

Feng-Kun Guo

List of Publications by Year in descending order

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Version: 2024-02-01

175
papers

7,420
citations

44069

48
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58581

82
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178
all docs

178
docs citations

178
times ranked

2170
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled-channel approach to T including three-body effects. Physical Review D, 2022, 105, .	4.7	54
2	hadronic atom and its production in $p\bar{p}$ and $p\bar{p}$ collisions. Physical Review D, 2022, 105, .	4.7	2
3	Pion axioproduction. The resonance contribution. Physical Review D, 2022, 105, .	4.7	2
4	Update on strong and radiative decays of the $D_{s1}^*(2317)$ and $D_{s1}^*(2460)$ and their bottom cousins. European Physical Journal A, 2022, 58, .	2.5	11
5	Generalization of Weinberg's compositeness relations. Physical Review D, 2022, 105, .	4.7	14
6	Combined analysis of the Z spectrum and hints of a new state near 3900 MeV. Physical Review D, 2022, 105, .	4.7	18
7	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
8	Graphic method for arbitrary n-body phase space. Science Bulletin, 2021, 66, 653-656.	9.0	6
9	On the nature of near-threshold bound and virtual states. European Physical Journal A, 2021, 57, 1.	2.5	45
10	Coupled-Channel Interpretation of the LHCb Double-Charmed Meson Spectrum and Hints of a New State Near 3900 MeV. Physical Review Letters, 2021, 126, 152001.	7.8	49
11	Explaining the Many Threshold Structures in the Heavy-Quark Hadron Spectrum. Physical Review Letters, 2021, 126, 152001.	7.8	69
12	Two-meson form factors in unitarized chiral perturbation theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
13	Strange molecular partners of the Z meson. Physical Review Letters, 2021, 126, 192001.	4.7	52
14	Where Is the Lightest Charmed Scalar Meson?. Physical Review Letters, 2021, 126, 192001.	7.8	19
15	Electron-ion collider in China. Frontiers of Physics, 2021, 16, 1.	5.0	208
16	Hadronic Atom as a Key to Revealing the X Meson. Physical Review Letters, 2021, 126, 192001.	7.8	8
17	Near Threshold Structures and Hadronic Molecules. Few-Body Systems, 2021, 62, 1.	1.5	8
18	Revisiting the nature of the P_c pentaquarks. Journal of High Energy Physics, 2021, 2021, 1.	4.7	45

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19	The axion-baryon coupling in SU(3) heavy baryon chiral perturbation theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
20	A survey of heavy hadronic molecules. Communications in Theoretical Physics, 2021, 73, 125201.	2.5	99
21	Semi-inclusive lepto-production of hidden-charm exotic hadrons *. Chinese Physics C, 2021, 45, 123101.	3.7	10
22	Is the existence of a state plausible? Science Bulletin, 2021, 66, 2462-2470. http://www.w3.org/1998/Math/MathML	4.0	23
23	QCD \hat{I}_1 -vacuum energy and axion properties. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
24	Extraction of ND scattering lengths from the $\hat{I} \hat{\Lambda} \hat{\Lambda}^+ \hat{\Lambda}^0$ decay and properties of the $\hat{I} \hat{\Sigma} (2800)^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135623.	4.1	7
25	Selected Science Opportunities for the EicC. Few-Body Systems, 2020, 61, 1.	1.5	56
26	Triangle singularity in the $B \hat{\Lambda}^+ \hat{K}^0 X(3872)$ reaction and sensitivity to the $X(3872)$ mass. Physical Review D, 2020, 101, .	4.7	17
27	Exploring Possible Triangle Singularities in the $\hat{I} \hat{B} \hat{\Lambda}^+ \hat{K}^0 \hat{J} / \hat{I} \hat{B}$ Decay. Symmetry, 2020, 12, 1611.	2.2	25
28	Generalized positivity bounds on chiral perturbation theory. Journal of High Energy Physics, 2020, 2020, 1.	4.7	32
29	Deciphering the mechanism of near-threshold $\$J/\psi\$$ photoproduction. European Physical Journal C, 2020, 80, 1.	3.9	39
30	Revisiting $X(3872)$ as Hadronic Molecules and Hints of a Narrow States	4.7	12
31	New parametrization of the form factors in $B \hat{\Lambda}^+ \hat{D}_s^+$, $\hat{I} \hat{B} \hat{D}_s^+$ decays. Physical Review D, 2020, 101, .	4.7	5
32	Threshold cusps and triangle singularities in hadronic reactions. Progress in Particle and Nuclear Physics, 2020, 112, 103757.	14.4	169
33	Interpretation of the LHCb as Hadronic Molecules and Hints of a Narrow States	7.8	97
34	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	176
35	Photoproduction of hidden-bottom pentaquark and related topics. Physical Review D, 2020, 101, .	4.7	18

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37	Precision calculation of the axion-nucleon coupling in chiral perturbation theory. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
38	Possible precise measurements of the $X(3872)$ mass with the $e^+e^- \rightarrow \hat{1}^3X(3872)$ and $pp \rightarrow \hat{1}^3X(3872)$ reactions. Physical Review D, 2020, 102, .	4.7	10
39	Light-quark components analysis and the nature of the $Y(4260)$. , 2020, , .		0
40	Decays of P_c into $J/\psi N$ and $\hat{1}^3N$ with heavy quark spin symmetry. , 2020, , .		0
41	Decoding the nature of the pentaquark states from LHCb. , 2020, , .		0
42	Triangle singularity in $J/\psi \rightarrow \hat{1}^3 \psi(3700) \rightarrow \psi(3700) \psi(3700)$. , 2020, , .		0
43	Role of $N^*(1535)$ in the $\hat{1}^3+c \hat{1}^3 \rightarrow K^0 \hat{1}^3 p$ decay and the possible $\hat{1}^3_{,,p}$ state in the $\hat{1}^3+c \hat{1}^3 \rightarrow \hat{1}^3_{,,p}$ decay. EPJ Web of Conferences, 2020, 241, 02010.	0.3	0
44	Implications of chiral symmetry on S -wave pionic resonances and the scalar charmed mesons. Physical Review D, 2019, 99, .	4.7	12
45	Aspects of the QCD $\hat{1}^3$ -vacuum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
46	Decays of P_c into $J/\psi N$ and $\hat{1}^3 N$ with heavy quark spin symmetry. Physical Review D, 2019, 99, .	4.7	54
47	Decays of P_c into $J/\psi N$ and $\hat{1}^3 N$ with heavy quark spin symmetry. Physical Review D, 2019, 99, .		

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55	Triangle singularities in $J/\psi \rightarrow \pi^+ \pi^- \pi^0$ and $\psi(3722) \rightarrow \pi^+ \pi^- \pi^0$. <i>Physical Review D</i> , 2019, 100, .	4.7	12
56	The Belle II Physics Book. <i>Progress of Theoretical and Experimental Physics</i> , 2019, 2019, .	6.6	384
57	Exotic hadron $X(3872)$ and a novel method for precisely measuring its mass. <i>Chinese Science Bulletin</i> , 2019, 64, 2263-2264.	0.7	0
58	Addendum to: Aspects of the QCD \hat{I}_1 -vacuum. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	5
59	Hadronic molecules. <i>Reviews of Modern Physics</i> , 2018, 90, .	45.6	836
60	Novel Soft-Pion Theorem for Long-Range Nuclear Parity Violation. <i>Physical Review Letters</i> , 2018, 120, 181801.	7.8	5
61	Heavy-to-light scalar form factors from Muskhelishvili's dispersion relations. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	8
62	Disentangling the role of the $Y(4260)$ in $e^+e^- \rightarrow D_s^+ D_s^- \pi^0$ and $D_s^+ D_s^- \pi^+$ via line shape studies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 402-408.	4.1	12
63	Interactions between vector mesons and dynamically generated resonances. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	28
64	New spectrum of negative-parity doubly charmed baryons: Possibility of two quasistable states. <i>Physical Review D</i> , 2018, 98, .	4.7	20
65	Towards a new paradigm for heavy-light meson spectroscopy. <i>Physical Review D</i> , 2018, 98, .	4.7	41
66	Spectroscopy and decays of the fully-heavy tetraquarks. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	100
67	Recent Developments in Chiral Unitary Theory and Triangle Singularities Involving Baryons. <i>Few-Body Systems</i> , 2018, 59, 1.	1.5	1
68			2
69	Effects of Z_b states in $Upsilon(3S, 4S)$ dipion transitions. , 2018, , .		1
70	Scalar form factors of semi-leptonic $D_{(s)}$ transitions with coupled-channel effects. , 2018, , .		0
71	Triangle Singularities in the $\Lambda_b \rightarrow J/\psi K^+ p$ Reaction. , 2018, , .		0
72	Two-pole structure of the $D_{(s)}$ transitions with coupled-channel effects. <i>High-Energy Physics</i> , 2017, 767, 465-469.		4

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73	Role of a triangle singularity in the $\Lambda^3\text{p}$ reaction. Physical Review C, 2017, 95, .	2.9	41
74	$Z_c(3900)$: Experiment, Theory, Lattice. , 2017, , .		0
75	One-loop renormalization of the chiral Lagrangian for spinless matter fields in the SU(N) fundamental representation. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 014001.	3.6	10
76	Effects of Z_c states and bottom meson loops on $\Lambda^3\text{p}$ reaction. Physical Review C, 2017, 95, .	4.7	28
77	Decay behaviors of the P_c hadronic molecules. Physical Review D, 2017, 95, .	4.7	49
78	Connected and disconnected contractions in pion-pion scattering. Nuclear Physics B, 2017, 922, 480-498.	2.5	11
79	Triangle singularity and a possible $\Lambda^3\text{p}$ resonance in the $\Lambda^3\text{p}$ reaction. Physical Review C, 2017, 95, .	4.1	29
80	Study of open-charm $\Lambda^3\text{p}$ states in unitarized chiral effective theory with one-loop potentials. European Physical Journal C, 2017, 77, 1.	3.9	36
81	On the constituent counting rule for hard exclusive processes involving multi-quark states. Chinese Physics C, 2017, 41, 053108.	3.7	11
82	Note on $X(3872)$ production at hadron colliders and its molecular structure. Chinese Physics C, 2017, 41, 121001.	3.7	32
83	The Nature of Near-Threshold XYZ States. , 2016, , .		0
84	Hadronic molecules with hidden charm and bottom. EPJ Web of Conferences, 2016, 130, 01027.	0.3	0
85	How the $X(5568)$ Challenges Our Understanding of QCD. Communications in Theoretical Physics, 2016, 65, 593-595.	2.5	54
86	Hindered magnetic dipole transitions between P-wave bottomonia and coupled-channel effects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 417-421.	4.1	3
87	Effect of Z_c states on $\Lambda^3\text{p}$ reaction. Physical Review C, 2016, 93, .	4.7	121
88	Effect of Z_c states on $\Lambda^3\text{p}$ reaction. Physical Review C, 2016, 93, .	4.7	28
89	Physic 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
90	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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91	Aspects of the low-energy constants in the chiral Lagrangian for charmed mesons. Physical Review D, 2016, 94, .	4.7	26
92	Subtraction of power counting breaking terms in chiral perturbation theory: spinless matter fields. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
93	Remarks on the P_c structures and triangle singularities. European Physical Journal A, 2016, 52, 1.	2.5	62
94	Disentangling the hadronic molecule nature of the $P_c(4380)$ pentaquark-like structure. Nuclear Physics A, 2016, 954, 393-405.	1.5	56
95	Z(3900): What has been really seen?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 337-342.	4.1	66
96	One-loop corrections to the Higgs EW chiral Lagrangian. , 2016, , .		0
97	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
98	Employing spin symmetry to disentangle different models for the $X(3900)$ states. Physical Review D, 2015, 92, .	4.7	62
99	\hat{I}_1 -dependence of the lightest meson resonances in QCD. Physical Review D, 2015, 92, .	4.7	2
100	One loop renormalization of the electroweak chiral Lagrangian with a light Higgs boson. Physical Review D, 2015, 92, .	4.7	23
101	Electric Dipole Moment of the Neutron from $2+1$ Flavor Lattice QCD. Physical Review Letters, 2015, 115, 062001.	7.8	55
102	How to reveal the exotic nature of the $X(3900)$. Physical Review Letters, 2015, 115, 062001.	4.7	198
103	One-loop analysis of the interactions between charmed mesons and Goldstone bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	45
104	Decay widths of the spin-2 partners of the $X(3872)$. European Physical Journal C, 2015, 75, 1.	3.9	50
105	Production Cross-Section Estimates for Strongly-Interacting Electroweak-Symmetry Breaking Sector Resonances at Particle Colliders. Communications in Theoretical Physics, 2015, 64, 701-709.	2.5	9
106	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
107	Production of the spin partner of the $X(3872)$. Physical Review D, 2015, 92, .	4.1	7
108	Remarks on study of $X(3872)$. Physical Review D, 2015, 91, .		

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109	Could the near-threshold X and Y states be simply kinematic effects?. Physical Review D, 2015, 91, .	4.7	95
110	Hidden charm and bottom molecular states. Hyperfine Interactions, 2015, 234, 125-132.	0.5	2
111	Bound states on the lattice with partially twisted boundary conditions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	14
112	Production of Charged Heavy Quarkonium-Like States at the LHC and Tevatron. Communications in Theoretical Physics, 2014, 61, 354-358.	2.5	33
113	Enhanced breaking of heavy quark spin symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 172-177.	4.1	17
114	Y -wave open charm vector 4260 (0^0) T_{jETQq0} (0^0) $rgBT$ /Overlock 10 Tf 50 542 Td (stretchy="false")	4.7	67
115	Y -wave open charm vector 4260 (1^0) T_{jETQq1} (1^0) $rgBT$ /Overlock 10 Tf 50 497 Td (stretchy="false") interpretation. Physical Review D, 2014, 89, .	4.7	116
116	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
117	Strong and radiative decays of the $D_{s0}^*(2317)$ and $D_{s1}(2460)$. European Physical Journal A, 2014, 50, 1.	2.5	48
118	Finite-volume corrections to the CP-odd nucleon matrix elements of the electromagnetic current from the QCD vacuum angle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 163-168.	4.1	13
119	$X(3872)$ (1^0) T_{jETQq1} (1^0) $rgBT$ /Overlock 10 Tf 50 342 Td (stretchy="false")	4.1	17
120	Production of charm-strange hadronic molecules at the LHC. Journal of High Energy Physics, 2014, 2014, 1.	4.7	17
121	Detecting the long-distance structure of the $X(3872)$ ($X(3872)$). European Physical Journal C, 2014, 74, 1.	3.9	40
122	Long-distance structure of the $X(3872)$. Journal of Physics: Conference Series, 2014, 556, 012015.	0.4	1
123	HEAVY QUARK SYMMETRIES: MOLECULAR PARTNERS OF THE $X(3872)$ AND $Z_{\{b\}}(10610)/Z_{\{b\}}'(10650)$. International Journal of Modern Physics Conference Series, 2014, 26, 1460073.	0.7	2
124	HEAVY QUARK SYMMETRIES AND HEAVY MESON MOLECULES. International Journal of Modern Physics Conference Series, 2014, 26, 1460070.	0.7	0
125	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
126	Interactions of Charmed Mesons with Light Pseudoscalar Mesons from Lattice QCD and Implications on the Nature of the $D_{s0}^{*(2317)}$. , 2014, , .		0

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127	Hadron physics potential of future high-luminosity B-factories at the $\Upsilon(5S)$ and above. European Physical Journal A, 2013, 49, 1.	2.5	19
128	Production of the $X(3872)$ in $B \rightarrow T_j \text{ETQ} q_0$ decays. Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 127-133.	3.9	20
129	Extracting S -wave scattering lengths from cusp effect in heavy quarkonium dipion transitions. European Physical Journal C, 2013, 73, 1.	3.9	20
130	Confirming the molecular nature of the $X(3872)$ in $B \rightarrow T_j \text{ETQ} q_0$ decays. Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 127-133.	3.9	20
131	Interactions of charm mesons with light pseudoscalar mesons from lattice QCD and implications on the nature of the $X(3872)$. Physical Review D, 2013, 88, .	4.7	201
132	Consequences of heavy-quark symmetries for hadronic molecules. Physical Review D, 2013, 88, .	4.7	201
133	Heavy-antiquark diquark symmetry and heavy hadron molecules: Are there triply heavy pentaquarks?. Physical Review D, 2013, 88, .	4.7	33
134	Tetraquarks, hadronic molecules, meson-meson scattering, and disconnected contributions in lattice QCD. Physical Review D, 2013, 88, .	4.7	21
135	Nonrelativistic effective field theory for meson-loop effects in heavy quarkonia. , 2013, , .		0
136	Examining Coupled-Channel Effects in Radiative Charmonium Transitions. Physical Review Letters, 2012, 108, 112002.	7.8	8
137	Where is the $\Upsilon(5S)$ cusp? Physical Review Letters, 2012, 108, 112002.	7.8	8
138	Anomalous decays of $\Upsilon(5S)$ into four pions. Physical Review D, 2012, 85, .	4.7	29
139	Light Quark Mass Dependence in Heavy Quarkonium Physics. Physical Review Letters, 2012, 109, 062001.	7.8	20
140	Baryon electric dipole moments from strong CP violation. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
141	Heavy quark spin symmetry and heavy hadronic molecules. , 2011, , .		0
142	When hadrons become unstable: A novel type of non-analyticity in chiral extrapolations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 703, 510-515.	4.1	10
143	Light meson mass dependence of the positive-parity heavy-strange mesons. European Physical Journal A, 2011, 47, 1.	2.5	65
144	Bound state nature of the exotic Z_b states. European Physical Journal A, 2011, 47, 1.	2.5	129

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163	<p>Significant contributions to the width of the $\Lambda(1520)$ resonance. <i>Journal of High-Energy Physics</i>, 2008, 666, 251-255.</p> <p>Mass splittings within heavy baryon isospin multiplets in chiral perturbation theory. <i>Journal of High Energy Physics</i>, 2008, 2008, 136-136.</p>	4.4	78
164	Mass splittings within heavy baryon isospin multiplets in chiral perturbation theory. <i>Journal of High Energy Physics</i> , 2008, 2008, 136-136.	4.7	21
165	0+ and 1+ heavy mesons in heavy chiral unitary approach. <i>Nuclear Physics A</i> , 2007, 790, 477c-480c.	1.5	0
166	Dynamically generated 1+ heavy mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 647, 133-139.	4.1	118
167	On the structure of the $\Lambda(1520)$ invariant mass spectra of the $\Lambda(1520)$ resonance. <i>Journal of High-Energy Physics</i> , 2007, 647, 133-139.		