

# Derek B Leinweber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4667487/publications.pdf>

Version: 2024-02-01

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	Towards high partial waves in lattice QCD with an extended two-hadron operator. Physical Review D, 2022, 105, .	4.7	0
2	Centre vortex structure of QCD-vacuum fields and confinement. SciPost Physics Proceedings, 2022, , .	0.4	1
3	Impact of dynamical fermions on the center vortex gluon propagator. Physical Review D, 2022, 106, .	4.7	5
4	Smoothing algorithms for projected center-vortex gauge fields. Physical Review D, 2022, 106, .	4.7	2
5	Hamiltonian effective field theory in elongated or moving finite volume. Physical Review D, 2021, 103, .	4.7	10
6	Chiral extrapolation of the charged-pion magnetic polarizability with PadÃ© approximant. Physical Review D, 2021, 104, .	4.7	4
7	Kaonic hydrogen and deuterium in Hamiltonian effective field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135652.	4.1	10
8	Magnetic polarizability of the nucleon using a Laplacian mode projection. Physical Review D, 2020, 101, .	4.7	13
9	Partial-wave mixing in Hamiltonian effective field theory. Physical Review D, 2020, 101, .	4.7	14
10	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
11	Elastic form factors of nucleon excitations in lattice QCD. Physical Review D, 2020, 102, .	4.7	9
12	Visualization of center vortex structure. Physical Review D, 2020, 102, .	4.7	19
13	Role of chiral symmetry in the nucleon excitation spectrum. Physical Review D, 2020, 101, .	4.7	3
14	Computing the magnetic field response of the proton. EPJ Web of Conferences, 2020, 245, 06033.	0.3	1
15	Chiral extrapolation of the magnetic polarizability of the neutral pion. Physical Review D, 2020, 102, .	4.7	2
16	Partial wave mixing in Hamiltonian effective field theory. , 2020, , .		0
17	Emergent Structure in QCD. EPJ Web of Conferences, 2020, 245, 06009.	0.3	4
18	Visualisations of Centre Vortices. EPJ Web of Conferences, 2020, 245, 06010.	0.3	3

#	ARTICLE	IF	CITATIONS
19	The computational challenge of lattice chiral symmetry - Is it worth the expense?. EPJ Web of Conferences, 2020, 245, 06034.	0.3	0
20	Structure and transitions of nucleon excitations via parity-expanded variational analysis. , 2020, , .		0
21	Opposite-parity contaminations in lattice nucleon form factors. Physical Review D, 2019, 99, .	4.7	9
22	Pion in a uniform background magnetic field with clover fermions. Physical Review D, 2019, 100, .	4.7	7
23	Partial Wave Mixing in Hamiltonian Effective Field Theory. , 2019, , .		0
24	An aerodynamic analysis of recent FIFA world cup balls. European Journal of Physics, 2018, 39, 034001.	0.6	5
25	Efficient operators for studying higher partial waves. EPJ Web of Conferences, 2018, 175, 05024.	0.3	0
26	Background field Landau mode operators for the nucleon. EPJ Web of Conferences, 2018, 175, 05018.	0.3	3
27	Neutron magnetic polarizability with Landau mode operators. Physical Review D, 2018, 98, .	4.7	10
28	Accessing high-momentum nucleons with dilute stochastic sources. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 125102.	3.6	3
29	Gluon propagator on a center-vortex background. Physical Review D, 2018, 98, .	4.7	13
30	Structure of the Nucleon and its Excitations. EPJ Web of Conferences, 2018, 175, 06019.	0.3	2
31	Structure of the Roper resonance from lattice QCD constraints. Physical Review D, 2018, 97, .	4.7	22
32	Nucleon resonance structure in the finite volume of lattice QCD. Physical Review D, 2017, 95, .	4.7	10
33	Hamiltonian effective field theory study of the $N^*$ structure of the $N^*$ resonance from lattice QCD constraints. Physical Review D, 2017, 95, .	4.7	14
34	Light-quark contributions to the magnetic form factor of the $N^*$ resonance from lattice QCD constraints. Physical Review D, 2017, 95, .	4.7	14
35	Search for low-lying lattice QCD eigenstates in the Roper regime. Physical Review D, 2017, 95, .	4.7	27

#	ARTICLE	IF	CITATIONS
37	Centre vortex removal restores chiral symmetry. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 125002.	3.6	16
38	Nucleon Magnetic Properties from Lattice QCD And The Background Field Method. , 2017, , .		2
39	Finite-Volume Hamiltonian Method for $\pi\pi$ Scattering in Lattice QCD. , 2016, , .		2
40	Spin of the proton in chiral effective field theory. Physical Review C, 2016, 93, .	2.9	13
41	<a href="#">Hamiltonian Effective Field Theory Study of the <math>N</math> <math>\pi</math> System</a> $\langle N   \int d^3x \bar{\psi} \gamma_5 \psi   N \rangle$ <p>Letters, 2016, 116, 082004.</p>		2
42	Nucleon matrix elements using the variational method in lattice QCD. Physical Review D, 2016, 94, .	4.7	17
43	Flavor-singlet baryons in the graded symmetry approach to partially quenched QCD. Physical Review D, 2016, 94, .	4.7	2
44	$N$ $\pi$ Spectroscopy from Lattice QCD: The Roper Explained. , 2016, , .		13
45	Evidence that the $\Lambda(1405)$ is a molecular antikaon-nucleon bound state. , 2016, , .		0
46	Light meson form factors at near physical masses. Physical Review D, 2015, 91, .	4.7	30
47	Gluonic profile of the static baryon at finite temperature. Physical Review D, 2015, 91, .	4.7	6
48	Pure sea-quark contributions to the magnetic form factors of $\Lambda$ baryons. Physical Review D, 2015, 92, .	4.7	8
49	Transition of $\Lambda(1405)$ in lattice QCD. Physical Review D, 2015, 92, .	4.7	14
50	Connection between center vortices and instantons through gauge-field smoothing. Physical Review D, 2015, 92, .	4.7	19
51	Instanton contributions to the low-lying hadron mass spectrum. Physical Review D, 2015, 92, .	4.7	3
52	Parity-expanded variational analysis for nonzero momentum. Physical Review D, 2015, 92, .	4.7	9
53	Lattice baryon spectroscopy with multiparticle interpolators. Physical Review D, 2015, 91, .	4.7	24
54	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

#	ARTICLE	IF	CITATIONS
55	Lattice QCD Evidence that the $\frac{1}{\Lambda^2} \int d^4x \bar{\psi} \gamma_5 \psi$ is not a total derivative. Physical Review D, 2015, 92, 054002.	7.37	10
56	Magnetic properties of the nucleon in a uniform background field. Physical Review D, 2014, 89, .	4.7	35
57	Nucleon excited state wave functions from lattice QCD. Physical Review D, 2014, 89, .	4.7	20
58	Finite-volume and partial quenching effects in the magnetic polarizability of the neutron. Physical Review D, 2014, 89, .	4.7	27
59	Searching for low-lying multi-particle thresholds in lattice spectroscopy. Annals of Physics, 2014, 342, 270-282.	2.8	12
60	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
61	Visualizations of coherent center domains in local Polyakov loops. Annals of Physics, 2014, 348, 341-361.	2.8	8
62	Structure and flow of the nucleon eigenstates in lattice QCD. Physical Review D, 2013, 87, .	4.7	38
63	Finite-volume matrix Hamiltonian model for a $\hat{H} = \hat{T} + \hat{V}$ system. Physical Review D, 2013, 87, .	4.7	46
64	Finite-volume corrections to charge radii. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 101-105.	4.1	9
65	Wave function of the Roper from lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 164-169.	4.1	23
66	Variational approach to the calculation of $\langle \bar{\psi} \gamma_5 \psi \rangle$ in lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 217-223.	4.1	35
67	Chiral extrapolations for nucleon electric charge radii. Physical Review D, 2013, 88, .	4.7	21
68	Quark propagation in the instantons of lattice QCD. Physical Review D, 2013, 88, .	4.7	9
69	Low-lying odd-parity states of the nucleon in lattice QCD. Physical Review D, 2013, 87, .	4.7	30
70	Nucleon excitations in 2+1 flavor QCD. , 2012, , .		2
71	Exploring excited states of the nucleon in 2+1 flavor lattice QCD. , 2012, , .		1
72	Accessing high momentum states in lattice QCD. Physical Review D, 2012, 86, .	4.7	4

#	ARTICLE	IF	CITATIONS
73	Chiral extrapolation of nucleon magnetic moments at next-to-leading-order. Physical Review D, 2012, 86, .	4.7	16
74	Isolating the $\hat{b}(1405)$ in Full QCD. , 2011, , .	7.8	66
75	Chiral extrapolation of nucleon magnetic moments at next-to-leading-order. Physical Review D, 2012, 86, .	4.7	16
76	Bosonic stringlike behavior and the ultraviolet filtering of QCD. Physical Review D, 2012, 85, .	4.7	11
77	Chiral extrapolations for nucleon magnetic moments. Physical Review D, 2012, 85, .	4.7	22
78	Roper resonance in $\chi$ baryons. Physical Review D, 2012, 85, .	4.1	53
79	Centre vortices and the quark propagator. , 2012, , .		0
80	Magnetic properties of the neutron in a uniform background field. , 2012, , .		0
81	Instanton contributions to the low-lying hadronic mass spectrum. , 2012, , .		0
82	Correlation matrix methods for excited meson form factors in Full QCD. , 2012, , .		3
83	Odd-parity Nucleon Eigenstates in Full QCD. , 2012, , .		0
84	Baryon resonances and hadronic interactions in a finite volume. , 2012, , .		0
85	The Influence of Instantons on the Quark Propagator. , 2012, , .		0
86	Chiral extrapolation beyond the power-counting regime. Physical Review D, 2011, 84, .	4.7	9
87	Role of center vortices in chiral symmetry breaking in SU(3) gauge theory. Physical Review D, 2011, 84, .	4.7	35
88	The $\hat{b}(1405)$ in Full QCD. , 2011, , .		1
89	On the ground state of Yang-Mills theory. Annals of Physics, 2011, 326, 2165-2173.	2.8	5
90	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

#	ARTICLE	IF	CITATIONS
91	Proton Wave Functions in a Uniform Magnetic Field. , 2011, , .		0
92	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
93	Roper Resonance in 2+1 Flavor QCD. , 2011, , .		1
94	Chiral Effective Field Theory Beyond the Power-Counting Regime. , 2011, , .		1
95	The Thermal Delocalization of the Flux Tubes in Mesons and Baryons. AIP Conference Proceedings, 2011, , .	0.4	7
96	Extracting Low-Lying Lambda Resonances Using Correlation Matrix Techniques. , 2011, , .		3
97	Magnetic Properties of the Proton and Neutron. , 2011, , .		0
98	Ordering of spin- excitations of the nucleon in lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 351-357.	4.1	22
99	An analysis of the nucleon spectrum from lattice partially-quenched QCD. Nuclear Physics A, 2010, 840, 97-119.	1.5	14
100	Shape of the proton in a uniform magnetic field. , 2010, , .		0
101	Chiral behavior of baryon magnetic moments. , 2010, , .		0
102	Power counting regime of chiral effective field theory and beyond. Physical Review D, 2010, 82, .	4.7	17
103	Preconditioning maximal center gauge with stout link smearing in $S(U_3)$ . Physical Review D, 2010, 82, .	4.7	14
104	Positive-parity excited states of the nucleon in quenched lattice QCD. Physical Review D, 2010, 82, .	4.7	18
105	String effects and the distribution of the glue in static mesons at finite temperature. Physical Review D, 2010, 82, .	4.7	16
106	Phase transition from quark-meson coupling hyperonic matter to deconfined quark matter. Physical Review C, 2009, 79, .	2.9	18
107	Strange magnetic form factor of the proton at $Q^2=0.23 \text{ GeV}^2$ . Physical Review C, 2009, 79, .	2.9	47
108	Isolating excited states of the nucleon in lattice QCD. Physical Review D, 2009, 80, .	4.7	27

#	ARTICLE	IF	CITATIONS
109	Comparison of gluon flux-tube distributions for quark-diquark and quark-antiquark hadrons. Physical Review D, 2009, 80, .	4.7	23
110	Isolating the Roper resonance in lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 418-422.	4.1	17
111	Electromagnetic structure of decuplet baryons towards the chiral regime. Physical Review D, 2009, 80, .	4.7	46
112	Chiral extrapolation of octet-baryon charge radii. Physical Review D, 2009, 79, .	4.7	47
113	Stout-link smearing in lattice fermion actions. Physical Review D, 2009, 80, .	4.7	3
114	Publisher's Note: Vacuum structure revealed by over-improved stout-link smearing compared with the overlap analysis for quenched QCD [Phys. Rev. D77, 074502 (2008)]. Physical Review D, 2008, 77, .	4.7	10
115	Over-improved stout-link smearing. Physical Review D, 2008, 77, .	4.7	31
116	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
117	Realistic lattice determination of $\langle \bar{\psi} \psi \rangle$ and $\langle \bar{\psi} \psi \rangle^2$ . Physical Review D, 2008, 77, .	4.7	31
118	Center vortices and the quark propagator in SU(2) gauge theory. Physical Review D, 2008, 78, .	4.7	22
119	Impact of dynamical fermions on QCD vacuum structure. Physical Review D, 2008, 78, .	4.7	13
120	Scaling analysis of fat-link irrelevant clover fermion actions. Physical Review D, 2008, 77, .	4.7	2
121	SOME RECENT LATTICE QCD RESULTS FROM THE CSSM. International Journal of Modern Physics A, 2007, 22, 5053-5061.	1.5	2
122	Pseudoscalar and vector meson form factors from lattice QCD. Physical Review D, 2007, 75, .	4.7	64
123	Chiral extrapolation of nucleon magnetic form factors. Physical Review D, 2007, 75, .	4.7	50
124	Exotic Hadrons on the Lattice. Progress of Theoretical Physics Supplement, 2007, 168, 36-44.	0.1	1
125	Unquenching effects in the quark and gluon propagator. Physical Review D, 2007, 76, .	4.7	45
126	Scaling behavior and positivity violation of the gluon propagator in full QCD. Physical Review D, 2007, 76, .	4.7	127



#	ARTICLE	IF	CITATIONS
127	Gluon flux-tube distribution and linear confinement in baryons. <i>Physical Review D</i> , 2007, 76, .	4.7	57
128	Even parity excitations of the nucleon in lattice QCD. <i>Physical Review D</i> , 2007, 76, .	4.7	15
129	Quark-gluon vertex in general kinematics. <i>European Physical Journal C</i> , 2007, 50, 871-875.	3.9	48
130	$1^{++}$ Exotic on the Lattice with FLIC Fermions. , 2007, , .		0
131	Scaling behavior of the quark propagator in full QCD. <i>Physical Review D</i> , 2006, 73, .	4.7	94
132	Precision electromagnetic structure of octet baryons in the chiral regime. <i>Physical Review D</i> , 2006, 74, .	4.7	69
133	Symbiosis in the Bak-Sneppen model for biological evolution with economic applications. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 365, 499-508.	2.6	8
134	Scale-free avalanche dynamics in the stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 132-139.	2.6	16
135	Effects of dynamical FLIC fermions in the quark and gluon propagator. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 161, 109-115.	0.4	2
136	Lattice QCD Studies of Pentaquarks and Exotics. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 153, 348-353.	0.4	2
137	QCD propagators: some results from the lattice. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 161, 27-33.	0.4	5
138	Some recent research highlights from the CSSM. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 161, 248-255.	0.4	0
139	Role of centre vortices in dynamical mass generation. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 161, 130-135.	0.4	13
140	Effects of dynamical sea-quarks on quark and gluon propagators. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	5
141	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
142	Strange Electric Form Factor of the Proton. <i>Physical Review Letters</i> , 2006, 97, 022001.	7.8	89
143	Spin-glass behavior of the antiferromagnetic Ising model on a scale-free network. <i>Physical Review B</i> , 2006, 73, .	3.2	20
144	Scale-free networks in complex systems. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
145	Finite volume dependence of hadron properties and lattice QCD. Journal of Physics: Conference Series, 2005, 9, 321-330.	0.4	5
146	Properties of the FLIC overlap quark propagator. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 217-222.	0.4	0
147	Improved chiral properties of FLIC fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 616, 196-202.	4.1	17
148	Self-organized criticality and stock market dynamics: an empirical study. Physica A: Statistical Mechanics and Its Applications, 2005, 350, 451-465.	2.6	26
149	Liquid-gas phase transition and Coulomb instability of asymmetric nuclear systems. Nuclear Physics A, 2005, 748, 226-240.	1.5	19
150	Extrapolation of lattice QCD results beyond the power-counting regime. Nuclear Physics A, 2005, 755, 59-70.	1.5	27
151	Overlap quark propagator in Landau and Laplacian gauges. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 15-21.	0.4	4
152	Gluon field distribution in baryons. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 22-25.	0.4	21
153	Finite-range regularisation and chiral extrapolation. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 233-237.	0.4	6
154	Chiral SU(3) quark mean-field model for hadronic systems. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 273-278.	0.4	0
155	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
156	Systematic uncertainties in the precise determination of the strangeness magnetic moment of the nucleon. European Physical Journal A, 2005, 24, 79-84.	2.5	22
157	Chiral and continuum extrapolation of partially-quenched lattice results. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 628, 125-130.	4.1	48
158	FLIC Mesons: hybrids and exotics. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 43-46.	0.4	0
159	Quark-gluon vertex in arbitrary kinematics. Nuclear Physics, Section B, Proceedings Supplements, 2005, 141, 244-249.	0.4	29
160	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
161	Stochastic opinion formation in scale-free networks. Physical Review E, 2005, 72, 046113.	2.1	41
162	Nonperturbative renormalization of composite operators with overlap fermions. Physical Review D, 2005, 72, .	4.7	13

#	ARTICLE	IF	CITATIONS
163	Neutron stars and strange stars in the chiral SU(3) quark mean field model. Physical Review C, 2005, 72, .	2.9	18
164	Unquenched quark propagator in Landau gauge. Physical Review D, 2005, 71, .	4.7	168
165	$1\hat{\Lambda}^+$ exotic meson at light quark masses. Physical Review D, 2005, 72, .	4.7	40
166	Precise Determination of the Strangeness Magnetic Moment of the Nucleon. Physical Review Letters, 2005, 94, 212001.	7.8	133
167	Search for the pentaquark resonance signature in lattice QCD. Physical Review D, 2005, 72, .	4.7	23
168	SELF-SIMILAR LOG-PERIODIC STRUCTURES IN WESTERN STOCK MARKETS FROM 2000. International Journal of Modern Physics C, 2005, 16, 1347-1361.	1.7	38
169	Spin-3/2 pentaquark resonance signature in lattice QCD. Physical Review D, 2005, 72, .	4.7	18
170	Leading quenching effects in the proton magnetic moment. Physical Review D, 2005, 71, .	4.7	54
171	Scaling of fat-link irrelevant-clover fermions. Physical Review D, 2005, 71, .	4.7	33
172	Fat link irrelevant clover overlap quark propagator. Physical Review D, 2005, 71, .	4.7	11
173	Quark propagator in Landau and Laplacian gauges with overlap fermions. Physical Review D, 2005, 71, .	4.7	33
174	Light-Quark FLIC Fermion Simulations of the $1\rightarrow$ Exotic Meson. , 2005, , .		0
175	Spin-3/2 Pentaquark Resonance Signature. , 2005, , .		0
176	Power Counting Regime of Chiral Extrapolation and Beyond. , 2005, , .		3
177	Chiral and Continuum Extrapolation of Partially-Quenched Hadron Masses. , 2005, , .		0
178	The Nucleon Mass in Chiral Effective Field Theory. , 2005, , 113-120.		0
179	Liquid-gas phase transition in nuclear matter including strangeness. Physical Review C, 2004, 70, .	2.9	15
180	Limits on variations of the quark masses, QCD scale, and fine structure constant. Physical Review D, 2004, 69, .	4.7	123

#	ARTICLE	IF	CITATIONS
181	Quark contributions to baryon magnetic moments in full, quenched, and partially quenched QCD. Physical Review D, 2004, 69, .	4.7	52
182	Hybrid Monte Carlo algorithm with fat link fermion actions. Physical Review D, 2004, 70, .	4.7	28
183	Physical Nucleon Properties from Lattice QCD. Physical Review Letters, 2004, 92, 242002.	7.8	155
184	Scaling behavior of the overlap quark propagator in the Landau gauge. Physical Review D, 2004, 70, .	4.7	24
185	Hamiltonian limit of (3+1)-dimensional SU(3) lattice gauge theory on anisotropic lattices. Physical Review D, 2004, 69, .	4.7	9
186	Towards a Connection between Nuclear Structure and QCD. Progress of Theoretical Physics Supplement, 2004, 156, 124-136.	0.1	29
187	Infrared and ultraviolet properties of the Landau gauge quark propagator. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 23-29.	0.4	37
188	Electromagnetic form factors with FLIC fermions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 233-239.	0.4	11
189	Nucleon electromagnetic form factors from lattice QCD. European Physical Journal A, 2004, 19, 9-14.	2.5	35
190	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
191	Dynamical fat link fermions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 96-99.	0.4	2
192	Looking inside the quark-gluon vertex. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 117-124.	0.4	3
193	The strangeness magnetic moment of the nucleon from FLIC fermions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 132-140.	0.4	1
194	Hybrid meson spectrum from the FLIC action. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 221-226.	0.4	4
195	Chiral extrapolation and physical insights. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 227-232.	0.4	9
196	Nonperturbative renormalisation of composite operators with overlap quarks. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 240-247.	0.4	10
197	Observing chiral nonanalytic behavior with FLIC fermions. Nuclear Physics A, 2004, 737, 177-181.	1.5	5
198	New treatment of the chiral quark mean field model. Nuclear Physics A, 2004, 744, 273-292.	1.5	16

#	ARTICLE	IF	CITATIONS
199	Comparison of $ Q =1$ and $ Q =2$ gauge-field configurations on the lattice four-torus. <i>Annals of Physics</i> , 2004, 311, 267-287.	2.8	8
200	Unquenched gluon propagator in Landau gauge. <i>Physical Review D</i> , 2004, 70, .	4.7	129
201	Recent developments in quark nuclear physics. <i>European Physical Journal A</i> , 2003, 18, 241-245.	2.5	3
202	FLIC fermions and hadron phenomenology. <i>European Physical Journal A</i> , 2003, 18, 247-252.	2.5	11
203	Highly improved lattice field-strength tensor. <i>Annals of Physics</i> , 2003, 304, 1-21.	2.8	78
204	Convergence of chiral effective field theory. <i>Progress in Particle and Nuclear Physics</i> , 2003, 50, 399-417.	14.4	122
205	Chiral nonanalytic behaviour: The Edinburgh plot. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 236-238.	0.4	1
206	Modelling the quark propagator. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 323-325.	0.4	58
207	Light quark simulations with FLIC fermions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 290-292.	0.4	0
208	Excited baryons from the FLIC fermion action. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 293-295.	0.4	3
209	Spin-3/2 baryons in lattice QCD. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 299-301.	0.4	1
210	Delta baryon magnetic moments from lattice QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 563, 157-164.	4.1	51
211	Progress in the calculation of nucleon form factors and parton distribution functions. <i>Nuclear Physics A</i> , 2003, 721, C915-C921.	1.5	3
212	FLIC overlap fermions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 825-827.	0.4	0
213	Towards the continuum limit of the overlap quark propagator in Landau gauge. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 831-833.	0.4	7
214	Panel discussion on chiral extrapolation of physical observables. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 170-184.	0.4	41
215	FLIC-overlap fermions and topology. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 119, 828-830.	0.4	2
216	Excited baryons in lattice QCD. <i>Physical Review D</i> , 2003, 67, .	4.7	85

#	ARTICLE	IF	CITATIONS
217	Spin-3/2 nucleon and $\Delta$ baryons in lattice QCD. Physical Review D, 2003, 68, .	4.7	45
218	QCD AND HADRON STRUCTURE. Modern Physics Letters A, 2003, 18, 347-355.	1.2	1
219	Nonperturbative structure of the quark-gluon vertex. Journal of High Energy Physics, 2003, 2003, 047-047.	4.7	99
220	Accelerated overlap fermions. Physical Review D, 2002, 66, .	4.7	32
221	Gluon propagator on coarse lattices in Laplacian gauges. Physical Review D, 2002, 66, .	4.7	23
222	Hadron masses from novel fat-link fermion actions. Physical Review D, 2002, 65, .	4.7	90
223	Improved smoothing algorithms for lattice gauge theory. Physical Review D, 2002, 65, .	4.7	26
224	Numerical study of the lattice index theorem using improved cooling and overlap fermions. Physical Review D, 2002, 65, .	4.7	13
225	Overlap quark propagator in the Landau gauge. Physical Review D, 2002, 65, .	4.7	53
226	Simple quark model with chiral phenomenology. Physical Review C, 2002, 65, .	2.9	26
227	Chiral analysis of quenched baryon masses. Physical Review D, 2002, 66, .	4.7	116
228	Low-lying eigenmodes of the Wilson $\not{D}$ Dirac operator and correlations with topological objects. Nuclear Physics B, 2002, 628, 253-269.	2.5	10
229	$N^*$ masses from an anisotropic lattice QCD action. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 248-250.	0.4	10
230	Quenched chiral perturbation theory for baryon form factors. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 45-49.	0.4	9
231	Hadron mass extraction from lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 50-54.	0.4	3
232	Chiral behaviour of baryon masses in quenched lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 55-59.	0.4	6
233	Baryon resonances from a novel fat-link fermion action. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 96-100.	0.4	5
234	Cooling for instantons and the wrath of Nahm. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 116-120.	0.4	14

#	ARTICLE	IF	CITATIONS
235	Quark propagator in a covariant gauge. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 158-162.	0.4	0
236	Improving the low-lying spectrum of the overlap kernel. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 81-85.	0.4	2
237	Novel fat-link fermion actions. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 101-105.	0.4	6
238	Overlap fermions, improved cooling and the lattice index theorem. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 146-150.	0.4	1
239	BARYON RESONANCE PHENOMENOLOGY. , 2002, , .		2
240	THE TRANSITION FROM NONPERTURBATIVE TO PERTURBATIVE QCD. , 2002, , .		1
241	QUENCHED CHIRAL PHYSICS IN BARYON MASSES. , 2002, , .		0
242	HADRON MASSES FROM A NOVEL FAT-LINK FERMION ACTION. , 2002, , .		0
243	A new slant on hadron structure. Pramana - Journal of Physics, 2001, 57, 251-261.	1.8	36
244	Theoretical perspective on the nucleon strange magnetic form factor. Nuclear Physics A, 2001, 680, 117-124.	1.5	1
245	The sigma commutator from lattice QCD. Nuclear Physics A, 2001, 680, 137-140.	1.5	6
246	Lattice QCD calculations of hadron structure: Constituent quarks and chiral symmetry. Nuclear Physics A, 2001, 684, 35-43.	1.5	2
247	General Algorithm for Improved Lattice Actions on Parallel Computing Architectures. Journal of Computational Physics, 2001, 170, 1-17.	3.8	34
248	Infinite volume and continuum limits of the Landau-gauge gluon propagator. Physical Review D, 2001, 64, .	4.7	145
249	Nonperturbative improvement and tree-level correction of the quark propagator. Physical Review D, 2001, 64, .	4.7	54
250	Chiral behavior of the rho meson in lattice QCD. Physical Review D, 2001, 64, .	4.7	69
251	Chiral Symmetry and the Intrinsic Structure of the Nucleon. Physical Review Letters, 2001, 86, 5011-5014.	7.8	52
252	MESON CLOUD CONSIDERATIONS IN THE STRANGE MAGNETIC MOMENT OF THE NUCLEON FROM LATTICE QCD. , 2001, , .		0

#	ARTICLE	IF	CITATIONS
253	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
254	Incorporating chiral symmetry in extrapolations of octet baryon magnetic moments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 489, 143-147.	4.1	54
255	Incorporating chiral symmetry and heavy quark theory in extrapolations of octet baryon charge radii. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 494, 89-99.	4.1	48
256	Baryon mass extrapolation. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 179-181.	0.4	4
257	Improved Landau gauge fixing and discretisation errors. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 905-907.	0.4	4
258	Chiral corrections to baryon masses calculated within lattice QCD. Nuclear Physics A, 2000, 663-664, 973c-976c.	1.5	2
259	Infrared behavior of the gluon propagator on a large volume lattice. Physical Review D, 2000, 62, .	4.7	90
260	Calibration of smearing and cooling algorithms in SU(3)-color gauge theory. Physical Review D, 2000, 62, .	4.7	31
261	Baryon masses from lattice QCD: Beyond the perturbative chiral regime. Physical Review D, 2000, 61, .	4.7	107
262	Lattice QCD analysis of the strangeness magnetic moment of the nucleon. Physical Review D, 2000, 62, .	4.7	55
263	Asymptotic scaling and infrared behavior of the gluon propagator. Physical Review D, 1999, 60, .	4.7	133
264	Nucleon magnetic moments beyond the perturbative chiral regime. Physical Review D, 1999, 60, .	4.7	91
265	Valence QCD: Connecting QCD to the quark model. Physical Review D, 1999, 59, .	4.7	64
266	Light hadron spectroscopy on coarse lattices with $O(a^2)$ mean-field-improved actions. Physical Review D, 1999, 59, .	4.7	13
267	Negative-parity baryon spectroscopy. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 258-260.	0.4	57
268	The structure of the gluon propagator. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 626-628.	0.4	4
269	Modelling the gluon propagator. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 629-631.	0.4	2
270	Discretisation Errors in Landau Gauge on the Lattice. Australian Journal of Physics, 1999, 52, 939.	0.6	30



#	ARTICLE	IF	CITATIONS
271	Gluon propagator in the infrared region. <i>Physical Review D</i> , 1998, 58, .	4.7	86
272	New QCD sum rules for nucleon axial-vector coupling constants. <i>Physical Review D</i> , 1997, 55, 4066-4082.	4.7	12
273	QCD Sum Rules for Skeptics. <i>Annals of Physics</i> , 1997, 254, 328-396.	2.8	154
274	Mesonic width effects on the momentum dependence of the $\bar{s}s$ mixing matrix element. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 367, 45-49.	4.1	16
275	Background-field formalism in nonperturbative QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 385, 52-56.	4.1	21
276	$\bar{s}s$ - $\bar{c}c$ 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
277	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
278	QCD equalities for baryon current matrix elements. <i>Physical Review D</i> , 1996, 53, 5115-5124.	4.7	57
279	Essential strangeness in nucleon magnetic moments. <i>Nuclear Physics A</i> , 1995, 585, 341-342.	1.5	6
280	Nucleon properties from unconventional interpolating fields. <i>Physical Review D</i> , 1995, 51, 6383-6393.	4.7	65
281	Testing QCD sum rule techniques on the lattice. <i>Physical Review D</i> , 1995, 51, 6369-6382.	4.7	25
282	Valid QCD sum rules for vector mesons in nuclear matter. <i>Physical Review C</i> , 1995, 52, 3344-3352.	2.9	65
283	Unquenching the $\eta$ meson. <i>Physical Review D</i> , 1994, 49, 3512-3518.	4.7	21
284	Hadron electromagnetic structure: Shedding light on models and their mechanisms. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1994, 34, 383-385.	0.4	1
285	A few points on point-to-point correlation functions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1994, 34, 407-410.	0.4	2
286	Nucleon and hyperon electromagnetic transitions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1993, 30, 427-430.	0.4	0
287	Chiral corrections to lattice calculations of charge radii. <i>Physical Review D</i> , 1993, 47, 2147-2150.	4.7	31
288	Baryon octet to decuplet electromagnetic transitions. <i>Physical Review D</i> , 1993, 48, 2230-2249.	4.7	84

#	ARTICLE	IF	CITATIONS
289	Do quarks really form diquark clusters in the nucleon?. Physical Review D, 1993, 47, 5096-5103.	4.7	20
290	Lattice QCD evaluation of baryon magnetic-moment sum rules. Physical Review D, 1992, 45, 252-258.	4.7	18
291	Decuplet baryon structure from lattice QCD. Physical Review D, 1992, 46, 3067-3085.	4.7	146
292	Multipole moments of spin particles. Nuclear Physics, Section B, Proceedings Supplements, 1992, 26, 403-405.	0.4	0
293	Lattice calculation of baryonic electromagnetic form factors. Nuclear Physics A, 1991, 527, 531-534.	1.5	4
294	On the electromagnetic properties of the Baryon octet. Nuclear Physics, Section B, Proceedings Supplements, 1991, 20, 463-466.	0.4	2
295	Electromagnetic structure of octet baryons. Physical Review D, 1991, 43, 1659-1678.	4.7	145
296	QCD sum rule analysis of spin-orbit splitting in baryons. Annals of Physics, 1990, 198, 203-251.	2.8	51
297	Electromagnetic form factors of spin- $\frac{1}{2}$ baryons. Physical Review D, 1990, 42, 3567-3571.	4.7	78
298	Momentum-dependent effects in the decays of charmonium and upsilon. Nuclear Physics A, 1987, 470, 477-487.	1.5	2
299	Vector-meson decay and the pion-quark coupling constant. Nuclear Physics A, 1986, 457, 529-540.	1.5	2
300	Quark Propagator from LQCD and Its Physical Implications. , 0, , 17-63.		12
301	Baryon Spectroscopy in Lattice QCD. , 0, , 71-112.		40
302	Hadron Structure and QCD: Effective Field Theory for Lattice Simulations. , 0, , 113-129.		2
303	Hadron Properties with FLIC Fermions. , 0, , 199-225.		2