

Stefan Krieg

List of Publications by Year in descending order

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72
papers

6,725
citations

117453

34
h-index

114278

63
g-index

76
all docs

76
docs citations

76
times ranked

3357
citing authors

#	ARTICLE	IF	CITATIONS
1	Full result for the QCD equation of state with $2+1$ flavors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 99-104.	1.5	753
2	The QCD equation of state with dynamical quarks. Journal of High Energy Physics, 2010, 2010, 1.	1.6	721
3	Is there still any T_c mystery in lattice QCD? Results with physical masses in the continuum limit III. Journal of High Energy Physics, 2010, 2010, 1.	1.6	659
4	The QCD phase diagram for external magnetic fields. Journal of High Energy Physics, 2012, 2012, 1.	1.6	528
5	The QCD transition temperature: results with physical masses in the continuum limit II. Journal of High Energy Physics, 2009, 2009, 088-088.	1.6	503
6	Ab Initio Determination of Light Hadron Masses. Science, 2008, 322, 1224-1227.	6.0	469
7	Fluctuations of conserved charges at finite temperature from lattice QCD. Journal of High Energy Physics, 2012, 2012, 1.	1.6	295
8	Ab initio calculation of the neutron-proton mass difference. Science, 2015, 347, 1452-1455.	6.0	263
9	High-precision scale setting in lattice QCD. Journal of High Energy Physics, 2012, 2012, 1.	1.6	213
10	QCD equation of state at nonzero chemical potential: continuum results with physical quark masses at order $\mathcal{O}(a^2)$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	211
11	Freeze-Out Parameters: Lattice Meets Experiment. Physical Review Letters, 2013, 111, 062005.	2.9	149
12	Freeze-Out Parameters from Electric Charge and Baryon Number Fluctuations: Is There Consistency?. Physical Review Letters, 2014, 113, 052301.	2.9	132
13	Hadronic Vacuum Polarization Contribution to the Anomalous Magnetic Moments of Leptons from First Principles. Physical Review Letters, 2018, 121, 022002.	2.9	116
14	Lattice QCD at the physical point: Light quark masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 265-268.	1.5	103
15	Lattice Computation of the Nucleon Scalar Quark Contents at the Physical Point. Physical Review Letters, 2016, 116, 172001.	2.9	102
16	Lattice QCD at the physical point: simulation and analysis details. Journal of High Energy Physics, 2011, 2011, 1.	1.6	101
17	Adaptive Aggregation-Based Domain Decomposition Multigrid for the Lattice Wilson-Dirac Operator. SIAM Journal of Scientific Computing, 2014, 36, A1581-A1608.	1.3	87
18	Sigma term and strangeness content of octet baryons. Physical Review D, 2012, 85, .	1.6	80

#	ARTICLE	IF	CITATIONS
19	Precision computation of the kaon bag parameter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 477-481.	1.5	76
20	Up, down, and strange nucleon axial form factors from lattice QCD. Physical Review D, 2017, 95, .	1.6	70
21	Nucleon electromagnetic form factors from lattice QCD using a nearly physical pion mass. Physical Review D, 2014, 90, .	1.6	68
22	Isospin Splittings in the Light-Baryon Octet from Lattice QCD and QED. Physical Review Letters, 2013, 111, 252001.	2.9	67
23	Modeling the spread of COVID-19 in Germany: Early assessment and possible scenarios. PLoS ONE, 2020, 15, e0238559.	1.1	67
24	Nucleon scalar and tensor charges from lattice QCD with light Wilson quarks. Physical Review D, 2012, 86, .	1.6	60
25	Nucleon structure from Lattice QCD using a nearly physical pion mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 734, 290-295.	1.5	60
26	High-precision calculation of the strange nucleon electromagnetic form factors. Physical Review D, 2015, 92, .	1.6	54
27	Up and Down Quark Masses and Corrections to Dashen's Theorem from Lattice QCD and Quenched QED. Physical Review Letters, 2016, 117, 082001.	2.9	48
28	Ratio $\frac{F_K}{F_\pi}$ from Lattice QCD. Physical Review D, 2010, 81, .	1.6	47
29	QCD thermodynamics with continuum extrapolated Wilson fermions I. Journal of High Energy Physics, 2012, 2012, 1.	1.6	46
30	SU(2) chiral perturbation theory low-energy constants from $2+1$ flavor staggered lattice simulations. Physical Review D, 2013, 88, .	1.6	42
31	Lattice QCD at the physical point meets $SU(2)_C$ chiral perturbation theory. Physical Review D, 2014, 90, .	1.6	35
32	Charmonium spectral functions from $2+1$ flavour lattice QCD. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
33	Computing the nucleon charge and axial radii directly at $2+1$ lattice QCD. Physical Review D, 2018, 97, .	1.6	35
34	Nucleon axial, scalar, and tensor charges using lattice QCD at the physical pion mass. Physical Review D, 2019, 99, .	1.6	35
35	Recent results on QCD thermodynamics: lattice QCD versus Hadron Resonance Gas model. Nuclear Physics A, 2011, 855, 253-256.	0.6	32
36	Scaling study of dynamical smeared-link clover fermions. Physical Review D, 2009, 79, .	1.6	31

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55	Transition temperature and the equation of state from lattice QCD, Wuppertalâ€“Budapest results. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124101.	1.4	6
56	Extracting the Single-Particle Gap in Carbon Nanotubes with Lattice Quantum Monte Carlo. EPJ Web of Conferences, 2018, 175, 03009.	0.1	5
57	QCD thermodynamics on the lattice and in the Hadron Resonance Gas model. Journal of Physics: Conference Series, 2011, 336, 012019.	0.3	4
58	Freeze-out conditions from fluctuations of conserved charges. Nuclear Physics A, 2014, 931, 802-807.	0.6	3
59	Fluctuations of conserved charges on the lattice and in heavy ion collisions. Journal of Physics: Conference Series, 2014, 535, 012030.	0.3	3
60	Excited-state effects in nucleon structure on the lattice using hybrid interpolators. Physical Review D, 2019, 100, .	1.6	3
61	Towards the P-wave nucleon-pion scattering amplitude in the $\Delta(1232)$ channel. , 2019, , .		3
62	Improving Inversions of the Overlap Operator. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 856-858.	0.5	1
63	QCD equation of state from the lattice. , 2011, , .		1
64	Fluctuations of conserved charges at finite temperature from lattice QCD. Journal of Physics: Conference Series, 2013, 432, 012012.	0.3	1
65	Nucleon form factors with light Wilson quarks. , 2014, , .		1
66	Simulation of full QCD using overlap fermions. Computer Physics Communications, 2007, 177, 249.	3.0	0
67	A comparison of methods to calculate the chiral condensate with overlap fermions. Computer Physics Communications, 2008, 179, 181-183.	3.0	0
68	Equation of state, fluctuations and other recent results from LQCD. Journal of Physics: Conference Series, 2014, 535, 012016.	0.3	0
69	From quarks to hadrons and back - spectral and bulk phenomena of strongly interacting matter. Journal of Physics: Conference Series, 2015, 640, 012053.	0.3	0
70	Lattice QCD results for the HVP contribution to the anomalous magnetic moments of leptons. EPJ Web of Conferences, 2018, 175, 06016.	0.1	0
71	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2012, 5, 1123.	0.0	0
72	Report: Thermodynamics with $2 + 1 + 1$ Dynamical Quark Flavors. , 2013, , 65-72.		0