

Xu Feng

List of Publications by Year in descending order

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36
papers

1,404
citations

394421

19
h-index

414414

32
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36
all docs

36
docs citations

36
times ranked

1157
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-ion collider in China. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	208
2	NOx Emission Reduction and Recovery during COVID-19 in East China. <i>Atmosphere</i> , 2020, 11, 433.	2.3	160
3	Two particle states and the S-matrix elements in multi-channel scattering. <i>Journal of High Energy Physics</i> , 2005, 2005, 011-011.	4.7	141
4	Resonance parameters of the \bar{K}^* meson from lattice QCD. <i>Physical Review D</i> , 2011, 83, .	4.7	118
5	The scattering length from maximally twisted mass lattice QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 684, 268-274.	4.1	81
6	Joint lattice QCD dispersion theory analysis confirms the quark-mixing top-row unitarity deficit. <i>Physical Review D</i> , 2020, 101, .	4.7	79
7	Timelike pion form factor in lattice QCD. <i>Physical Review D</i> , 2015, 91, .	4.7	75
8	TWO PARTICLE STATES IN A BOX AND THE S-MATRIX IN MULTI-CHANNEL SCATTERING. <i>International Journal of Modern Physics A</i> , 2006, 21, 847-850.	1.5	70
9	Exploratory Lattice QCD Study of the Rare Kaon Decay $K \rightarrow \pi \ell \ell$. <i>Physical Review Letters</i> , 2017, 118, 252001.	7.8	52
10	First-Principles Calculation of Electroweak Box Diagrams from Lattice QCD. <i>Physical Review Letters</i> , 2020, 124, 192002.	7.8	39
11	Sensitivities of Ozone Air Pollution in the Beijing-Tianjin-Hebei Area to Local and Upwind Precursor Emissions Using Adjoint Modeling. <i>Environmental Science & Technology</i> , 2021, 55, 5752-5762.	10.0	35
12	Parton distribution functions of K on the lattice. <i>Physical Review D</i> , 2020, 102, .	4.7	34
13	Lattice QCD Study of Transverse-Momentum Dependent Soft Function. <i>Physical Review Letters</i> , 2022, 128, 062002.	7.8	30
14	Prospects for a lattice computation of rare kaon decay amplitudes. II. $K \rightarrow \pi \ell \ell$ decays. <i>Physical Review D</i> , 2016, 93, .	4.7	25
15	First exploratory calculation of the long-distance contributions to the rare kaon decays $K \rightarrow \pi \ell \ell$. <i>Physical Review D</i> , 2016, 93, .	4.7	24
16	Light-Neutrino Exchange and Long-Distance Contributions to $K \rightarrow \pi \ell \ell$ Decays: An Exploratory Study on $K \rightarrow \pi \ell \ell$. <i>Physical Review D</i> , 2016, 93, .	7.8	22
17	QED self-energies from lattice QCD without power-law finite-volume errors. <i>Physical Review D</i> , 2019, 100, .	4.7	21
18	Long-distance contributions to neutrinoless double beta decay $0^+ \rightarrow 0^+$. <i>Physical Review D</i> , 2019, 100, .	4.7	21

#	ARTICLE	IF	CITATIONS
19	New method for calculating electromagnetic effects in semileptonic beta-decays of mesons. Journal of High Energy Physics, 2020, 2020, 1.	4.7	21
20	Lattice QCD calculation of the electroweak box diagrams for the kaon semileptonic decays. Physical Review D, 2021, 103, .	4.7	19
21	Lattice QCD calculation of the pion charge radius using a model-independent method. Physical Review D, 2020, 101, .	4.7	15
22	$K \rightarrow \pi \ell^+ \ell^-$ decay amplitude from. Physical Review D, 2018, 98, .	4.7	14
23	Lattice QCD study of the rare kaon decay $K \rightarrow \pi^0 \ell^+ \ell^-$ at a near-physical pion mass. Physical Review D, 2019, 100, .	4.7	12
24	Finite-volume formalism in the $2\pi \rightarrow \pi\pi$ transition: An application to the lattice QCD calculation of double beta decays. Physical Review D, 2021, 103, .	4.7	12
25	Lattice QCD Calculation of the Pion Mass Splitting. Physical Review Letters, 2022, 128, 052003.	7.8	12
26	Including electromagnetism in $K \rightarrow \pi \ell^+ \ell^-$ decay calculations. EPJ Web of Conferences, 2018, 175, 13016.	0.3	10
27	Finite-volume effects in long-distance processes with massless leptonic propagators. Physical Review D, 2021, 103, .	4.7	8
28	Lattice QCD Calculation of the Two-Photon Exchange Contribution to the Muonic-Hydrogen Lamb Shift. Physical Review Letters, 2022, 128, 172002.	7.8	8
29	Lattice QCD calculation of $K \rightarrow \pi \ell^+ \ell^-$ decay amplitude. Physical Review D, 2022, 105, .	4.7	7
30	Field sparsening for the construction of the correlation functions in lattice QCD. Physical Review D, 2021, 103, .	4.7	6
31	Aerosol presence reduces the diurnal temperature range: an interval when the COVID-19 pandemic reduced aerosols revealing the effect on climate. Environmental Science Atmospheres, 0, , .	2.4	6
32	Novel Soft-Pion Theorem for Long-Range Nuclear Parity Violation. Physical Review Letters, 2018, 120, 181801.	7.8	5
33	Lattice QCD calculation of the two-photon contributions to $K_L \rightarrow \mu^+ \mu^-$ and $\pi^0 \rightarrow e^+ e^-$ decays. , 2020, , .		5
34	Recent progress in applying lattice QCD to kaon physics. EPJ Web of Conferences, 2018, 175, 01005.	0.3	4
35	Electromagnetic corrections to leptonic pion decay from lattice QCD using infinite-volume reconstruction method. , 2020, , .		4
36	Progress in the exploratory calculation of the rare kaon decays $K \rightarrow \pi \ell^+ \ell^-$. , 2017, , .		1