

Derek B Leinweber

List of Publications by Year in descending order

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303
papers

7,669
citations

38742

50
h-index

79698

73
g-index

307
all docs

307
docs citations

307
times ranked

1665
citing authors

#	ARTICLE	IF	CITATIONS
1	Unquenched quark propagator in Landau gauge. Physical Review D, 2005, 71, .	4.7	168
2	Physical Nucleon Properties from Lattice QCD. Physical Review Letters, 2004, 92, 242002.	7.8	155
3	QCD Sum Rules for Skeptics. Annals of Physics, 1997, 254, 328-396.	2.8	154
4	Decuplet baryon structure from lattice QCD. Physical Review D, 1992, 46, 3067-3085.	4.7	146
5	Electromagnetic structure of octet baryons. Physical Review D, 1991, 43, 1659-1678.	4.7	145
6	Infinite volume and continuum limits of the Landau-gauge gluon propagator. Physical Review D, 2001, 64, .	4.7	145
7	Lattice QCD Evidence that the χ is a χ . Physical Review Letters, 2015, 114, 102002.	4.7	145
8	Asymptotic scaling and infrared behavior of the gluon propagator. Physical Review D, 1999, 60, .	4.7	133
9	Precise Determination of the Strangeness Magnetic Moment of the Nucleon. Physical Review Letters, 2005, 94, 212001.	7.8	133
10	Unquenched gluon propagator in Landau gauge. Physical Review D, 2004, 70, .	4.7	129
11	Scaling behavior and positivity violation of the gluon propagator in full QCD. Physical Review D, 2007, 76, .	4.7	127
12	Limits on variations of the quark masses, QCD scale, and fine structure constant. Physical Review D, 2004, 69, .	4.7	123
13	Convergence of chiral effective field theory. Progress in Particle and Nuclear Physics, 2003, 50, 399-417.	14.4	122
14	Chiral analysis of quenched baryon masses. Physical Review D, 2002, 66, .	4.7	116
15	Baryon masses from lattice QCD: Beyond the perturbative chiral regime. Physical Review D, 2000, 61, .	4.7	107
16	Nonperturbative structure of the quark-gluon vertex. Journal of High Energy Physics, 2003, 2003, 047-047.	4.7	99
17	Scaling behavior of the quark propagator in full QCD. Physical Review D, 2006, 73, .	4.7	94
18	Nucleon magnetic moments beyond the perturbative chiral regime. Physical Review D, 1999, 60, .	4.7	91

#	ARTICLE	IF	CITATIONS
19	Infrared behavior of the gluon propagator on a large volume lattice. Physical Review D, 2000, 62, .	4.7	90
20	Hadron masses from novel fat-link fermion actions. Physical Review D, 2002, 65, .	4.7	90
21	Strange Electric Form Factor of the Proton. Physical Review Letters, 2006, 97, 022001.	7.8	89
22	Gluon propagator in the infrared region. Physical Review D, 1998, 58, .	4.7	86
23	Excited baryons in lattice QCD. Physical Review D, 2003, 67, .	4.7	85
24	Baryon octet to decuplet electromagnetic transitions. Physical Review D, 1993, 48, 2230-2249.	4.7	84
25	Electromagnetic form factors of spin- $\frac{1}{2}$ baryons. Physical Review D, 1990, 42, 3567-3571.	4.7	78
26	Highly improved lattice field-strength tensor. Annals of Physics, 2003, 304, 1-21.	2.8	78
27	Chiral behavior of the rho meson in lattice QCD. Physical Review D, 2001, 64, .	4.7	69
28	Precision electromagnetic structure of octet baryons in the chiral regime. Physical Review D, 2006, 74, .	4.7	69
29	Isolating the $\langle \bar{\psi} \psi \rangle$ in lattice QCD. Physical Review D, 2006, 74, 074017.	7.8	66
30	Nucleon properties from unconventional interpolating fields. Physical Review D, 1995, 51, 6383-6393.	4.7	65
31	Valid QCD sum rules for vector mesons in nuclear matter. Physical Review C, 1995, 52, 3344-3352.	2.9	65
32	Valence QCD: Connecting QCD to the quark model. Physical Review D, 1999, 59, .	4.7	64
33	Pseudoscalar and vector meson form factors from lattice QCD. Physical Review D, 2007, 75, .	4.7	64
34	Modelling the quark propagator. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 323-325.	0.4	58
35	QCD equalities for baryon current matrix elements. Physical Review D, 1996, 53, 5115-5124.	4.7	57
36	Negative-parity baryon spectroscopy. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 258-260.	0.4	57

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55	Electromagnetic structure of decuplet baryons towards the chiral regime. Physical Review D, 2009, 80, .	4.7	46
56	Finite-volume matrix Hamiltonian model for a \hat{I} system. Physical Review D, 2013, 87, .	4.7	46
57	Spin-3/2 nucleon and $\bar{\Lambda}$ baryons in lattice QCD. Physical Review D, 2003, 68, .	4.7	45
58	Unquenching effects in the quark and gluon propagator. Physical Review D, 2007, 76, .	4.7	45
59	Panel discussion on chiral extrapolation of physical observables. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 170-184.	0.4	41
60	Stochastic opinion formation in scale-free networks. Physical Review E, 2005, 72, 046113.	2.1	41
61	Λ^+ exotic meson at light quark masses. Physical Review D, 2005, 72, .	4.7	40
62	Baryon Spectroscopy in Lattice QCD. , 0, , 71-112.		40
63	SELF-SIMILAR LOG-PERIODIC STRUCTURES IN WESTERN STOCK MARKETS FROM 2000. International Journal of Modern Physics C, 2005, 16, 1347-1361.	1.7	38
64	Vacuum structure revealed by over-improved stout-link smearing compared with the overlap analysis for quenched QCD. Physical Review D, 2008, 77, .	4.7	38
65	Structure and flow of the nucleon eigenstates in lattice QCD. Physical Review D, 2013, 87, .	4.7	38
66	Infrared and ultraviolet properties of the Landau gauge quark propagator. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 23-29.	0.4	37
67	A new slant on hadron structure. Pramana - Journal of Physics, 2001, 57, 251-261.	1.8	36
68	Structure of the \hat{I} system. Physical Review D, 2017, 95, .	4.7	36
69	Lattice QCD calculations of the sigma commutator. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 482, 109-113.	4.1	35
70	Nucleon electromagnetic form factors from lattice QCD. European Physical Journal A, 2004, 19, 9-14.	2.5	35
71	Role of center vortices in chiral symmetry breaking in SU(3) gauge theory. Physical Review D, 2011, 84, .	4.7	35
72	Variational approach to the calculation of \hat{I} system. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 217-223.	4.1	35

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73	Magnetic properties of the nucleon in a uniform background field. Physical Review D, 2014, 89, .	4.7	35
74	Hamiltonian effective field theory study of the $\langle \bar{\psi} \psi \rangle$ in SU(3) gauge theory. Physical Review D, 2017, 95, .	4.7	34
75	General Algorithm for Improved Lattice Actions on Parallel Computing Architectures. Journal of Computational Physics, 2001, 170, 1-17.	3.8	34
76	Evidence that centre vortices underpin dynamical chiral symmetry breaking in SU(3) gauge theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 373-377.	4.1	34
77	Scaling of fat-link irrelevant-clover fermions. Physical Review D, 2005, 71, .	4.7	33
78	Quark propagator in Landau and Laplacian gauges with overlap fermions. Physical Review D, 2005, 71, .	4.7	33
79	Accelerated overlap fermions. Physical Review D, 2002, 66, .	4.7	32
80	Chiral corrections to lattice calculations of charge radii. Physical Review D, 1993, 47, 2147-2150.	4.7	31
81	Calibration of smearing and cooling algorithms in SU(3)-color gauge theory. Physical Review D, 2000, 62, .	4.7	31
82	Over-improved stout-link smearing. Physical Review D, 2008, 77, .	4.7	31
83	Realistic lattice determination of $\langle \bar{\psi} \psi \rangle$ in SU(3) gauge theory. Physical Review D, 2017, 95, .	4.7	31
84	Low-lying odd-parity states of the nucleon in lattice QCD. Physical Review D, 2013, 87, .	4.7	30
85	Light meson form factors at near physical masses. Physical Review D, 2015, 91, .	4.7	30
86	Discretisation Errors in Landau Gauge on the Lattice. Australian Journal of Physics, 1999, 52, 939.	0.6	30
87	Towards a Connection between Nuclear Structure and QCD. Progress of Theoretical Physics Supplement, 2004, 156, 124-136.	0.1	29
88	Quark-gluon vertex in arbitrary kinematics. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 244-249.	0.4	29
89	Hybrid Monte Carlo algorithm with fat link fermion actions. Physical Review D, 2004, 70, .	4.7	28
90	Extrapolation of lattice QCD results beyond the power-counting regime. Nuclear Physics A, 2005, 755, 59-70.	1.5	27

#	ARTICLE	IF	CITATIONS
91	Isolating excited states of the nucleon in lattice QCD. <i>Physical Review D</i> , 2009, 80, .	4.7	27
92	Finite-volume and partial quenching effects in the magnetic polarizability of the neutron. <i>Physical Review D</i> , 2014, 89, .	4.7	27
93	Search for low-lying lattice QCD eigenstates in the Roper regime. <i>Physical Review D</i> , 2017, 95, .	4.7	27
94	Improved smoothing algorithms for lattice gauge theory. <i>Physical Review D</i> , 2002, 65, .	4.7	26
95	Simple quark model with chiral phenomenology. <i>Physical Review C</i> , 2002, 65, .	2.9	26
96	Self-organized criticality and stock market dynamics: an empirical study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 350, 451-465.	2.6	26
97	Testing QCD sum rule techniques on the lattice. <i>Physical Review D</i> , 1995, 51, 6369-6382.	4.7	25
98	New QCD sum rules for nucleons in nuclear matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 387, 253-258.	4.1	24
99	Scaling behavior of the overlap quark propagator in the Landau gauge. <i>Physical Review D</i> , 2004, 70, .	4.7	24
100	Lattice baryon spectroscopy with multiparticle interpolators. <i>Physical Review D</i> , 2015, 91, .	4.7	24
101	Gluon propagator on coarse lattices in Laplacian gauges. <i>Physical Review D</i> , 2002, 66, .	4.7	23
102	Search for the pentaquark resonance signature in lattice QCD. <i>Physical Review D</i> , 2005, 72, .	4.7	23
103	Comparison of gluon flux-tube distributions for quark-diquark and quark-antiquark hadrons. <i>Physical Review D</i> , 2009, 80, .	4.7	23
104	Wave function of the Roper from lattice QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 164-169.	4.1	23
105	Systematic uncertainties in the precise determination of the strangeness magnetic moment of the nucleon. <i>European Physical Journal A</i> , 2005, 24, 79-84.	2.5	22
106	Unified chiral analysis of the vector meson spectrum from lattice QCD. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, 971-991.	3.6	22
107	Center vortices and the quark propagator in $SU(2)$ gauge theory. <i>Physical Review D</i> , 2008, 78, .	4.7	22
108	Ordering of spin- excitations of the nucleon in lattice QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 693, 351-357.	4.1	22

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109	Chiral extrapolations for nucleon magnetic moments. Physical Review D, 2012, 85, .	4.7	22
110	Strange magnetic form factor of the nucleon in a chiral effective model at next to leading order. Physical Review D, 2014, 89, .	4.7	22
111	Structure of the Roper resonance from lattice QCD constraints. Physical Review D, 2018, 97, .	4.7	22
112	Unquenching the η meson. Physical Review D, 1994, 49, 3512-3518.	4.7	21
113	Background-field formalism in nonperturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 385, 52-56.	4.1	21
114	Gluon field distribution in baryons. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 22-25.	0.4	21
115	Chiral extrapolations for nucleon electric charge radii. Physical Review D, 2013, 88, .	4.7	21
116	Do quarks really form diquark clusters in the nucleon?. Physical Review D, 1993, 47, 5096-5103.	4.7	20
117	Spin-glass behavior of the antiferromagnetic Ising model on a scale-free network. Physical Review B, 2006, 73, .	3.2	20
118	S^U_3 symmetry breaking. Physical Review D, 2012, 86, .	4.7	20
119	Nucleon excited state wave functions from lattice QCD. Physical Review D, 2014, 89, .	4.7	20
120	Liquid-gas phase transition and Coulomb instability of asymmetric nuclear systems. Nuclear Physics A, 2005, 748, 226-240.	1.5	19
121	Connection between center vortices and instantons through gauge-field smoothing. Physical Review D, 2015, 92, .	4.7	19
122	Visualization of center vortex structure. Physical Review D, 2020, 102, .	4.7	19
123	Lattice QCD evaluation of baryon magnetic-moment sum rules. Physical Review D, 1992, 45, 252-258.	4.7	18
124	Neutron stars and strange stars in the chiral SU(3) quark mean field model. Physical Review C, 2005, 72, .	2.9	18
125	Spin-3/2 pentaquark resonance signature in lattice QCD. Physical Review D, 2005, 72, .	4.7	18
126	Phase transition from quark-meson coupling hyperonic matter to deconfined quark matter. Physical Review C, 2009, 79, .	2.9	18

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127	Positive-parity excited states of the nucleon in quenched lattice QCD. <i>Physical Review D</i> , 2010, 82, .	4.7	18
128	$\bar{U}\pm - \bar{D}\pm$ mixing via QCD sum rules with finite mesonic widths. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 386, 55-61.	4.1	17
129	Improved chiral properties of FLIC fermions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 616, 196-202.	4.1	17
130	Isolating the Roper resonance in lattice QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 679, 418-422.	4.1	17
131	Power counting regime of chiral effective field theory and beyond. <i>Physical Review D</i> , 2010, 82, .	4.7	17
132	Nucleon matrix elements using the variational method in lattice QCD. <i>Physical Review D</i> , 2016, 94, .	4.7	17
133	Mesonic width effects on the momentum dependence of the $\bar{U}\pm - \bar{D}\pm$ mixing matrix element. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 367, 45-49.	4.1	16
134	New treatment of the chiral quark mean field model. <i>Nuclear Physics A</i> , 2004, 744, 273-292.	1.5	16
135	Scale-free avalanche dynamics in the stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 132-139.	2.6	16
136	String effects and the distribution of the glue in static mesons at finite temperature. <i>Physical Review D</i> , 2010, 82, .	4.7	16
137	Chiral extrapolation of nucleon magnetic moments at next-to-leading-order. <i>Physical Review D</i> , 2012, 86, .	4.7	16
138	Centre vortex removal restores chiral symmetry. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 125002.	3.6	16
139	Liquid-gas phase transition in nuclear matter including strangeness. <i>Physical Review C</i> , 2004, 70, .	2.9	15
140	Even parity excitations of the nucleon in lattice QCD. <i>Physical Review D</i> , 2007, 76, .	4.7	15
141	Cooling for instantons and the wrath of Nahm. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2002, 109, 116-120.	0.4	14
142	An analysis of the nucleon spectrum from lattice partially-quenched QCD. <i>Nuclear Physics A</i> , 2010, 840, 97-119.	1.5	14
143	Preconditioning maximal center gauge with stout link smearing in $\langle S \rangle$ $\langle U \rangle$ $\langle S^3 \rangle$ $\langle U^3 \rangle$. <i>Physical Review D</i> , 2010, 82, .	4.7	14
144	Transition of $\langle \bar{U}\pm - \bar{D}\pm \rangle$ in lattice QCD. <i>Physical Review D</i> , 2015, 92, .	4.7	14

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145	Light-quark contributions to the magnetic form factor of the Λ . Physical Review D, 2020, 101, .	4.7	14
146	Partial-wave mixing in Hamiltonian effective field theory. Physical Review D, 2020, 101, .	4.7	14
147	Pion magnetic polarisability using the background field method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135853.	4.1	14
148	Light hadron spectroscopy on coarse lattices with $O(a^2)$ mean-field-improved actions. Physical Review D, 1999, 59, .	4.7	13
149	Numerical study of the lattice index theorem using improved cooling and overlap fermions. Physical Review D, 2002, 65, .	4.7	13
150	Nonperturbative renormalization of composite operators with overlap fermions. Physical Review D, 2005, 72, .	4.7	13
151	Role of centre vortices in dynamical mass generation. Nuclear Physics, Section B, Proceedings Supplements, 2006, 161, 130-135.	0.4	13
152	Impact of dynamical fermions on QCD vacuum structure. Physical Review D, 2008, 78, .	4.7	13
153	Spin of the proton in chiral effective field theory. Physical Review C, 2016, 93, .	2.9	13
154	Gluon propagator on a center-vortex background. Physical Review D, 2018, 98, .	4.7	13
155	Magnetic polarizability of the nucleon using a Laplacian mode projection. Physical Review D, 2020, 101, .	4.7	13
156	N^* Spectroscopy from Lattice QCD: The Roper Explained. , 2016, , .		13
157	New QCD sum rules for nucleon axial-vector coupling constants. Physical Review D, 1997, 55, 4066-4082.	4.7	12
158	Quark Propagator from LQCD and Its Physical Implications. , 0, , 17-63.		12
159	Searching for low-lying multi-particle thresholds in lattice spectroscopy. Annals of Physics, 2014, 342, 270-282.	2.8	12
160	FLIC fermions and hadron phenomenology. European Physical Journal A, 2003, 18, 247-252.	2.5	11
161	Electromagnetic form factors with FLIC fermions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 233-239.	0.4	11
162	Fat link irrelevant clover overlap quark propagator. Physical Review D, 2005, 71, .	4.7	11

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163	Bosonic stringlike behavior and the ultraviolet filtering of QCD. <i>Physical Review D</i> , 2012, 85, .	4.7	11
164	Low-lying eigenmodes of the Wilsonâ€“Dirac operator and correlations with topological objects. <i>Nuclear Physics B</i> , 2002, 628, 253-269.	2.5	10
165	N^* masses from an anisotropic lattice QCD action. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2002, 106-107, 248-250.	0.4	10
166	Nonperturbative renormalisation of composite operators with overlap quarks. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 128, 240-247.	0.4	10
167	Publisherâ€™s Note: Vacuum structure revealed by over-improved stout-link smearing compared with the overlap analysis for quenched QCD [<i>Phys. Rev. D</i> 77, 074502 (2008)]. <i>Physical Review D</i> , 2008, 77, .	4.7	10
168	Nucleon resonance structure in the finite volume of lattice QCD. <i>Physical Review D</i> , 2017, 95, .	4.7	10
169	Neutron magnetic polarizability with Landau mode operators. <i>Physical Review D</i> , 2018, 98, .	4.7	10
170	Kaonic hydrogen and deuterium in Hamiltonian effective field theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 808, 135652.	4.1	10
171	Hamiltonian effective field theory in elongated or moving finite volume. <i>Physical Review D</i> , 2021, 103, .	4.7	10
172	Quenched chiral perturbation theory for baryon form factors. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2002, 109, 45-49.	0.4	9
173	Hamiltonian limit of (3+1)-dimensional SU(3) lattice gauge theory on anisotropic lattices. <i>Physical Review D</i> , 2004, 69, .	4.7	9
174	Chiral extrapolation and physical insights. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 128, 227-232.	0.4	9
175	Chiral extrapolation beyond the power-counting regime. <i>Physical Review D</i> , 2011, 84, .	4.7	9
176	Finite-volume corrections to charge radii. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 101-105.	4.1	9
177	Quark propagation in the instantons of lattice QCD. <i>Physical Review D</i> , 2013, 88, .	4.7	9
178	Parity-expanded variational analysis for nonzero momentum. <i>Physical Review D</i> , 2015, 92, .	4.7	9
179	Opposite-parity contaminations in lattice nucleon form factors. <i>Physical Review D</i> , 2019, 99, .	4.7	9
180	Elastic form factors of nucleon excitations in lattice QCD. <i>Physical Review D</i> , 2020, 102, .	4.7	9

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181	Comparison of $ Q =1$ and $ Q =2$ gauge-field configurations on the lattice four-torus. Annals of Physics, 2004, 311, 267-287.	2.8	8
182	Symbiosis in the Bak-Sneppen model for biological evolution with economic applications. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 499-508.	2.6	8
183	Visualizations of coherent center domains in local Polyakov loops. Annals of Physics, 2014, 348, 341-361.	2.8	8
184	Pure sea-quark contributions to the magnetic form factors of Δ baryons. Physical Review D, 2015, 92, .	4.7	8
185	Towards the continuum limit of the overlap quark propagator in Landau gauge. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 831-833.	0.4	7
186	The Thermal Delocalization of the Flux Tubes in Mesons and Baryons. AIP Conference Proceedings, 2011, , .	0.4	7
187	Pion in a uniform background magnetic field with clover fermions. Physical Review D, 2019, 100, .	4.7	7
188	Essential strangeness in nucleon magnetic moments. Nuclear Physics A, 1995, 585, 341-342.	1.5	6
189	The sigma commutator from lattice QCD. Nuclear Physics A, 2001, 680, 137-140.	1.5	6
190	Chiral behaviour of baryon masses in quenched lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 55-59.	0.4	6
191	Novel fat-link fermion actions. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 101-105.	0.4	6
192	Topological charge evolution in the Markov chain of QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 585, 187-191.	4.1	6
193	Finite-range regularisation and chiral extrapolation. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 233-237.	0.4	6
194	Wilson mass dependence of the overlap topological charge density. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 337-342.	4.1	6
195	Wave functions of the proton ground state in the presence of a uniform background magnetic field in lattice QCD. Physical Review D, 2011, 83, .	4.7	6
196	Gluonic profile of the static baryon at finite temperature. Physical Review D, 2015, 91, .	4.7	6
197	Baryon resonances from a novel fat-link fermion action. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 96-100.	0.4	5
198	Observing chiral nonanalytic behavior with FLIC fermions. Nuclear Physics A, 2004, 737, 177-181.	1.5	5

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199	Finite volume dependence of hadron properties and lattice QCD. Journal of Physics: Conference Series, 2005, 9, 321-330.	0.4	5
200	QCD propagators: some results from the lattice. Nuclear Physics, Section B, Proceedings Supplements, 2006, 161, 27-33.	0.4	5
201	Effects of dynamical sea-quarks on quark and gluon propagators. AIP Conference Proceedings, 2006, , .	0.4	5
202	On the ground state of Yang-Mills theory. Annals of Physics, 2011, 326, 2165-2173.	2.8	5
203	An aerodynamic analysis of recent FIFA world cup balls. European Journal of Physics, 2018, 39, 034001.	0.6	5
204	Impact of dynamical fermions on the center vortex gluon propagator. Physical Review D, 2022, 106, .	4.7	5
205	Lattice calculation of baryonic electromagnetic form factors. Nuclear Physics A, 1991, 527, 531-534.	1.5	4
206	The structure of the gluon propagator. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 626-628.	0.4	4
207	Baryon mass extrapolation. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 179-181.	0.4	4
208	Improved Landau gauge fixing and discretisation errors. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 905-907.	0.4	4
209	Hybrid meson spectrum from the FLIC action. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 221-226.	0.4	4
210	Overlap quark propagator in Landau and Laplacian gauges. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 15-21.	0.4	4
211	Accessing high momentum states in lattice QCD. Physical Review D, 2012, 86, .	4.7	4
212	Chiral extrapolation of the charged-pion magnetic polarizability with Padé approximant. Physical Review D, 2021, 104, .	4.7	4
213	Emergent Structure in QCD. EPJ Web of Conferences, 2020, 245, 06009.	0.3	4
214	Hadron mass extraction from lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 50-54.	0.4	3
215	Recent developments in quark nuclear physics. European Physical Journal A, 2003, 18, 241-245.	2.5	3
216	Excited baryons from the FLIC fermion action. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 293-295.	0.4	3

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217	Progress in the calculation of nucleon form factors and parton distribution functions. Nuclear Physics A, 2003, 721, C915-C921.	1.5	3
218	Looking inside the quark-gluon vertex. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 117-124.	0.4	3
219	Stout-link smearing in lattice fermion actions. Physical Review D, 2009, 80, .	4.7	3
220	Extracting Low-Lying Lambda Resonances Using Correlation Matrix Techniques. , 2011, , .		3
221	Instanton contributions to the low-lying hadron mass spectrum. Physical Review D, 2015, 92, .	4.7	3
222	Background field Landau mode operators for the nucleon. EPJ Web of Conferences, 2018, 175, 05018.	0.3	3
223	Accessing high-momentum nucleons with dilute stochastic sources. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 125102.	3.6	3
224	Role of chiral symmetry in the nucleon excitation spectrum. Physical Review D, 2020, 101, .	4.7	3
225	Power Counting Regime of Chiral Extrapolation and Beyond. , 2005, , .		3
226	Correlation matrix methods for excited meson form factors in Full QCD. , 2012, , .		3
227	Visualisations of Centre Vortices. EPJ Web of Conferences, 2020, 245, 06010.	0.3	3
228	Vector-meson decay and the pion-quark coupling constant. Nuclear Physics A, 1986, 457, 529-540.	1.5	2
229	Momentum-dependent effects in the decays of charmonium and upsilon. Nuclear Physics A, 1987, 470, 477-487.	1.5	2
230	On the electromagnetic properties of the Baryon octet. Nuclear Physics, Section B, Proceedings Supplements, 1991, 20, 463-466.	0.4	2
231	A few points on point-to-point correlation functions. Nuclear Physics, Section B, Proceedings Supplements, 1994, 34, 407-410.	0.4	2
232	Modelling the gluon propagator. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 629-631.	0.4	2
233	Chiral corrections to baryon masses calculated within lattice QCD. Nuclear Physics A, 2000, 663-664, 973c-976c.	1.5	2
234	Lattice QCD calculations of hadron structure: Constituent quarks and chiral symmetry. Nuclear Physics A, 2001, 684, 35-43.	1.5	2

#	ARTICLE	IF	CITATIONS
235	Improving the low-lying spectrum of the overlap kernel. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 81-85.	0.4	2
236	FLIC-overlap fermions and topology. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 828-830.	0.4	2
237	Dynamical fat link fermions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 96-99.	0.4	2
238	Effects of dynamical FLIC fermions in the quark and gluon propagator. Nuclear Physics, Section B, Proceedings Supplements, 2006, 161, 109-115.	0.4	2
239	Lattice QCD Studies of Pentaquarks and Exotics. Nuclear Physics, Section B, Proceedings Supplements, 2006, 153, 348-353.	0.4	2
240	SOME RECENT LATTICE QCD RESULTS FROM THE CSSM. International Journal of Modern Physics A, 2007, 22, 5053-5061.	1.5	2
241	Scaling analysis of fat-link irrelevant clover fermion actions. Physical Review D, 2008, 77, .	4.7	2
242	Nucleon excitations in 2+1 flavor QCD. , 2012, , .		2
243	Finite-Volume Hamiltonian Method for $\pi\pi$ Scattering in Lattice QCD. , 2016, , .		2
244	Flavor-singlet baryons in the graded symmetry approach to partially quenched QCD. Physical Review D, 2016, 94, .	4.7	2
245	Structure of the Nucleon and its Excitations. EPJ Web of Conferences, 2018, 175, 06019.	0.3	2
246	Hadron Structure and QCD: Effective Field Theory for Lattice Simulations. , 0, , 113-129.		2
247	Hadron Properties with FLIC Fermions. , 0, , 199-225.		2
248	Chiral extrapolation of the magnetic polarizability of the neutral pion. Physical Review D, 2020, 102, .	4.7	2
249	BARYON RESONANCE PHENOMENOLOGY. , 2002, , .		2
250	Nucleon Magnetic Properties from Lattice QCD And The Background Field Method. , 2017, , .		2
251	Smoothing algorithms for projected center-vortex gauge fields. Physical Review D, 2022, 106, .	4.7	2
252	Hadron electromagnetic structure: Shedding light on models and their mechanisms. Nuclear Physics, Section B, Proceedings Supplements, 1994, 34, 383-385.	0.4	1

#	ARTICLE	IF	CITATIONS
253	Theoretical perspective on the nucleon strange magnetic form factor. Nuclear Physics A, 2001, 680, 117-124.	1.5	1
254	Overlap fermions, improved cooling and the lattice index theorem. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 146-150.	0.4	1
255	Chiral nonanalytic behaviour: The Edinburgh plot. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 236-238.	0.4	1
256	Spin-3/2 baryons in lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 299-301.	0.4	1
257	QCD AND HADRON STRUCTURE. Modern Physics Letters A, 2003, 18, 347-355.	1.2	1
258	The strangeness magnetic moment of the nucleon from FLIC fermions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 132-140.	0.4	1
259	Exotic Hadrons on the Lattice. Progress of Theoretical Physics Supplement, 2007, 168, 36-44.	0.1	1
260	The $\hat{\Lambda}(1405)$ in Full QCD. , 2011, , .		1
261	Roper Resonance in 2+1 Flavor QCD. , 2011, , .		1
262	Chiral Effective Field Theory Beyond the Power-Counting Regime. , 2011, , .		1
263	Exploring excited states of the nucleon in 2+1 flavor lattice QCD. , 2012, , .		1
264	Computing the magnetic field response of the proton. EPJ Web of Conferences, 2020, 245, 06033.	0.3	1
265	THE TRANSITION FROM NONPERTURBATIVE TO PERTURBATIVE QCD. , 2002, , .		1
266	Centre vortex structure of QCD-vacuum fields and confinement. SciPost Physics Proceedings, 2022, , .	0.4	1
267	Multipole moments of spin particles. Nuclear Physics, Section B, Proceedings Supplements, 1992, 26, 403-405.	0.4	0
268	Nucleon and hyperon electromagnetic transitions. Nuclear Physics, Section B, Proceedings Supplements, 1993, 30, 427-430.	0.4	0
269	Quark propagator in a covariant gauge. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 158-162.	0.4	0
270	Light quark simulations with FLIC fermions. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 290-292.	0.4	0

#	ARTICLE	IF	CITATIONS
271	FLIC overlap fermions. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 825-827.	0.4	0
272	Scale-free networks in complex systems. , 2005, , .		0
273	Properties of the FLIC overlap quark propagator. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 217-222.	0.4	0
274	Chiral SU(3) quark mean-field model for hadronic systems. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 273-278.	0.4	0
275	Systematic uncertainties in the precise determination of the strangeness magnetic moment of the nucleon. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 287-294.	0.4	0
276	FLIC Mesons: hybrids and exotics. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 43-46.	0.4	0
277	The Hamiltonian limit of (3+1)D SU(3) lattice gauge theory. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 253-258.	0.4	0
278	Some recent research highlights from the CSSM. Nuclear Physics, Section B, Proceedings Supplements, 2006, 161, 248-255.	0.4	0
279	Shape of the proton in a uniform magnetic field. , 2010, , .		0
280	Chiral behavior of baryon magnetic moments. , 2010, , .		0
281	Proton Wave Functions in a Uniform Magnetic Field. , 2011, , .		0
282	Magnetic Properties of the Proton and Neutron. , 2011, , .		0
283	Efficient operators for studying higher partial waves. EPJ Web of Conferences, 2018, 175, 05024.	0.3	0
284	MESON CLOUD CONSIDERATIONS IN THE STRANGE MAGNETIC MOMENT OF THE NUCLEON FROM LATTICE QCD. , 2001, , .		0
285	QUENCHED CHIRAL PHYSICS IN BARYON MASSES. , 2002, , .		0
286	HADRON MASSES FROM A NOVEL FAT-LINK FERMION ACTION. , 2002, , .		0
287	Light-Quark FLIC Fermion Simulations of the 1+ Exotic Meson. , 2005, , .		0
288	Spin-3/2 Pentaquark Resonance Signature. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
289	Chiral and Continuum Extrapolation of Partially-Quenched Hadron Masses. , 2005, , .		0
290	1^{++} Exotic on the Lattice with FLIC Fermions. , 2007, , .		0
291	Centre vortices and the quark propagator. , 2012, , .		0
292	Magnetic properties of the neutron in a uniform background field. , 2012, , .		0
293	Instanton contributions to the low-lying hadronic mass spectrum. , 2012, , .		0
294	Odd-parity Nucleon Eigenstates in Full QCD. , 2012, , .		0
295	Baryon resonances and hadronic interactions in a finite volume. , 2012, , .		0
296	The Influence of Instantons on the Quark Propagator. , 2012, , .		0
297	Evidence that the Lambda(1405) is a molecular antikaon-nucleon bound state. , 2016, , .		0
298	Partial Wave Mixing in Hamiltonian Effective Field Theory. , 2019, , .		0
299	Partial wave mixing in Hamiltonian effective field theory. , 2020, , .		0
300	The computational challenge of lattice chiral symmetry - Is it worth the expense?. EPJ Web of Conferences, 2020, 245, 06034.	0.3	0
301	Structure and transitions of nucleon excitations via parity-expanded variational analysis. , 2020, , .		0
302	The Nucleon Mass in Chiral Effective Field Theory. , 2005, , 113-120.		0
303	Towards high partial waves in lattice QCD with an extended two-hadron operator. Physical Review D, 2022, 105, .	4.7	0