

Zhen-Jun Xiao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4731496/publications.pdf>

Version: 2024-02-01

111
papers

1,894
citations

257450

24
h-index

361022

35
g-index

111
all docs

111
docs citations

111
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Semileptonic decays $B_c \rightarrow \hat{a}^+ (\hat{1}^-, J/\psi) \hat{1}^{1/2}$ in the perturbative QCD approach. Chinese Physics C, 2013, 37, 093102.	3.7	83
2	Semileptonic decays $B/B_s \rightarrow \hat{a}^+ (\hat{1}^-, k) (\hat{1}^{1/2}, \hat{1}^{1/2}) \hat{1}^{1/2}$ in the perturbative QCD approach beyond the leading order. Physical Review D, 2012, 86, .	4.7	81
3	Branching ratio and CP asymmetry of $B_s \rightarrow \hat{a}^+ \hat{1}^0$ decays in the perturbative QCD approach. Physical Review D, 2004, 70, .	4.7	75
4	Revisiting the pure annihilation decays $B_c \rightarrow s \hat{a}^+$ and $B_c \rightarrow c \hat{a}^+$ in the perturbative QCD approach. Physical Review D, 2010, 81, .	4.7	69
5	Quasi-two-body decays $B_c \rightarrow \hat{a}^+ \hat{1}^0$ and $B_c \rightarrow \hat{a}^+ \hat{1}^0$ in the perturbative QCD approach. Physical Review D, 2014, 89, .	4.7	58
6	Pure annihilation type $B_c \rightarrow M_2 M_3$ decays in the perturbative QCD approach. Physical Review D, 2010, 81, .	4.7	50
7	Semileptonic decays $B_c \rightarrow \hat{a}^+ D^{(*)} D^0 (\hat{a}^0) \hat{1}^{1/2}$ in the perturbative QCD factorization approach. Science Bulletin, 2014, 59, 125-132.	1.7	39
8	Branching ratio and CP asymmetry of decays in the perturbative QCD approach. Nuclear Physics B, 2006, 738, 243-268.	2.5	38
9	Branching ratio and CP asymmetry of $B_c \rightarrow \hat{a}^+ \hat{1}^0 (\hat{a}^0)$ decays in the perturbative QCD approach. Physical Review D, 2006, 73, .	4.7	37
10	Form factors in $B_c \rightarrow \hat{a}^+ \hat{1}^0$ decays in the perturbative QCD approach. Physical Review D, 2014, 89, .	4.7	34
11	Rare decays $B_c \rightarrow D^{(*)} \hat{a}^0$ and $B_c \rightarrow D^{(*)} \hat{a}^0$ in perturbative QCD approach. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 273-281.	3.6	33
12	The two-body hadronic decays of B_c meson in the perturbative QCD approach: a short review. Science Bulletin, 2014, 59, 3748-3759.	1.7	31
13	The S-wave resonance contributions to the three-body decays $B_c \rightarrow \eta_c \pi^+ \pi^-$ in perturbative QCD approach. European Physical Journal C, 2016, 76, 1.	3.9	30
14	Quasi-two-body decays $B(s) \rightarrow \hat{a}^+ \hat{1}^0 (1450), \hat{a}^+ \hat{1}^0 (1700) \hat{a}^+ \hat{1}^0$ in the perturbative QCD approach. Physical Review D, 2017, 96, .	4.7	30
15	Relativistic corrections to the form factors of $B_c \rightarrow c \hat{a}^+$ into S -wave charmonium. Physical Review D, 2017, 95, .	4.7	30
16	Charmless $B_c \rightarrow PV, VV$ decays and new physics effects in the minimal supergravity model. Physical Review D, 2005, 72, .	4.7	28
17	The quasi-two-body decays $B_c \rightarrow \hat{a}^+ \hat{1}^0$ in the perturbative QCD approach. Physical Review D, 2014, 89, .	4.7	28
18			

#	ARTICLE	IF	CITATIONS
19	<p>Implications on $\langle \mathcal{B} \rightarrow \mathcal{B}' \ell \ell \rangle$ decays and effects of next-to-leading order contributions in the perturbative QCD approach. Physical Review D, 2013, 87, .</p> <p>Study of $B \rightarrow \mathcal{B}' \ell \ell$ decays and effects of next-to-leading order contributions in the perturbative QCD approach. Physical Review D, 2013, 87, .</p>	4.7	27
20	<p>Anatomy of $B \rightarrow \mathcal{B}' \ell \ell$ decays and effects of next-to-leading order contributions in the perturbative QCD factorization approach. Nuclear Physics B, 2018, 935, 17-39.</p>	4.7	27
21	<p>Quasi-two-body decays $B \rightarrow \mathcal{B}' \ell \ell$. European Physical Journal C, 2019, 79, 1.</p>	3.9	27
22	<p>Anatomy of $B \rightarrow \mathcal{B}' \ell \ell$ decays and effects of next-to-leading order contributions in the perturbative QCD factorization approach. Nuclear Physics B, 2018, 935, 17-39.</p>	2.5	26
23	<p>The semileptonic decays of B/B_s meson in the perturbative QCD approach: a short review. Science Bulletin, 2014, 59, 3787-3800.</p>	1.7	25
24	<p>Light scalar mesons and charmless hadronic $B \rightarrow \mathcal{B}' \ell \ell$ decays in the perturbative QCD approach. Physical Review D, 2010, 82, .</p>	4.7	24
25	<p>Study of $B \rightarrow \mathcal{B}' \ell \ell$ decays and effects of next-to-leading order contributions in the perturbative QCD approach. Physical Review D, 2013, 87, .</p>		

#	ARTICLE	IF	CITATIONS
37	Time-like pion electromagnetic form factors in $B \rightarrow \pi \ell^+ \ell^-$ decays with the next-to-leading-order twist-3 contribution. Physics Letters, Section B: Nuclear, Elementary Particle and Hadron Physics, 2017, 749, 1-7.	4.1	18
38	Resolving the $B \rightarrow K \ell^+ \ell^-$ puzzle by Glauber-gluon effects. Physical Review D, 2016, 93, .	4.7	18
39	Quasi-two-body decays $B(s) \rightarrow P_2(1270) \pi^0 \ell^+ \ell^-$ in the perturbative QCD approach. Physical Review D, 2018, 98, .	4.7	18
40	$B \rightarrow K^* \ell^+ \ell^-$ decays and new physics effects in the general two-Higgs-doublet model: An update. Physical Review D, 2002, 65, .	4.7	17
41	$B \rightarrow \rho^0 \ell^+ \ell^-$ and $\rho^-(\ell^+ \ell^-)$ decays in the perturbative QCD approach. Physical Review D, 2007, 75, .	4.7	17
42	Studies on charmless hadronic $B_c \rightarrow AV(VA)$ decays in the perturbative QCD approach. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 035009.	3.6	17
43	Branching ratio and CP asymmetry of $B_s \rightarrow \rho^0 \ell^+ \ell^-$ decays in the perturbative QCD approach. Physical Review D, 2007, 75, .	4.7	16
44	Branching ratio and CP-asymmetry of $B_s \rightarrow \rho^0 K$ decays in the perturbative QCD approach. European Physical Journal C, 2007, 50, 363-371.	3.9	16
45	Transversely polarized $B \rightarrow K^* \ell^+ \ell^-$ decays with Glauber gluons in the perturbative QCD approach. Physical Review D, 2015, 91, .	4.7	16
46	Quasi-two-body decays $B \rightarrow c(1S, 2S) [\rho^-(770), \rho^-(1450), \rho^-(1700)] \ell^+ \ell^-$ in the perturbative QCD approach. Nuclear Physics B, 2017, 924, 745-758.	2.5	16
47	Branching ratios, CP asymmetries and polarizations of $B \rightarrow \rho^0(2S) V \ell^+ \ell^- (2S) V$ decays. European Physical Journal C, 2017, 77, 1.	3.9	16
48	Branching ratios and CP-violating asymmetries of $B_s \rightarrow h_1 h_2$ decays in the general two-Higgs-doublet models. Physical Review D, 2001, 64, .	4.7	15
49	Charmless $B \rightarrow PP$ decays and new physics effects in the minimal supergravity model. Physical Review D, 2004, 70, .	4.7	15
50	$B \rightarrow K^* K^*$ decays in the perturbative QCD approach. Physical Review D, 2007, 75, .	4.7	15
51	Improved perturbative QCD formalism for $B \rightarrow S \ell^+ \ell^-$ meson decays. Physical Review D, 2016, 94, .	4.7	15
52	$B \rightarrow P S$ and $B \rightarrow D P$ -wave resonance contributions to $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D, 2019, 99, .	4.7	15
53	Quasi-two-body decays $B \rightarrow K^*(892) \ell^+ \ell^- \pi$ in the perturbative QCD approach. European Physical Journal C, 2019, 79, 1.	3.9	14
54	Exclusive $B \rightarrow (K^*, \rho) \gamma$ decays in general two-Higgs-doublet models. European Physical Journal C, 2004, 33, 349-368.	3.9	13

#	ARTICLE	IF	CITATIONS
55	<p>Searches for top-Higgs FCNC couplings via the $W \rightarrow h \rightarrow j \gamma$ signal with $h \rightarrow \tau^+ \tau^-$ at the LHC. Physical Review D, 2014, 89, .</p> <p>Semileptonic decays $B_c \rightarrow \tau^+ D(s) [(1+\frac{1}{2} L + \frac{1}{2} R , \frac{1}{2} L + \frac{1}{2} R)]$ in the perturbative QCD approach. Physical Review D, 2014, 90, .</p>	4.7	13
56	<p>Searches for top-Higgs FCNC couplings via the $W \rightarrow h \rightarrow j \gamma$ signal with $h \rightarrow \tau^+ \tau^-$ at the LHC. Physical Review D, 2014, 89, .</p>	4.7	13
57	<p>Searches for the FCNC couplings from top-Higgs associated production signal with $h \rightarrow \tau^+ \tau^-$ at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 458-464.</p>	4.1	12
58	<p>Quasi-two-body decays $B \rightarrow D(s) [(1770), (1450), (1700)]$ in the perturbative QCD factorization approach. Nuclear Physics B, 2018, 926, 584-601.</p>	2.5	12
59	<p>Anatomy of $B \rightarrow \tau^+ \tau^- PV$ decays and effects of next-to-leading order contributions in the perturbative QCD factorization approach. Nuclear Physics B, 2018, 931, 79-104.</p>	2.5	12
60	<p>Semileptonic decays $B \rightarrow (D^{(*)}, D_s^{(*)}) u_l]$ in the PQCD approach with the lattice QCD input. Chinese Physics C, 2020, 44, 053102.</p>	3.7	12
61	<p>NLO contributions to $B \rightarrow K^* K^*$ decays in the pQCD approach. European Physical Journal C, 2009, 59, 49-66.</p>	3.9	11
62	<p>Branching ratios and CP violations of $B \rightarrow K^* (1430) K^*$ decays in the perturbative QCD approach. Physical Review D, 2013, 88, .</p>	4.7	11
63	<p>P-wave contributions to $B(s) \rightarrow K^* K^*$ decays in perturbative QCD approach. Chinese Physics C, 2020, 44, 073102.</p>	3.7	11
64	<p>Weak decays of bottom-charm baryons: $B_{bc} \rightarrow B_{bc} P$. European Physical Journal C, 2021, 81, 1.</p>	3.9	11
65	<p>Branching ratios and CP asymmetries of $B_{u/d/s} \rightarrow K_0^{*} (1430) \overline{K}^* (1430)$ decays in the pQCD approach. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 025002.</p>	3.6	10
66	<p>Revisiting the K^* puzzle in the pQCD factorization approach. Chinese Physics C, 2014, 38, 033101.</p>	3.7	10
67	<p>Phenomenological studies on the $B_{d,s} \rightarrow \tau^+ f_0(500) [f_0(980)]$ decays. Physical Review D, 2019, 100, .</p>	4.7	10
68	<p>Searches for top-Higgs FCNC couplings via the $W \rightarrow h \rightarrow j \gamma$ signal with $h \rightarrow \tau^+ \tau^-$ at the LHC. Physical Review D, 2014, 89, .</p>	4.7	9
69	<p>The NLO contributions to the scalar pion form factors and the $B \rightarrow \tau^+ \tau^-$ decays. Physical Review D, 2014, 89, .</p>	4.7	9
70	<p>Axial-vector $f_1(1285) \rightarrow f_1(1420)$ mixing and $B \rightarrow \tau^+ f_1(1285), f_1(1420)$ decays. Physical Review D, 2014, 89, .</p>	4.7	9
71	<p>The NLO contributions to the scalar pion form factors and the $B \rightarrow \tau^+ \tau^-$ decays. Physical Review D, 2014, 89, .</p>	2.5	9
72	<p>Nonleptonic decays of $B \rightarrow \tau^+ \tau^-$ decays. Physical Review D, 2014, 89, .</p>		

#	ARTICLE	IF	CITATIONS
73	Nonleptonic charmless decays of $B \rightarrow B_c \gamma$ in the perturbative QCD approach. Physical Review D, 2017, 96, .	4.7	9
74	Weak decays of B_c into two hadrons under flavor SU(3) symmetry. European Physical Journal C, 2018, 78, 1.	3.9	9
75	Next-to-leading-logarithm k resummation for $B \rightarrow \pi \ell^+ \ell^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135892.	4.1	9
76	Study of $B_{(s)} \rightarrow (\pi \pi) (\pi \pi)$ decays in the perturbative QCD approach. European Physical Journal C, 2021, 81, 1.	3.9	9
77	The productions of the top-pions and top-Higgs associated with the charm quark at the hadron colliders. European Physical Journal C, 2007, 51, 891-897.	3.9	8
78	Perturbative QCD factorization of $B \rightarrow \pi \ell^+ \ell^-$ decays. Physical Review D, 2014, 90, .	4.7	8
79	$B \rightarrow \pi \ell^+ \ell^-$ decays in the perturbative QCD approach. Physical Review D, 2014, 90, .	4.7	8
80	Rho-pion transition form factors in the $B \rightarrow \pi \ell^+ \ell^-$ decays. Physical Review D, 2018, 97, .	4.7	8
81	The PQCD approach towards to next-to-leading order: A short review. Frontiers of Physics, 2021, 16, 1.	5.0	8
82	Inclusive η' production in B decays and the enhancement due to charged technipions. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, L85-L89.	3.6	7
83	Production and decays of a light \tilde{I}_0 in the LRTH model under the LHC Higgs data. Journal of High Energy Physics, 2014, 2014, 1.	4.7	7
84	Next-to-leading order QCD calculation of $B_c \rightarrow B_c \gamma$ to charmonium tensor form factors. Physical Review D, 2022, 105, .	4.7	7
85	$B \rightarrow \pi \ell^+ \ell^-$ decays and the effects of next-to-leading order contributions in the perturbative QCD approach. Physical Review D, 2014, 90, .	4.7	6
86	Penguin-dominated $B \rightarrow \pi \ell^+ \ell^-$ decays and the effects of next-to-leading order contributions in the perturbative QCD approach. Physical Review D, 2014, 90, .	4.7	6
87	Large non-factorizable contributions in $B \rightarrow \pi \ell^+ \ell^-$ decays. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 045001.	3.6	6
88	Study of $B_s \rightarrow K^{(*)} \ell^+ \ell^-$ decays in the PQCD factorization approach with lattice QCD input. Physical Review D, 2020, 102, .	4.7	6
89	Left-right twin Higgs model confronted with the latest LHC Higgs data. Physical Review D, 2014, 89, .	4.7	5
90	The three body decays $B \rightarrow \pi \ell^+ \ell^-$ in perturbative QCD approach. Nuclear Physics A, 2014, 930, 117-130.	1.5	5

#	ARTICLE	IF	CITATIONS
91	Single Higgs boson production at the ILC in the left-right twin Higgs model. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 065005.	3.6	5
92	Perturbative QCD factorization of $\Gamma(B \rightarrow \pi^0 \ell^+ \ell^-)$. Physical Review D, 2016, 93, . Revisiting the factorization theorem for $B \rightarrow \pi^0 \ell^+ \ell^-$	4.7	5
93	Resonant contributions to three-body $B \rightarrow \pi^0 \ell^+ \ell^-$ decays in the perturbative QCD approach. Physical Review D, 2015, 91, 074011.	4.7	5
94	Double Charm Decays of B Mesons in mSUGRA Model. Communications in Theoretical Physics, 2011, 56, 125-133.	2.5	4
95	Charmless hadronic $B \rightarrow \pi^0 \ell^+ \ell^-$ decays in the perturbative QCD approach. Physical Review D, 2015, 91, 074011.	4.7	4
96	Resonant contributions to three-body $B \rightarrow \pi^0 \ell^+ \ell^-$ decays in the perturbative QCD approach. Physical Review D, 2015, 91, 074011.	4.7	4
97	Double Charm Decays of B Mesons in mSUGRA Model. Communications in Theoretical Physics, 2011, 56, 125-133.	2.5	4

#	ARTICLE	IF	CITATIONS
109	The next-to-leading order corrections to $\tilde{\chi}$ -meson electromagnetic form factors in the k factorization approach. Nuclear Physics B, 2019, 949, 114782.	2.5	1
110	The loop effects on the chargino decays $\tilde{\chi}_1^\pm \rightarrow \tilde{\chi}_1^0 f f'$ in the MSSM. Science Bulletin, 2014, 59, 1968-1977. Hadronic decays of $\tilde{\chi}_1^\pm$	1.7	0
111	$\tilde{\chi}_1^\pm \rightarrow \tilde{\chi}_1^0 f f'$ Hadronic decays of $\tilde{\chi}_1^\pm$ in the MSSM. Science Bulletin, 2014, 59, 1968-1977.		