

Wuming Luo

List of Publications by Year in descending order

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17
papers

8,012
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

8319
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction of a muon bundle in the JUNO central detector. Nuclear Science and Techniques/Hewuli, 2022, 33, .	3.4	6
2	Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1.	4.7	39
3	Improving the energy uniformity for large liquid scintillator detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1001, 165287.	1.6	6
4	Vertex and energy reconstruction in JUNO with machine learning methods. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1010, 165527.	1.6	25
5	JUNO sensitivity to low energy atmospheric neutrino spectra. European Physical Journal C, 2021, 81, 1.	3.9	11
6	The design and sensitivity of JUNO's scintillator radiopurity pre-detector OSIRIS. European Physical Journal C, 2021, 81, 1.	3.9	15
7	Radioactivity control strategy for the JUNO detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
8	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	473
9	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 251.	3.9	541
10	Measurement of the cross section ratio $\frac{\sigma(\text{pp} \rightarrow \text{H} \rightarrow \text{ZZ})}{\sigma(\text{pp} \rightarrow \text{H} \rightarrow \text{ZZ})}$ using the $\text{H} \rightarrow \text{ZZ}$ decay channel. Physical Review D, 2014, 89, .	4.1	15
11	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
12	Search for the standard model Higgs boson produced in association with a W or Z boson and decaying to bottom quarks. Physical Review D, 2014, 89, .	4.7	161
13	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
14	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	320
15	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
16	Measurement of the $\sigma(\text{pp} \rightarrow \text{H} \rightarrow \text{ZZ})$ production cross section in pp collisions at $\sqrt{s}=7$ and 8 TeV. Physical Review D, 2014, 89, .	4.1	47
17	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	4.1	6,177