Measurement of Antineutrino Oscillation with the Full Detector Configuration at Daya Bay. Physical Review Letters, 2015, 115, 111802.	7.8	176
3	Measurement of the Reactor Antineutrino Flux and Spectrum at Daya Bay. Physical Review Letters, 2016, 116, 061801.	7.8	161
4	Search for a Light Sterile Neutrino at Daya Bay. Physical Review Letters, 2014, 113, 141802.	7.8	79
5	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
6	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
7	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
8	Correlated prompt fission data in transport simulations. European Physical Journal A, 2018, 54, 1.	2.5	56
9	$^{235}\text{U}(n, f)$ Independent fission product yield and isomeric ratio calculated with the statistical Hauser-Feshbach theory. Journal of Nuclear Science and Technology, 2018, 55, 1009-1023.	1.3	52
10	Primary fission fragment mass yields across the chart of nuclides. Physical Review C, 2020, 101, .	2.9	48
11	Antineutrino Monitoring for Heavy Water Reactors. Physical Review Letters, 2014, 113, 042503.	7.8	41
12	Fission fragment decay simulations with the CGMF code. Computer Physics Communications, 2021, 269, 108087.	7.5	40
13	Hauser-Feshbach fission fragment de-excitation with calculated macroscopic-microscopic mass yields. Physical Review C, 2018, 97, .	2.9	21
14	Neutron Capture and the Antineutrino Yield from Nuclear Reactors. Physical Review Letters, 2016, 116, 122503.	7.8	18
15	Antineutrino Reactor Safeguards: A Case Study of the DPRK 1994 Nuclear Crisis. Science and Global Security, 2015, 23, 20-47.	0.3	14
16	Identifying Inconsistencies in Fission Product Yield Evaluations with Prompt Neutron Emission. Nuclear Science and Engineering, 2018, 190, 258-270.	1.1	10
17	A search for cosmogenic production of $^2\text{-neutron}$ 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
18	Prompt fission product yields in the $^{238}\text{U}(n, f)$ reaction. Physical Review C, 2019, 99, .	2.9	7

#	ARTICLE	IF	CITATIONS
19	Measurement of muon-induced high-energy neutrons from rock in an underground Gd-doped water detector. Physical Review C, 2020, 102, .	2.9	2
20	Developing Diagnostic Tools for Low-Burnup Reactor Samples. Physical Review Applied, 2017, 8, .	3.8	1