Tom Steele

List of Publications by Year
in descending order

52 papers	1,167 citations	361413 20 h-index	377865 34 g-index
53 all docs	53 docs citations	53 times ranked	871 citing authors

#	Article	IF	Citations
1	Mixing of X and Y states from QCD sum rules analysis *. Chinese Physics C, 2022, 46, 063102.	3.7	2
2	Correlations between the strange quark condensate, strange quark mass, and kaon PCAC relation. Physical Review D, 2021, 103, .	4.7	4
3	Universal Scale Factors: A Bridge Between Chiral Lagrangians and QCD Sum-Rules. Nuclear and Particle Physics Proceedings, 2021, 312-317, 73-77.	0.5	0
4	The Bridge Between Chiral Lagrangians and QCD Sum-Rules. Nuclear and Particle Physics Proceedings, 2020, 309-311, 119-123.	0.5	1
5	Transformation of scalar couplings between Coleman-Weinberg and MS schemes. Physical Review D, 2020, 102, .	4.7	3
6	Is the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Y</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2175</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 532 Td (stretchy="false">)</m	4.7	13
7	Axial vector <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>c</mml:mi><mml:mi>c</mml:mi></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>b</mml:mi><mml:mi>b</mml:mi></mml:math> diquark masses from QCD Laplace sum rules. Physical Review D, 2019, 100, .	4.7	7
8	Vector and scalar mesons' mixing from QCD sum rules. Journal of High Energy Physics, 2019, 2019, 1.	4.7	0
9	QCD sum-rules analysis of vector (1^{--}) heavy quarkonium meson-hybrid mixing. Physical Review D, 2018, 97, .	4.7	7
10	Doubly hidden-charm/bottom QQQQ tetraquark states. EPJ Web of Conferences, 2018, 182, 02028.	0.3	14
11	Meson-hybrid mixing in JPC=1++ heavy quarkonium from QCD sum rules. Physical Review D, 2018, 98, .	4.7	8
12	Ground State Mass Predictions of Heavy-Light Hybrids from QCD Sum-Rule Analysis (J P €=€{0 ± ,1 ± }). Nuclear and Particle Physics Proceedings, 2018, 294-296, 75-80.	0.5	1
13	Heavy Quarkonium (1 $^{--}$) Meson-Hybrid Mixing from QCD Sum Rules. Nuclear and Particle Physics Proceedings, 2018, 294-296, 81-86.	0.5	0
14	Mass calculations of light quarkonium, exotic JPC=0+$^{-}$ hybrid mesons from Gaussian sum rules. Physical Review D, 2018, 98, .	4.7	13
15	Phase structure of completely asymptotically free SU(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (xmlns:mml= models with quarks and scalar quarks. Physical Review D, 2018, 97, .	4.7	22
16	Constraint on the light quark mass <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>m</mml:mi><mml:mi>q</mml:mi></mml:msub></mml:math> from QCD sum rules in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>I</mml:mi><mml:mo>=</mml:mo><mml:mn>0</mml:mn></mml:math> scalar channel. Physical Review D, 2017, 96, .	4.7	5
17	Investigation of the light four-quark states with exotic JPC=0^{--}. Physical Review D, 2017, 95, .	4.7	14
18	Hunting for exotic doubly hidden-charm/bottom tetraquark states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 247-251.	4.1	115

#	ARTICLE	IF	CITATIONS
19	Asymptotically Safe Standard Model via Vectorlike Fermions. Physical Review Letters, 2017, 119, 261802.	7.8	51
20	Mass spectra for qcqÂ¯cÂ¯ , scsÂ¯cÂ¯ , qbqÂ¯bÂ¯ , sbsÂ¯bÂ¯ tetraquark states with JPC=0++ and 2++. Physical Review D, 2017, 96, .	4.7	25
21	Open flavor charm and bottom<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi><mml:mi>q</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>q</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover><mml:mover accent="true"><mml:mrow><mml:mi>Q</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover></mml:mrow></mml:math> and <mml:math ...	4.7	25
22	Renormalization group summation of Laplace QCD sum rules for scalar gluon currents. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 43-48.	4.1	1
23	Decoding the X(<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>5568</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (stretchy="fal xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi><mml:mi>u</mml:mi><mml:mover accent="true">	7.8	50
24	Revisiting theb1Ï€andÏ€decay modes of the1â^'+light hybrid state with light-cone QCD sum rules. Physical Review D, 2016, 94, .	4.7	14
25	a1(1420)resonance as a tetraquark state and its isospin partner. Physical Review D, 2015, 91, .	4.7	18
26	Mass spectra of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Z</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Z</mml:mi><mml:mi>b</mml:mi></mml:msub></mml:math>exotic states as hadron molecules. Physical Review D, 2015, 92, .	4.7	43
27	Towards Exotic Hidden-Charm Pentaquarks in QCD. Physical Review Letters, 2015, 115, 172001.	7.8	177
28	Multiscale renormalization group methods for effective potentials with multiple scalar fields. Physical Review D, 2014, 90, .	4.7	15
29	Exotic open-flavor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>b</mml:mi><mml:mi>c</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>q</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover><mml:mover accent="true"><mml:mrow><mml:mi>q</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover></mml:mrow></mml:math> ...	4.7	41
30	Viable Dark Matter via Radiative Symmetry Breaking in a Scalar Singlet Higgs Portal Extension of the Standard Model. Physical Review Letters, 2014, 112, 171602.	7.8	49
31	Chiral-Symmetry-Violating Effects and Near-Maximal Mixing of Scalar Gluonium and Quark Mesons. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 257-260.	0.4	1
32	Near-maximal mixing of scalar gluonium and quark mesons: A Gaussian sum-rule analysis. Nuclear Physics A, 2011, 850, 110-135.	1.5	36
33	Stability of subsequent-to-leading-logarithm corrections to the effective potential for radiative electroweak symmetry breaking. Nuclear Physics B, 2006, 743, 104-132.	2.5	14
34	Optimal renormalization-group improvement of twoÂradiatively-broken gauge theories. Nuclear Physics B, 2004, 678, 147-196.	2.5	29
35	Instanton and higher-loop perturbative contributions to the QCD sum-rule analysis of pseudoscalar gluonium. Nuclear Physics A, 2003, 728, 165-181.	1.5	21
36	Renormalization-group improvement of effective actions beyond summation of leading logarithms. Nuclear Physics B, 2003, 655, 221-249.	2.5	19

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37	Padé estimate of QCD's infrared boundary. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 514, 279-283.	4.1	4
38	Gaussian sum-rules and prediction of resonance properties. Nuclear Physics A, 2001, 686, 261-289.	1.5	23
39	Instanton effects on the role of the low-energy theorem for the scalar gluonic correlation function. Nuclear Physics A, 2001, 686, 393-412.	1.5	22
40	A gaussian sum-rule analysis of scalar glueballs. Nuclear Physics A, 2001, 695, 205-236.	1.5	29
41	Extended BRS symmetry and gauge independence in on-shell renormalization schemes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 373-378.	4.1	2
42	Hölder inequalities and isospin splitting of the quark scalar mesons. Nuclear Physics A, 2000, 671, 416-446.	1.5	26
43	Hölder inequalities and bounds on the masses of light quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 451, 201-206.	4.1	8
44	Broad sub-continuum resonances and the case for finite-energy sum-rules. European Physical Journal C, 1998, 4, 693-704.	3.9	2
45	Direct single-instanton contributions to finite-energy sum rules. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 223-228.	4.1	5
46	QCD sum-rule consistency of lowest-lying scalar resonances. Nuclear Physics A, 1998, 633, 279-311.	1.5	66
47	Sum-rule inequalities and a toy model paradox. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 392, 189-192.	4.1	4
48	Beyond the narrow resonance approximation: Decay constant and width of the first pion-excitation state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 412, 131-136.	4.1	16
49	Lower bound to the pion polarizability from QCD sum rules. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 366, 354-359.	4.1	6
50	Constraints on QCD sum rules from the Hölder inequalities. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 573-579.	4.1	13
51	Mass of the scalar glueball. Higher-loop effects in the QCD sum rules. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 243, 413-420.	4.1	49
52	Infrared aspects of the one-loop, scalar glueball operator-product expansion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 234, 135-143.	4.1	20