

# Andre Sternbeck

## List of Publications by Year in descending order

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71  
papers

2,000  
citations

236833

25  
h-index

276775

41  
g-index

71  
all docs

71  
docs citations

71  
times ranked

762  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lattice results for the longitudinal spin structure and color forces on quarks in a nucleon. Physical Review D, 2022, 105, .	1.6	4
2	Nonperturbative renormalization in lattice QCD with three flavors of clover fermions: Using periodic and open boundary conditions. Physical Review D, 2021, 103, .	1.6	8
3	Quark-gluon vertex from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{G} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{a} \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle -\text{improved Wilson fermions. Physical Review D, 2021, 103, .$	1.6	19
4	Light-cone distribution amplitudes of octet baryons from lattice QCD. European Physical Journal A, 2019, 55, 1.	1.0	40
5	Nucleon generalized form factors from two-flavor lattice QCD. Physical Review D, 2019, 100, .	1.6	26
6	Quark propagator with two flavors of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi mathvariant="script"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{a} \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle -\text{improved Wilson fermions. Physical Review D, 2019, 99, .$	1.6	37
7	$\mathcal{N}=1$ Supersymmetric $SU(3)$ Gauge Theory - Pure Gauge sector with a twist. , 2019, , .		1
8	Towards lattice-assisted hadron physics calculations based on QCD n-point functions. , 2019, , .		0
9	QCD propagators and vertices from lattice QCD (in memory of Michael MÅ¼ller-PreuÅ¥ker). EPJ Web of Conferences, 2017, 137, 01020.	0.1	5
10	Non perturbative renormalization of flavor singlet quark bilinear operators in lattice QCD. , 2017, , .		2
11	Triple-gluon and quark-gluon vertex from lattice QCD in Landau gauge. , 2017, , .		17
12	Direct determinations of the nucleon and pion $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{f} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:math} \rangle \text{terms at nearly physical quark masses. Physical Review D, 2016, 93, .$	1.6	64
13	Light-cone distribution amplitudes of the baryon octet. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
14	Lattice Landau Gauge Quark Propagator and the Quark-Gluon Vertex. Acta Physica Polonica B, Proceedings Supplement, 2016, 9, 363.	0.0	15
15	Pion Distribution Amplitude from Lattice QCD. , 2016, , .		1
16	Second moment of the pion light-cone distribution amplitude from lattice QCD. Physical Review D, 2015, 92, .	1.6	57
17	Nucleon isovector couplings from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{G} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{a} \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle -\text{improved Wilson fermions. Physical Review D, 2015, 91, .$	1.6	19
18	Using NSPT for the Removal of Hypercubic Lattice Artifacts. , 2015, , .		0

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19	The Dyson-Schwinger equation of a link variable in lattice Landau gauge theory. , 2015, , .		1
20	The moment $\langle x \rangle$ of the nucleon from lattice QCD near the physical quark mass. , 2014, , .	1.6	38
21	Nucleon generalized form factors from lattice QCD near the physical quark mass. , 2014, , .		1
22	Pion structure from lattice QCD. , 2014, , .		4
23	Moments of structure functions for $N_f=2$ near the physical point.. , 2014, , .		1
24	Nucleon structure from stochastic estimators. , 2014, , .		1
25	Quantifying Discretization Errors for the Gluon and Ghost Propagators using Stochastic Perturbation Theory. , 2014, , .		0
26	Lattice evidence for the family of decoupling solutions of Landau gauge Yang-Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 396-403.	1.5	53
27	Nucleon mass and sigma term from lattice QCD with two light fermion flavors. Nuclear Physics B, 2013, 866, 1-25.	0.9	88
28	Landau gauge gluon and ghost propagators from lattice QCD with $N_f=2$ twisted mass fermions at finite temperature. Physical Review D, 2013, 87, .	1.6	25
29	Another look at the Landau-gauge gluon and ghost propagators at low momentum. , 2013, , .		0
30	lattice QCD at nearly physical quark masses. Physical Review D, 2012, 86, .	1.6	26
31	Landau gauge gluon and ghost propagators at finite temperature from quenched lattice QCD. Physical Review D, 2012, 85, .	1.6	57
32	Strange and light quark contributions to the nucleon mass from lattice QCD. Physical Review D, 2012, 85, .	1.6	58
33	A lattice study of the strangeness content of the nucleon. Progress in Particle and Nuclear Physics, 2012, 67, 467-472.	5.6	6
34	Determination of $\Lambda_{\overline{MS}}$ from the gluon and ghost propagators in Landau gauge. , 2012, , .		8
35	Fractional electric charge and quark confinement. , 2012, , .		0
36	Centre vortices and the quark propagator. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	The strong coupling limit of lattice Landau gauge. , 2012, , .		0
38	Lattice Landau Gauge via Stereographic Projection. , 2012, , .		1
39	logarithmic lattice gluon field definition. Physical Review D, 2011, 83, .		1
40	Role of center vortices in chiral symmetry breaking in SU(3) gauge theory. Physical Review D, 2011, 84, .	1.6	35
41	Exploring center symmetry with electrically charged quarks. , 2011, , .		0
42	Strong-coupling study of the Gribov ambiguity in lattice Landau gauge. European Physical Journal C, 2010, 68, 183-195.	1.4	36
43	Infrared exponents and the strong-coupling limit in lattice Landau gauge. European Physical Journal C, 2010, 68, 487-503.	1.4	32
44	Preconditioning maximal center gauge with stout link smearing in	1.6	14
45	String effects and the distribution of the glue in static mesons at finite temperature. Physical Review D, 2010, 82, .	1.6	16
46	Lattice Landau Gauge and Algebraic Geometry. , 2010, , .		2
47	QCD Lambda parameter from Landau-gauge gluon and ghost correlations. , 2010, , .		2
48	Coulomb-gauge ghost and gluon propagators in	1.6	33
49	Lattice gluodynamics computation of Landau-gauge Green's functions in the deep infrared. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 69-73.	1.5	376
50	The strong coupling and its running to four loops in a minimal MOM scheme. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 336-342.	1.5	102
51	The strong-coupling limit of minimal lattice Landau gauge. , 2009, , .		0
52	The determination of $\alpha_s(M_Z)$ from perturbative analyses of short-distance-sensitive lattice QCD observables revisited. , 2009, , .		0
53	Effective Coulomb potential in SU(3) lattice Yang-Mills theory. Physical Review D, 2008, 78, .	1.6	39
54	Realistic lattice determination of	1.6	31

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55	Center vortices and the quark propagator in SU(2) gauge theory. Physical Review D, 2008, 78, .	1.6	22
56	Running alpha(s) from Landau-gauge gluon and ghost correlations. , 2008, , .		8
57	Landau-gauge gluon and ghost propagators in 4D SU(3) gluodynamics on large lattice volumes. , 2008, , .		20
58	Comparing SU(2) to SU(3) gluodynamics on large lattices. , 2008, , .		7
59	Modified Lattice Landau Gauge. , 2008, , .		3
60	Twisted mass QCD at finite temperature. , 2008, , .		0
61	Scaling behavior and positivity violation of the gluon propagator in full QCD. Physical Review D, 2007, 76, .	1.6	127
62	Landau gauge gluon and ghost propagators from lattice QCD. Brazilian Journal of Physics, 2007, 37, .	0.7	77
63	Landau gauge ghost and gluon propagators and the Faddeev-Popov operator spectrum. Nuclear Physics, Section B, Proceedings Supplements, 2006, 153, 185-190.	0.5	17
64	Spectral properties of the Landau gauge Faddeev-Popov operator in lattice gluodynamics. Physical Review D, 2006, 73, .	1.6	36
65	Lattice study of the infrared behavior of QCD Green's functions in Landau gauge. , 2006, , .		4
66	The gluon and ghost propagator and the influence of Gribov copies. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 653-655.	0.5	14
67	The influence of Gribov copies on the gluon and ghost propagator. AIP Conference Proceedings, 2005, , .	0.3	8
68	Towards the infrared limit in SU(3) Landau gauge lattice gluodynamics. Physical Review D, 2005, 72, .	1.6	98
69	Studying the infrared region in Landau gauge QCD. , 2005, , .		1
70	Numerical reinvestigation of the Aoki phase with Nf=2 Wilson fermions at zero temperature. Physical Review D, 2004, 69, .	1.6	31
71	The Aoki phase for Nf = 2 Wilson fermions revisited. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 898-900.	0.5	13