

George Fleming

List of Publications by Year in descending order

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89
papers

2,240
citations

257450

24
h-index

214800

47
g-index

91
all docs

91
docs citations

91
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleon generalized parton distributions from full lattice QCD. Physical Review D, 2008, 77, .	4.7	204
2	Lattice Study of the Conformal Window in QCD-like Theories. Physical Review Letters, 2008, 100, 171607.	7.8	199
3	Lattice study of conformal behavior in SU(3) Yang-Mills theories. Physical Review D, 2009, 79, .	4.7	137
4	Light hadron spectroscopy using domain wall valence quarks on an asqtad sea. Physical Review D, 2009, 79, .	4.7	137
5	Nucleon Axial Charge in Full Lattice QCD. Physical Review Letters, 2006, 96, 052001.	7.8	130
6	Quenched lattice QCD with domain wall fermions and the chiral limit. Physical Review D, 2004, 69, .	4.7	106
7	Kaon matrix elements and CP violation from quenched lattice QCD: The 3-flavor case. Physical Review D, 2003, 68, .	4.7	94
8	Lattice simulations and infrared conformality. Physical Review D, 2011, 84, .	4.7	66
9	Hadronic physics with domain-wall valence and improved staggered sea quarks. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 255-260.	0.4	64
10	Lattice QCD determination of patterns of excited baryon states. Physical Review D, 2007, 76, .	4.7	64
11	Clebsch-Gordan construction of lattice interpolated fields for excited baryons. Physical Review D, 2005, 72, .	4.7	63
12	Supersymmetric Yang-Mills theory on the lattice with domain wall fermions. Physical Review D, 2001, 64, .	4.7	62
13	Toward TeV Conformality. Physical Review Letters, 2010, 104, 071601.	7.8	60
14	Lattice computations of the pion form factor. Physical Review D, 2005, 72, .	4.7	56
15	Group-theoretical construction of extended baryon operators in lattice QCD. Physical Review D, 2005, 72, .	4.7	55
16	Investigating the Antibacterial Properties of Inverse Vulcanized Sulfur Polymers. ACS Omega, 2020, 5, 5229-5234.	3.5	48
17	Exploring strange nucleon form factors on the lattice. Physical Review D, 2012, 85, .	4.7	47
18	Angular momentum on the lattice: The case of nonzero linear momentum. Physical Review D, 2006, 73, .	4.7	45

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19	Insight into nucleon structure from lattice calculations of moments of parton and generalized parton distributions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 170-178.	0.4	43
20	Lattice super-Yang-Mills using domain wall fermions in the chiral limit. Physical Review D, 2009, 79, .	4.7	37
21	Parity Doubling and the SParameter below the Conformal Window. Physical Review Letters, 2011, 106, 231601.	7.8	37
22	Lattice calculation of composite dark matter form factors. Physical Review D, 2013, 88, .	4.7	34
23	Multiparticle states and the hadron spectrum on the lattice. Physical Review D, 2006, 74, .	4.7	26
24	Finite temperature QCD phase transition with domain wall fermions. Physical Review D, 2001, 64, .	4.7	24
25	Lattice gauge theory for physics beyond the Standard Model. European Physical Journal A, 2019, 55, 1.	2.5	23
26	Nitric Oxide Releasing Titanium Surfaces for Antimicrobial Bone-Integrating Orthopedic Implants. ACS Applied Materials & Interfaces, 2020, 12, 22433-22443.	8.0	23
27	Lattice radial quantization: 3D Ising. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 299-305.	4.1	20
28	Up Quark Mass in Lattice QCD with Three Light Dynamical Quarks and Implications for StrongCPIvariance. Physical Review Letters, 2003, 90, 021601.	7.8	19
29	Near-conformal dynamics in a chirally broken system. Physical Review D, 2021, 103, .	4.7	18
30	Magnetic sulfur-doped carbons for mercury adsorption. Journal of Colloid and Interface Science, 2021, 603, 728-737.	9.4	17
31	Lattice Dirac fermions on a simplicial Riemannian manifold. Physical Review D, 2017, 95, .	4.7	16
32	Excited-state effective masses in lattice QCD. Physical Review D, 2009, 80, .	4.7	14
33	Improved search for elementary particles with fractional electric charge. Physical Review D, 1996, 53, 6017-6032.	4.7	13
34	Weak matrix elements for CP violation. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 311-313.	0.4	13
35	Moments of nucleon spin-dependent generalized parton distributions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 907-909.	0.4	13
36	Lattice ϕ^4 field theory on Riemann manifolds: Numerical tests for the 2D Ising CFT on S^2 . Physical Review D, 2018, 98, .	4.7	12

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37	Calculating using HYP staggered fermions. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 369-371.	0.4	11
38	Testing improved staggered fermions withmsandBK. Physical Review D, 2005, 71, .	4.7	11
39	A survey for variable young stars with small telescopes: II " mapping a protoplanetary disc with stable structures at 0.15 au. Monthly Notices of the Royal Astronomical Society, 2020, 493, 184-198.	4.4	9
40	Analysis of spectra using matrices of correlation functions based on irreducible baryon operators. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 278-280.	0.4	7
41	Radial lattice quantization of 3D $\bar{1}\cdot 4$ field theory. Physical Review D, 2021, 104, .	4.7	7
42	Insight into nucleon structure from generalized parton distributions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 910-912.	0.4	6
43	Dynamical lattice QCD thermodynamics with domain wall fermions. Nuclear Physics A, 2000, 663-664, 979c-982c.	1.5	5
44	Baryon operators and spectroscopy in lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 186-192.	0.4	5
45	First principles calculations of nucleon and pion form factors: understanding the building blocks of nuclear matter from lattice QCD. Journal of Physics: Conference Series, 2005, 16, 174-178.	0.4	5
46	Baryon operators and baryon spectroscopy. Nuclear Physics, Section B, Proceedings Supplements, 2006, 153, 242-249.	0.4	5
47	Thermodynamics of free domain wall and overlap fermions. Nuclear Physics, Section B, Proceedings Supplements, 2001, 94, 393-397.	0.4	4
48	Is the up quark massless?. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 221-223.	0.4	4
49	$\text{Im}A_0$, $\text{Im}A_2$, and $\tilde{\mu}^2$ from quenched lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 317-319.	0.4	4
50	Mesonic form factors. Nuclear Physics, Section B, Proceedings Supplements, 2004, 128, 59-65.	0.4	4
51	Baryonic operators for lattice simulations. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 236-238.	0.4	4
52	$\langle W \rangle \langle W \rangle$ scattering parameters via pseudoscalar phase shifts. Physical Review D, 2012, 85, .	4.7	4
53	A survey for variable young stars with small telescopes " IV. Rotation periods of YSOs in IC 5070. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5989-6000.	4.4	4
54	LATTICE SUPERSYMMETRY WITH DOMAIN WALL FERMIONS. International Journal of Modern Physics A, 2001, 16, 1207-1209.	1.5	3

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55	Staggered domain wall fermions. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 724-729.	0.4	3
56	The pion electromagnetic form factor. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 206-208.	0.4	3
57	Looking for pentaquarks in lattice QCD. Journal of Physics: Conference Series, 2005, 9, 226-229.	0.4	3
58	Gasser-Leutwyler coefficients: A progress report. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 245-247.	0.4	2
59	Gasser-Leutwyler coefficients from partially quenched lattice QCD. Nuclear Physics A, 2003, 721, C883-C886.	1.5	2
60	Mass spectrum of $N\hat{a}^-$ and source optimization. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 209-211.	0.4	2
61	Understanding hadron structure from lattice QCD in the SciDAC era. Journal of Physics: Conference Series, 2005, 16, 150-159.	0.4	2
62	Pion form factor using domain wall valence and asqtad sea quarks. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 302-304.	0.4	2
63	Baryonic sources using irreducible representations of the double-covered octahedral group. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 281-283.	0.4	2
64	Group-theoretical construction of extended baryon operators. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 287-289.	0.4	2
65	Calculation of the nucleon axial charge in lattice QCD. Journal of Physics: Conference Series, 2006, 46, 152-156.	0.4	2
66	Hadron Structure from Lattice QCD. International Journal of Modern Physics A, 2006, 21, 720-725.	1.5	2
67	Glueballs Condensing at the CCNI: 4096 CPUs Weigh In. , 2008, , .		2
68	THE PROPAGATION AND PREVENTION OF RABIES.1. Lancet, The, 1891, 138, 342-343.	13.7	1
69	Staggered domain wall fermion method. Physical Review D, 2002, 66, .	4.7	1
70	Results and Frontiers in Lattice Baryon Spectroscopy. AIP Conference Proceedings, 2007, , .	0.4	1
71	Automated label flows for excited states of correlation functions in lattice gauge theory. Physical Review E, 2020, 102, 043303.	2.1	1
72	From Lattice Strong Dynamics to Phenomenology. , 2014, , .		1

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73	CROUP AND DIPHTHERIA.. Lancet, The, 1875, 105, 662-663.	13.7	0
74	"GARGET" AND DIPHTHERIA v. COMPARATIVE PATHOLOGY.. Lancet, The, 1879, 113, 137-138.	13.7	0
75	HUMAN AND ANIMAL VARIOLĀ†: A STUDY IN COMPARATIVE PATHOLOGY.. Lancet, The, 1880, 115, 246-248.	13.7	0
76	SCARLET FEVER, SMALL-POX, AND COW-POX.. Lancet, The, 1887, 130, 1291.	13.7	0
77	BOVINE AND HUMAN TUBERCULOSIS.. Lancet, The, 1888, 131, 698.	13.7	0
78	RABIES IN DEER.. Lancet, The, 1888, 131, 649.	13.7	0
79	" THE PREVENTION OF RABIES AND HYDROPHOBIA." . Lancet, The, 1890, 135, 822-823.	13.7	0
80	ON THE SPREAD OF INFLUENZA BY CONTAGION.. Lancet, The, 1891, 138, 1193-1194.	13.7	0
81	Creutz ratios from color-truncated lattice configurations. Physical Review D, 1995, 52, 6620-6622.	4.7	0
82	Re A0 and Re A2 from quenched lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 314-316.	0.4	0
83	Progress report on the staggered $\hat{\mu}^2/\hat{\mu}$ project. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 428-430.	0.4	0
84	Interacting staggered domain wall fermions. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 819-821.	0.4	0
85	Calculating weak matrix elements using HYP staggered fermions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 257-259.	0.4	0
86	Lattice QCD and nucleon resonances. Nuclear Physics A, 2004, 737, 167-171.	1.5	0
87	Hadronic Resonances from Lattice QCD. AIP Conference Proceedings, 2007, , .	0.4	0
88	<i>Ab initio</i> Hadron structure from lattice QCD. Journal of Physics: Conference Series, 2007, 78, 012019.	0.4	0
89	Exponential time series in lattice quantum field theory. , 2012, , 71-93.		0