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	Towards Exotic Hidden-Charm Pentaquarks in QCD. Physical Review Letters, 2015, 115, 172001.	7.8	177
2	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
3	QCD sum-rule consistency of lowest-lying scalar resonances. Nuclear Physics A, 1998, 633, 279-311.	1.5	66
4	Asymptotically Safe Standard Model via Vectorlike Fermions. Physical Review Letters, 2017, 119, 261802.	7.8	51
5	Decoding the $X(5568)$ ...	7.8	50
6	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
7	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
8	Mass spectra of Z_c and Z_b exotic ...	4.7	43
9	... $D_{...} c \bar{q} \bar{q}$ ...	4.7	41
10	Near-maximal mixing of scalar gluonium and quark mesons: A Gaussian sum-rule analysis. Nuclear Physics A, 2011, 850, 110-135.	1.5	36
11	A gaussian sum-rule analysis of scalar glueballs. Nuclear Physics A, 2001, 695, 205-236.	1.5	29
12	Optimal renormalization-group improvement of twoÂradiatively-broken gauge theories. Nuclear Physics B, 2004, 678, 147-196.	2.5	29
13	HÃ¶lder inequalities and isospin splitting of the quark scalar mesons. Nuclear Physics A, 2000, 671, 416-446.	1.5	26
14	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
15	... charm and bottom $sq\bar{q}\bar{Q}$ and ...	4.7	25
16	Gaussian sum-rules and prediction of resonance properties. Nuclear Physics A, 2001, 686, 261-289.	1.5	23
17	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
18	Phase structure of completely asymptotically free SU(N) models with quarks and scalar quarks. Physical Review D, 2018, 97, .	4.7	22

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Renormalization-group improvement of effective actions beyond summation of leading logarithms. Nuclear Physics B, 2003, 655, 221-249.	2.5	19
22	a1(1420)resonance as a tetraquark state and its isospin partner. Physical Review D, 2015, 91, .	4.7	18
23	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
24	Multiscale renormalization group methods for effective potentials with multiple scalar fields. Physical Review D, 2014, 90, .	4.7	15
25	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
26	Revisiting theb1ï€andïï€decay modes of the1ẫ+light hybrid state with light-cone QCD sum rules. Physical Review D, 2016, 94, .	4.7	14
27	Investigation of the light four-quark states with exotic JPC=0ẫẫ. Physical Review D, 2017, 95, .	4.7	14
28	Doubly hidden-charm/bottom QQQQ tetraquark states. EPJ Web of Conferences, 2018, 182, 02028.	0.3	14
29	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
30	Mass calculations of light quarkonium, exotic JPC=0+ẫ hybrid mesons from Gaussian sum rules. Physical Review D, 2018, 98, .	4.7	13
31	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 ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 252 Td (stretchy="	4.7	13
32	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
33	Meson-hybrid mixing in JPC=1++ heavy quarkonium from QCD sum rules. Physical Review D, 2018, 98, .	4.7	8
34	QCD sum-rules analysis of vector (1ẫẫ) heavy quarkonium meson-hybrid mixing. Physical Review D, 2018, 97, .	4.7	7
35	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
36	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

#	Article	IF	Citations
37	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
38	Constraint on the light quark mass m_q from QCD sum rules in the $I=0$ scalar channel. Physical Review D, 2017, 96, .	4.7	5
39	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
40	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
41	Correlations between the strange quark condensate, strange quark mass, and kaon PCAC relation. Physical Review D, 2021, 103, .	4.7	4
42	Transformation of scalar couplings between Coleman-Weinberg and MS schemes. Physical Review D, 2020, 102, .	4.7	3
43	Broad sub-continuum resonances and the case for finite-energy sum-rules. European Physical Journal C, 1998, 4, 693-704.	3.9	2
44	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
45	Mixing of X and Y states from QCD sum rules analysis *. Chinese Physics C, 2022, 46, 063102.	3.7	2
46	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
47	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
48	Ground State Mass Predictions of Heavy-Light Hybrids from QCD Sum-Rule Analysis (J P â€¯=â€¯{0 ± ,1 ± }). Nuclear and Particle Physics Proceedings, 2018, 294-296, 75-80.	0.5	1
49	The Bridge Between Chiral Lagrangians and QCD Sum-Rules. Nuclear and Particle Physics Proceedings, 2020, 309-311, 119-123.	0.5	1
50	Heavy Quarkonium (1 ˜˜) Meson-Hybrid Mixing from QCD Sum Rules. Nuclear and Particle Physics Proceedings, 2018, 294-296, 81-86.	0.5	0
51	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
52	Vector and scalar mesonsâ€™ mixing from QCD sum rules. Journal of High Energy Physics, 2019, 2019, 1.	4.7	0