

Feng-Kun Guo

List of Publications by Year in descending order

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175
papers

7,420
citations

44069

48
h-index

58581

82
g-index

178
all docs

178
docs citations

178
times ranked

2170
citing authors

#	ARTICLE	IF	CITATIONS
1	Hadronic molecules. Reviews of Modern Physics, 2018, 90, .	45.6	836
2	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	384
3	Dynamically generated χ mesons. Physical Review D, 2007, 75, 014004. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:cb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-cite/dtd" xmlns:xlink="http://www.w3.org/1999/xlink"/></small>	4.1	227
4	Electron-ion collider in China. Frontiers of Physics, 2021, 16, 1.	5.0	208
5	Consequences of heavy-quark symmetries for hadronic molecules. Physical Review D, 2013, 88, .	4.7	201
6	How to reveal the exotic nature of the P_c states. Physical Review D, 2015, 92, 014004. <small>display="inline"><math>P_c</math></small></small>	4.7	198
7	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	176
8	Threshold cusps and triangle singularities in hadronic reactions. Progress in Particle and Nuclear Physics, 2020, 112, 103757.	14.4	169
9	Interactions of charmed mesons with light pseudoscalar mesons from lattice QCD and implications on the nature of the D_s^* states. Physical Review D, 2017, 95, 014004. <small>display="inline"><math>D_s^*</math></small></small>	4.7	168
10	Bound state nature of the exotic Z_b states. European Physical Journal A, 2011, 47, 1.	2.5	129
11	Discussion on triangle singularities in the χ meson production. Physical Review D, 2017, 95, 014004. <small>display="inline"><math>\chi</math></small></small>	4.7	121
12	Interactions between heavy mesons and Goldstone bosons from chiral dynamics. European Physical Journal A, 2009, 40, 171-179.	2.5	120
13	Dynamically generated 1^+ heavy mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 647, 133-139.	4.1	118
14	Effect of charmed meson loops on charmonium transitions. Physical Review D, 2011, 83, .	4.7	106
15	Spectroscopy and decays of the fully-heavy tetraquarks. European Physical Journal C, 2018, 78, 1.	3.9	100
16	A survey of heavy χ mesons. Communications in Theoretical Physics, 2021, 73, 125201.	2.5	99
17	Production of the χ mesons. Physical Review D, 2017, 95, 014004. <small>display="inline"><math>\chi</math></small></small>	4.7	97
18	Interpretation of the LHCb χ mesons as Hadronic Molecules and Hints of a Narrow χ meson. Physical Review D, 2017, 95, 014004. <small>display="inline"><math>\chi</math></small></small>	7.8	97

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19	Could the near-threshold X X Y Z states be simply kinematic effects?. Physical Review D, 2015, 91, .	4.7	95
20	Isospin breaking decays as a diagnosis of the hadronic molecular structure of the P_c states. Physical Review D, 2015, 92, .	4.7	92
21	Subleading contributions to the width of the P_c states. Physical Review D, 2015, 92, .	4.1	89
22	Implications of Heavy-Quark Spin Symmetry on Heavy-Meson Hadronic Molecules. Physical Review Letters, 2009, 102, 242004.	7.8	84
23	Confirming the molecular nature of the P_c states. Physical Review Letters, 2017, 118, 022001.	4.7	71
24	The pole structure of the P_c states. Physical Review Letters, 2017, 118, 022001.	4.7	71
25	High-Energy Physics, 2017, 767, 465-469.	4.7	71
26	New insights into the neutron electric dipole moment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 42-47.	4.1	70
27	Explaining the Many Threshold Structures in the Heavy-Quark Hadron Spectrum. Physical Review Letters, 2021, 126, 152001.	7.8	69
28	Wave open charm vector $Z(3900)$: What has been really seen?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 337-342.	4.7	67
29	Light meson mass dependence of the positive-parity heavy-strange mesons. European Physical Journal A, 2011, 47, 1.	2.5	65
30	Where is the P_c state? Physical Review Letters, 2017, 118, 022001.	4.7	65
31	Employing spin symmetry to disentangle different models for the P_c states. Physical Review D, 2015, 92, .	4.7	62
32	Remarks on the P_c structures and triangle singularities. European Physical Journal A, 2016, 52, 1.	2.5	62
33	Extraction of the Light Quark Mass Ratio from the Decays $P_c \rightarrow \Lambda_c \gamma$. Physical Review D, 2014, 89, .	4.7	60
34	Disentangling the hadronic molecule nature of the $P_c(4380)$ pentaquark-like structure. Nuclear Physics A, 2016, 954, 393-405.	1.5	56

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37	Selected Science Opportunities for the EicC. Few-Body Systems, 2020, 61, 1.	1.5	56
38	Electric Dipole Moment of the Neutron from 2+1 Flavor Lattice QCD. Physical Review Letters, 2015, 115, 062001.	7.8	55
39	How the $X(5568)$ Challenges Our Understanding of QCD. Communications in Theoretical Physics, 2016, 65, 593-595.	2.5	54
40	Interplay of quark and meson degrees of freedom in near-threshold states: A practical parametrization for line shapes. Physical Review D, 2016, 93, .	4.7	54
41	Decays of P_c into J/ψ and N . $\text{arXiv:1608.03266 [hep-th]}$	4.7	54
42	Coupled-channel approach to T_{cc} including three-body effects. Physical Review D, 2022, 105, .	4.7	54
43	Z_{bc} and Z_{bc}^* as Λ_{cb} and Λ_{cb}^* partners of the $X(3872)$. Physical Review D, 2015, 91, 074004.	4.7	52
44	Decay widths of the spin-2 partners of the $X(3872)$. European Physical Journal C, 2015, 75, 1.	3.9	50
45	More kaonic bound states and a comprehensive interpretation of the D_{s1} . Physical Review D, 2011, 84, .	4.7	49
46	Baryon electric dipole moments from strong CP violation. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
47	Decay behaviors of the P_{cc} . $\text{arXiv:1608.03266 [hep-th]}$	4.7	49
48	Coupled-Channel Interpretation of the LHCb Double-Charmed Baryon Spectrum and Hints of a New State Near J/ψ . Physical Review D, 2018, 98, .	7.8	49
49	Strong and radiative decays of the D_{s0}^* (2317) and D_{s1} (2460). European Physical Journal A, 2014, 50, 1.	2.5	48
50	S wave $K\bar{K}$ scattering and effects of \bar{K}^0 in. Nuclear Physics A, 2006, 773, 78-94.	1.5	47
51	Novel analysis of the decays $\bar{K}^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2010, 82, .	4.7	45
52	Isospin splittings of doubly heavy baryons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 251-255.	4.1	45
53	One-loop analysis of the interactions between charmed mesons and Goldstone bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	45
54	On the nature of near-threshold bound and virtual states. European Physical Journal A, 2021, 57, 1.	2.5	45

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55	Revisiting the nature of the Pc pentaquarks. Journal of High Energy Physics, 2021, 2021, 1.	4.7	45
56	What can radiative decays of the X (3872) teach us about its nature?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 394-398.	4.1	44
57	Novel Method for Precisely Measuring the X	7.8	44
58	Role of a triangle singularity in the $X(3872)$ radiative decays. Physical Review C, 2017, 95, .	3.9	41
59	Towards a new paradigm for heavy-light meson spectroscopy. Physical Review D, 2018, 98, .	4.7	41
60	Study of the $f_2(1270)$, $f_2(1525)$, $f_0(1370)$ and $f_0(1710)$ in the J/ψ radiative decays. European Physical Journal A, 2010, 44, 305-311.	2.5	40
61	Reconciling the $X(3872)$ and $X(4140)$ states. Physical Review D, 2015, 91, .	4.7	40
62	Detecting the long-distance structure of the $X(3872)$. European Physical Journal C, 2014, 74, 1.	3.9	40
63	Deciphering the mechanism of near-threshold J/ψ photoproduction. European Physical Journal C, 2020, 80, 1.	3.9	39
64	Production of the bottom analogs and the spin partner of the X(3872) at hadron colliders. European Physical Journal C, 2014, 74, 1.	3.9	36
65	Study of open-charm $0^+ + 0^+$ states in unitarized chiral effective theory with one-loop potentials. European Physical Journal C, 2017, 77, 1.	3.9	36
66	Remarks on study of $X(3872)$ production at hadron colliders and its molecular structure. Physical Review D, 2015, 91, .	3.9	36
67	Heavy-antiquark diquark symmetry and heavy hadron molecules: Are there triply heavy pentaquarks?. Physical Review D, 2013, 88, .	4.7	33
68	Production of Charged Heavy Quarkonium-Like States at the LHC and Tevatron. Communications in Theoretical Physics, 2014, 61, 354-358.	2.5	33
69	Note on $X(3872)$ production at hadron colliders and its molecular structure. Chinese Physics C, 2017, 41, 121001.	3.7	32
70	Generalized positivity bounds on chiral perturbation theory. Journal of High Energy Physics, 2020, 2020, 1.	4.7	32
71	Anomalous decays of $X(3872)$ and a possible \bar{D}^* resonance in the $X(3872)$ radiative decays. Physical Review D, 2012, 85, .	4.7	29
72	Triangle singularity and a possible \bar{D}^* resonance in the $X(3872)$ radiative decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 108-113.	4.1	29

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73	Quark mass dependence of the pion vector form factor. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 90-96. Effect of Z on $b \rightarrow c$ transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 90-96.	4.1	28
74	Effect of Z on $b \rightarrow c$ transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 90-96. Heavy quarkonium transitions and a possible state. Nuclear Physics A, 2005, 761, 269-282.	4.7	28
75	Heavy quarkonium transitions and a possible state. Nuclear Physics A, 2005, 761, 269-282. Aspects of the low-energy constants in the chiral Lagrangian for charmed mesons. Physical Review D, 2016, 94, .	4.7	28
76	Aspects of the low-energy constants in the chiral Lagrangian for charmed mesons. Physical Review D, 2016, 94, .	3.9	28
77	Heavy quarkonium transitions and a possible state. Nuclear Physics A, 2005, 761, 269-282.	1.5	26
78	Aspects of the low-energy constants in the chiral Lagrangian for charmed mesons. Physical Review D, 2016, 94, .	4.7	26
79	Exploring Possible Triangle Singularities in the $\hat{b} \rightarrow \hat{c} \hat{u} \hat{d}$ Decay. Symmetry, 2020, 12, 1611. Coupled-channel effects of the $\hat{b} \rightarrow \hat{c} \hat{u} \hat{d}$ Decay. Symmetry, 2020, 12, 1611.	2.2	25
80	Coupled-channel effects of the $\hat{b} \rightarrow \hat{c} \hat{u} \hat{d}$ Decay. Symmetry, 2020, 12, 1611. One loop renormalization of the electroweak chiral Lagrangian with a light Higgs boson. Physical Review D, 2015, 92, .	4.7	25
81	One loop renormalization of the electroweak chiral Lagrangian with a light Higgs boson. Physical Review D, 2015, 92, .	4.7	23
82	Is the existence of a J/ψ state plausible?. Science Bulletin, 2021, 66, 2462-2470.	10.0	23
83	Effective range expansion for narrow near-threshold resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137290.	4.1	23
84	Cumulants of the QCD topological charge distribution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 278-282.	4.1	22
85	Mass splittings within heavy baryon isospin multiplets in chiral perturbation theory. Journal of High Energy Physics, 2008, 2008, 136-136.	4.7	21
86	Tetraquarks, hadronic molecules, meson-meson scattering, and disconnected contributions in lattice QCD. Physical Review D, 2013, 88, .	4.7	21
87	Light Quark Mass Dependence in Heavy Quarkonium Physics. Physical Review Letters, 2012, 109, 062001.	7.8	20
88	Extracting S -wave scattering lengths from cusp effect in heavy quarkonium dipion transitions. European Physical Journal C, 2013, 73, 1.	3.9	20
89	New spectrum of negative-parity doubly charmed baryons: Possibility of two quasistable states. Physical Review D, 2018, 98, .	4.7	20
90	Extracting the Light Quark Mass Ratio m_u/m_d . Bottomonia Transitions. Physical Review Letters, 2010, 105, 162001.	7.8	19

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109	Implications of chiral symmetry on S -wave pionic resonances and the scalar charmed mesons. Physical Review D, 2019, 99, .	4.7	12
110	Triangle singularities in $J/\psi \rightarrow \pi^+ \pi^- \pi^0$ and $J/\psi \rightarrow \pi^+ \pi^- \pi^0 \pi^0$. Physical Review D, 2019, 100, .	4.7	12
111	Revisiting X and χ . Physical Review D, 2019, 100, .	4.7	12
112	On the structure of the J/ψ invariant mass spectra of the $J/\psi \rightarrow \pi^+ \pi^- \pi^0$ and $J/\psi \rightarrow \pi^+ \pi^- \pi^0 \pi^0$ decays. Physical Review D, 2019, 100, .	4.7	12

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127	<p>Production of the spin partner of the $\Lambda(1520)$ Hadronic Atom as a Key to Revealing the $\Lambda(1520)$ Structure. <i>Physical Review Letters</i>, 2021, 126, 1.</p> <p>Production of the spin partner of the $\Lambda(1520)$ Hadronic Atom as a Key to Revealing the $\Lambda(1520)$ Structure. <i>Physical Review Letters</i>, 2021, 126, 1.</p>	7.8	8
128	<p>Near Threshold Structures and Hadronic Molecules. <i>Few-Body Systems</i>, 2021, 62, 1.</p> <p>Near Threshold Structures and Hadronic Molecules. <i>Few-Body Systems</i>, 2021, 62, 1.</p>	1.5	8
129	<p>Extraction of ND scattering lengths from the $\Lambda(1520)$ decay and properties of the $\Lambda(1520)$. <i>Physics Letters B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2020, 808, 135623.</p> <p>Extraction of ND scattering lengths from the $\Lambda(1520)$ decay and properties of the $\Lambda(1520)$. <i>Physics Letters B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2020, 808, 135623.</p>	4.1	7
130	<p>Chromopolarizabilities of bottomonia from the $\Upsilon(10000)$ decay. <i>Physical Review D</i>, 2021, 103, 1.</p> <p>Chromopolarizabilities of bottomonia from the $\Upsilon(10000)$ decay. <i>Physical Review D</i>, 2021, 103, 1.</p>		
131	<p>Chromopolarizabilities of bottomonia from the $\Upsilon(10000)$ decay. <i>Physical Review D</i>, 2021, 103, 1.</p> <p>Chromopolarizabilities of bottomonia from the $\Upsilon(10000)$ decay. <i>Physical Review D</i>, 2021, 103, 1.</p>		

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145	Constraints on disconnected contributions in $\pi\pi$ scattering. Journal of High Energy Physics, 2019, 2019, 1.	4.7	2
146			2
147	$D \rightarrow p \bar{p}$ and $D \rightarrow p \bar{p} + \pi^0$ hadronic atom and its production in $\pi\pi$ scattering. Journal of High Energy Physics, 2019, 2019, 1.	4.7	2
148	Pion axioproduction: The $\pi^0 \rightarrow \pi^+ \pi^-$ resonance contribution. Physical Review D, 2022, 105, .	4.7	2
149	Long-distance structure of the X(3872). Journal of Physics: Conference Series, 2014, 556, 012015.	0.4	1
150	Recent Developments in Chiral Unitary Theory and Triangle Singularities Involving Baryons. Few-Body Systems, 2018, 59, 1.	1.5	1
151	Effects of Z_b states in $\Upsilon(3S, 4S)$ dipion transitions. , 2018, , .		1
152	Quark mass dependence of the pion vector form factor. , 2009, , .		1
153	HEAVY QUARKONIUM $\Upsilon_c + \bar{\Upsilon}_c$ TRANSITIONS AND A POSSIBLE $\bar{b}q\bar{q}$ STATE. International Journal of Modern Physics A, 2005, 20, 1893-1896.	1.5	0
154	SOME THEORETICAL ISSUES OF HADRON PRODUCTIONS AND PROPERTIES FROM J/ψ DECAYS. International Journal of Modern Physics A, 2005, 20, 1712-1719.	1.5	0
155	Heavy quarkonium PP transitions and effects of $\hat{\pi}^0$ and a possible $b\bar{b}, qq$, state. AIP Conference Proceedings, 2006, , .	0.4	0
156	0^+ and 1^+ heavy mesons in heavy chiral unitary approach. Nuclear Physics A, 2007, 790, 477c-480c.	1.5	0
157	Heavy quark spin symmetry and heavy hadronic molecules. , 2011, , .		0
158	Quark mass dependence of light and heavy systems. , 2011, , .		0
159	HEAVY QUARK SYMMETRIES AND HEAVY MESON MOLECULES. International Journal of Modern Physics Conference Series, 2014, 26, 1460070.	0.7	0
160	The Nature of Near-Threshold XYZ States. , 2016, , .		0
161	Hadronic molecules with hidden charm and bottom. EPJ Web of Conferences, 2016, 130, 01027.	0.3	0
162	Detecting the long-distance structure of the X(3872). Nuclear and Particle Physics Proceedings, 2016, 273-275, 2708-2710.	0.5	0

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163	$Z_c(3900)$: Experiment, Theory, Lattice. , 2017, , .		0
164	Nonrelativistic effective field theory for meson-loop effects in heavy quarkonia. , 2013, , .		0
165	Heavy Quark Symmetries: Molecular partners of the $X(3872)$ and $Z_b(10610)/Z_b(10650)$. EPJ Web of Conferences, 2014, 73, 03009.	0.3	0
166	Interactions of Charmed Mesons with Light Pseudoscalar Mesons from Lattice QCD and Implications on the Nature of the $D_{s1}^*(2317)$. , 2014, , .		0
167	One-loop corrections to the Higgs EW chiral Lagrangian. , 2016, , .		0
168	Scalar form factors of semi-leptonic D_{s1}^*/K transitions with coupled-channel effects. , 2018, , .		0
169	Triangle Singularities in the $\Lambda_b \rightarrow J/\Psi K^-\pi$ Reaction. , 2018, , .		0
170	Exotic hadron $X(3872)$ and a novel method for precisely measuring its mass. Chinese Science Bulletin, 2019, 64, 2263-2264.	0.7	0
171	Light-quark components analysis and the nature of the $\Upsilon(4260)$. , 2020, , .		0
172	Decays of P_c into $J/\psi N$ and $\psi(3723)N$ with heavy quark spin symmetry. , 2020, , .		0
173	Decoding the nature of the pentaquark states from LHCb. , 2020, , .		0
174	Triangle singularity in $J/\psi \rightarrow \psi(3723) \pi^0$. , 2020, , .		0
175	Role of $N^*(1535)$ in the $\Lambda_c^+ \rightarrow K^0 \pi^+$ decay and the possible $\tilde{N}_{\pi p}$ state in the $\Lambda_c^+ \rightarrow \tilde{N}_{\pi p}$ decay. EPJ Web of Conferences, 2020, 241, 02010.	0.3	0