

Xiao-Rui Lyu

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

5,567
citations

147801

31
h-index

76900

74
g-index

93
all docs

93
docs citations

93
times ranked

2701
citing authors

#	ARTICLE	IF	CITATIONS
19	Measurement of Proton Electromagnetic Form Factors in $e^+e^- \rightarrow p\bar{p}$ annihilation. <i>Physical Review Letters</i> , 2020, 124, 042001.	7.8	60
20	Cross sections for hard exclusive electroproduction of mesons on a hydrogen target. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 659, 486-492.	4.1	50
21	Partial wave analysis of $J/\psi \rightarrow \pi^+\pi^-\pi^0$ decay. <i>Physical Review D</i> , 2013, 87, .		
22	Observation of a π^0 , mass threshold enhancement in $J/\psi \rightarrow \pi^+\pi^-\pi^0$ decay. <i>Chinese Physics C</i> , 2010, 34, 421-426.	3.7	43
23	Determination of the number of π^0 events at BESIII. <i>Chinese Physics C</i> , 2013, 37, 063001.	3.7	42
24	Measurement of azimuthal asymmetries with respect to both beam charge and transverse target polarization in exclusive electroproduction of real photons. <i>Journal of High Energy Physics</i> , 2008, 2008, 066-066.	4.7	38
25	Observation of $J/\psi \rightarrow \pi^+\pi^-\pi^0$ decay at center-of-mass energy $\sqrt{s} = 4.009$ GeV. Precision measurements of $B \rightarrow \pi^+\pi^-\pi^0$ decay.	4.7	38
26			

#	ARTICLE	IF	CITATIONS
37	Study of the near-threshold $\bar{D}^* \rightarrow \bar{D}^* \pi^0$ mass enhancement in doubly OZI-suppressed $\bar{D}^* \rightarrow \bar{D}^* \pi^0$ decays. Physical Review Letters, 2016, 117, 232002.	4.7	26
38	Measurement of Singly Cabibbo Suppressed Decays $\bar{D}^* \rightarrow \bar{D}^* \pi^0$. Physical Review Letters, 2016, 117, 232002.	7.8	25
39	Precision measurement of the mass of the τ lepton. Physical Review D, 2014, 90, 072002.	4.7	24
40	Observation of the Leptonic Decay $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$ and $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$ into Vector Meson Pairs $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$. Physical Review Letters, 2014, 112, 251801.	7.8	23
41	Observation of the Leptonic Decay $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$ and $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$ into Vector Meson Pairs $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$. Physical Review Letters, 2014, 112, 251801.	7.8	23
42	Evidence for $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$ Decays into $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$ and $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$. Physical Review Letters, 2014, 112, 251801.	7.8	22
43	Observation of $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$ Decays into $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$ and $\tau \rightarrow \nu_\tau \nu_\mu \nu_e$. Physical Review Letters, 2014, 112, 251801.	7.8	22
44	Determination of Strong-Phase Parameters in $\bar{D}^* \rightarrow \bar{D}^* \pi^0$. Physical Review Letters, 2020, 124, 241802.	7.8	21
45	Study of $\bar{D}^* \rightarrow \bar{D}^* \pi^0$ at BESIII. Physical Review D, 2018, 97, 072002.	4.7	20
46	First observation of the isospin violating decay $\bar{D}^* \rightarrow \bar{D}^* \pi^0$. Physical Review Letters, 2014, 112, 251801.	4.7	19
47	Measurement of the Absolute Branching Fraction of the Inclusive Semileptonic $\bar{D}^* \rightarrow \bar{D}^* \pi^0$. Physical Review Letters, 2014, 112, 251801.	7.8	19
48	Observation of a structure at $\sqrt{s} \approx 1.84$ GeV in $\bar{D}^* \rightarrow \bar{D}^* \pi^0$. Physical Review Letters, 2014, 112, 251801.		

#	ARTICLE	IF	CITATIONS
55	Measurements of baryon pair decays of Λ_c^+ mesons. Physical Review D, 2013, 87, .	4.7	16
56	Search for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ decays. Physical Review D, 2013, 87, .	4.7	16
57	Amplitude analysis of the $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$ decays. Physical Review D, 2014, 89, .	4.7	15
58	Observation of electromagnetic Dalitz decays $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$. Physical Review D, 2014, 89, .	4.7	15
59	Evidence for the decays of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ and $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma \gamma$. Chinese Physics C, 2019, 43, 083002.	3.7	15
60	Partial wave analysis of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$. Physical Review D, 2013, 88, .	4.7	14
61	Evidence for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ decays. Physical Review D, 2013, 88, .	4.7	14
62	Higher-order multipole amplitude measurement in $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$. Physical Review D, 2011, 84, .	4.7	13
63	Search for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ decays. Physical Review D, 2013, 87, .	4.7	13
64	Search for baryonic decays of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ and $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma \gamma$. Physical Review D, 2013, 87, .	4.7	11
65	Evidence for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ decays. Physical Review D, 2013, 87, .	4.7	11
66	Search for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ decays. Physical Review D, 2013, 87, .	4.7	10
67	Charmed baryon decay asymmetry in $e^+ e^- \rightarrow \Lambda_c^+ \pi^-$ annihilation. Chinese Physics C, 2017, 41, 023106.	3.7	10
68	Measurement of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ decays. Physical Review D, 2013, 87, .	4.7	9
69	Evidence for the Direct Two-Photon Transition from $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma \gamma$. Physical Review Letters, 2012, 109, 172002.	7.8	9
70	Search for the lepton flavor violation process $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$. BESIII. Physical Review D, 2013, 87, .	4.7	9
71	Search for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ decays. Physical Review D, 2013, 87, .	4.7	9
72	Search for $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$ decays and measurement of $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \gamma$. Physical Review D, 2013, 87, .	4.7	9

#	ARTICLE	IF	CITATIONS
73	Transverse polarization of Λ^0 hyperons from quasireal photoproduction on nuclei. Physical Review D, 2014, 90, .	4.7	9
74	Search for $\Lambda^0 \rightarrow p \pi^-$ decays into vector meson pairs. Physical Review D, 2011, 84, .	4.7	8
75	Measurements of the branching fractions for $\Lambda^0 \rightarrow p \pi^-$ and $\Lambda^0 \rightarrow n \pi^0$ decays. Physical Review D, 2011, 83, .	4.7	8
76	Study of the efficiency of event start time determination at BESIII. Chinese Physics C, 2014, 38, 016201.	3.7	8
77	Search for the rare decays $\Lambda^0 \rightarrow p \pi^- \pi^0$ and $\Lambda^0 \rightarrow n \pi^+ \pi^-$. Physical Review D, 2014, 89, .	4.7	8
78	Search for CP and P violating pseudoscalar decays into $\Lambda^0 \rightarrow p \pi^-$. Physical Review D, 2011, 84, .	4.7	7
79	First observation of the decays $\Lambda^0 \rightarrow p \pi^- \pi^0$ and $\Lambda^0 \rightarrow n \pi^+ \pi^-$. Physical Review D, 2011, 83, .	4.7	7
80	Collimated quasi-monoenergetic electron beam generation from intense laser solid interaction. High Energy Density Physics, 2013, 9, 578-582.	1.5	7
81	Simultaneous least squares fitter based on the Lagrange multiplier method. Chinese Physics C, 2013, 37, 106201.	3.7	7
82	Discrete contribution to $\Lambda^0 \rightarrow p \pi^-$. Physical Review D, 2011, 83, .	4.7	6
83	Measurement of $\Lambda^0 \rightarrow p \pi^-$ decays into the $\Lambda^0 \rightarrow p \pi^-$ decays. Physical Review D, 2011, 83, .	4.7	6
84	Observation of $\Lambda^0 \rightarrow p \pi^-$ decays into the $\Lambda^0 \rightarrow p \pi^-$ decays. Physical Review D, 2011, 83, .	4.7	5
85	Observation of the decay $\Lambda^0 \rightarrow p \pi^-$ into the $\Lambda^0 \rightarrow p \pi^-$ decays. Physical Review D, 2012, .	4.7	5
86	Amplitude analysis and branching fraction measurement of the decay $\Lambda^0 \rightarrow p \pi^-$. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
87	A novel method to test particle ordering and final state alignment in helicity formalism *. Chinese Physics C, 2021, 45, 063103.	3.7	4
89	Publisher's Note: Measurements of baryon pair decays of Λ^0 mesons [Phys. Rev. D 87, 032007 (2013)]. Physical Review D, 2013, 87, .	4.7	3
90	Study of $\Lambda^0 \rightarrow p \pi^-$ decays. Physical Review D, 2013, 87, .	4.7	3

