

Thomas D Cohen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11994315/publications.pdf>

Version: 2024-02-01

118
papers

3,185
citations

147801

31
h-index

168389

53
g-index

118
all docs

118
docs citations

118
times ranked

1206
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum algorithms for transport coefficients in gauge theories. Physical Review D, 2021, 104, .	4.7	18
2	Yields of weakly bound light nuclei as a probe of the statistical hadronization model. Physical Review C, 2019, 100, .	2.9	16
3	Precision model-independent bounds from a global analysis of $B \rightarrow D^{*} \pi$ form factors. Physical Review D, 2019, 100, .	4.7	16
4	Model-independent bounds on $R(J/\psi)$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	32
5	Tests of the standard model in $B \rightarrow D^{*} \pi$, $B \rightarrow D^{*} \rho$, and $B \rightarrow D^{*} \omega$. Physical Review D, 2018, 98, .	4.7	10
6	On the nature of an emergent symmetry in QCD with low-lying Dirac modes removed. Physical Review D, 2016, 93, .	4.7	6
7	Nucleon-antinucleon annihilation at large N_c . Physical Review C, 2015, 92, .	2.9	1
8	Inelastic versus total nucleon-nucleon cross section at large N_c . Physical Review C, 2014, 89, .	2.9	1
9	Nucleon-nucleon scattering matrix and its N_c scaling. Physical Review C, 2013, 88, .	2.9	6
10	Total nucleon-nucleon cross sections in large N_c QCD. Physical Review C, 2012, 85, .	2.9	7
11	Model-independent form factor relations at large N_c . Physical Review C, 2012, 85, .	2.9	3
12	Total Nucleon-Nucleon Cross Section at Large N_c . Physical Review Letters, 2012, 108, 262301.	7.8	5
13	Conference Discussion of the Nuclear Force. Few-Body Systems, 2011, 50, 31-44.	1.5	8
14	The Hagedorn spectrum and large N_c QCD in $2+1$ and $3+1$ dimensions. Journal of High Energy Physics, 2011, 2011, 1.	4.7	9
15	Baryons and baryonic matter in the large N_c heavy quark limits. Physical Review C, 2011, 84, .	2.9	17
16	QCD and the Hagedorn spectrum. Journal of High Energy Physics, 2010, 2010, 1.	4.7	11
17	Large N_c QCD and the Hagedorn Spectrum. , 2010, , .		0
18	Fishing Antihypernuclei Out of a Quark-Gluon Soup. Science, 2010, 328, 55-56.	12.6	3

#	ARTICLE	IF	CITATIONS
19	CHIRAL SYMMETRY AND HOLOGRAPHIC MODELS OF THE BARYON: TESTING HOLOGRAPHIC MODELS OF THE BARYON WITH MODEL-INDEPENDENT RELATIONS. International Journal of Modern Physics A, 2010, 25, 464-469.	1.5	0
20	Chiral Symmetry and Holographic Models of the Baryon: Testing Holographic Models of the Baryon with Model-Independent Relations. , 2010, , .		0
21	Model Independent Tests of Skyrmions and Their Holographic Cousins. Physical Review Letters, 2009, 103, 022001.	7.8	24
22	Magnetization of the QCD vacuum at large fields. Physical Review C, 2009, 80, .	2.9	16
23	Challenges facing holographic models of QCD. Indian Journal of Physics, 2009, 83, 681-691.	1.8	2
24	Hadrons and Chiral Symmetry. Nuclear Physics, Section B, Proceedings Supplements, 2009, 195, 59-92.	0.4	6
25	Skyrmion semiclassical quantization in the presence of an isospin chemical potential. Physical Review D, 2008, 78, .	4.7	5
26	Chiral condensate in a constant electromagnetic field. Physical Review C, 2007, 76, .	2.9	103
27	Is There a "Most Perfect Fluid" Consistent with Quantum Field Theory?. Physical Review Letters, 2007, 99, 021602.	7.8	73
28	Heavy baryons in the Skyrme model: The role of highly anharmonic collective motion. Physical Review D, 2007, 75, .	4.7	6
29	Testing the QCD string at large N_c from the thermodynamics of the hadronic phase. AIP Conference Proceedings, 2007, , .	0.4	0
30	Meson coupling constants at high mass and large. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 224-229.	4.1	0
31	WHY MASSLESS PIONS DO NOT PRECLUDE EFFECTIVE CHIRAL RESTORATION IN THE HADRON SPECTRUM. , 2007, , .		0
32	Interplay of the chiral and large N_c limits in $\pi\pi$ scattering. Physical Review D, 2006, 74, .	4.7	13
33	Decoupling spurious baryon states in the $1/N_c$ expansion of QCD. Physical Review D, 2006, 74, .	4.7	8
34	QCD strings and the thermodynamics of the metastable phase of QCD at large N_c . arXiv:hep-th/0608001 arXiv:hep-th/0608001	4.1	10
35	Effective chiral restoration in the hadronic spectrum and QCD. Nuclear Physics A, 2006, 775, 89-101.	4.1	4
36	Effective chiral restoration in the hadronic spectrum and QCD. Nuclear Physics A, 2006, 775, 89-101.	1.5	12

#	ARTICLE	IF	CITATIONS
37	A SIMPLE TOY MODEL FOR EFFECTIVE RESTORATION OF CHIRAL SYMMETRY IN EXCITED HADRONS. Modern Physics Letters A, 2006, 21, 1939-1945.	1.2	17
38	Phase Separation and an Upper Bound for a Generalized Superfluid Gap for Cold Fermi Fluids in the Unitary Regime. Physical Review Letters, 2005, 95, 120403.	7.8	30
39	On the existence of heavy pentaquarks: The large N_c and heavy quark limits and beyond. Physical Review D, 2005, 72, .	4.7	26
40	Collective quantization of three-flavored Skyrmions reexamined. Physical Review D, 2005, 72, .	4.7	5
41	QCD FUNCTIONAL INTEGRALS FOR SYSTEMS WITH NONZERO CHEMICAL POTENTIAL. , 2005, , 101-120.		2
42	Large N_c QCD at nonzero chemical potential. Physical Review D, 2004, 70, .	4.7	12
43	\hat{I}_+ baryon in soliton models: Large N_c QCD and the validity of rigid-rotor quantization. Physical Review D, 2004, 70, .	4.7	24
44	Large- N_c Continuum Reduction and the Thermodynamics of QCD. Physical Review Letters, 2004, 93, 201601.	7.8	18
45	Chiral soliton models, large N_c consistency and the \hat{I}_+ exotic \hat{A} baryon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 581, 175-181.	4.1	62
46	An effective field theory for coupled-channel scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 588, 57-66.	4.1	32
47	LARGE N_c QCD AND MODELS OF EXOTIC BARYONS. , 2004, , .		0
48	Electromagnetic properties of the \hat{I}^+ in the large N_c and chiral limits. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 554, 28-32.	4.1	10
49	Nucleon-nucleon scattering under spin-isospin reversal in large- N_c QCD. Physical Review C, 2003, 68, .	2.9	5
50	Excited baryons in large N_c QCD reexamined: The resonance picture versus single-quark excitations. Physical Review D, 2003, 67, .	4.7	48
51	New Relations for Excited Baryons in Large- N_c QCD. Physical Review Letters, 2003, 91, 012001.	7.8	57
52	QCD Inequalities for the Nucleon Mass and the Free Energy of Baryonic Matter. Physical Review Letters, 2003, 91, 032002.	7.8	17
53	Compatibility of quark and resonant picture excited baryon multiplets in the $1/N_c$ expansion of QCD. Physical Review D, 2003, 68, .	4.7	31
54	Functional Integrals for QCD at Nonzero Chemical Potential and Zero Density. Physical Review Letters, 2003, 91, 222001.	7.8	153

#	ARTICLE	IF	CITATIONS
55	DO WE SEE CHIRAL SYMMETRY RESTORATION IN BARYON SPECTRUM?. , 2003, , .		0
56	Resolving the large- N_c nuclear potential puzzle. <i>Physical Review C</i> , 2002, 66, .	2.9	22
57	DOES ONE OBSERVE CHIRAL SYMMETRY RESTORATION IN BARYON SPECTRUM?. <i>International Journal of Modern Physics A</i> , 2002, 17, 1327-1353.	1.5	65
58	NUCLEON-NUCLEON INTERACTIONS AND LARGE N_c CONSISTENCY. , 2002, , .		0
59	Nucleon-nucleon scattering observables in large- N_c QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 540, 227-232.	4.1	19
60	Model-independent predictions for low energy isoscalar heavy baryon observables in the combined heavy quark and large N_c expansion. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 514, 346-354.	4.1	8
61	Phases of QCD with nonvanishing isospin density. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 516, 27-32.	4.1	18
62	Excited heavy baryons and their symmetries I: Formalism. <i>Nuclear Physics A</i> , 2001, 688, 842-870.	1.5	8
63	Excited heavy baryons and their symmetries II: Effective theory. <i>Nuclear Physics A</i> , 2001, 692, 521-545.	1.5	5
64	Excited heavy baryons and their symmetries III: Phenomenology. <i>Nuclear Physics A</i> , 2001, 696, 638-666.	1.5	20
65	Chiral multiplets versus parity doublets in highly excited baryons. <i>Physical Review D</i> , 2001, 65, .	4.7	66
66	Symmetries of Excited Heavy Baryons in the Heavy-Quark and Large- N_c Limit. <i>Physical Review Letters</i> , 2000, 84, 5474-5477.	7.8	10
67	Quantum coins, dice, and children: Probability and quantum statistics. <i>American Journal of Physics</i> , 2000, 68, 829-834.	0.7	3
68	Pion photoproduction in the $\rho(1232)$ region. <i>Physical Review C</i> , 1999, 60, .	2.9	2
69	Low energy theorems for nucleon-nucleon scattering. <i>Physical Review C</i> , 1999, 59, 13-20.	2.9	66
70	Testing low energy theorems in nucleon-nucleon scattering. <i>Physical Review C</i> , 1999, 59, 3047-3051.	2.9	39
71	Nonperturbative Regularization and Renormalization: Simple Examples from Nonrelativistic Quantum Mechanics. <i>Annals of Physics</i> , 1998, 263, 255-275.	2.8	102
72	Systematic power counting in cutoff effective field theories for nucleon-nucleon interactions and the equivalence with PDS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 440, 233-238.	4.1	24

#	ARTICLE	IF	CITATIONS
73	Chiral multiplets of hadron currents. <i>Physical Review D</i> , 1997, 55, 6870-6876.	4.7	42
74	Regularization, renormalization, and range: The nucleon-nucleon interaction from effective field theory. <i>Physical Review C</i> , 1997, 55, 67-72.	2.9	44
75	How short is too short? Constraining zero-range interactions in nucleon-nucleon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 390, 7-12.	4.1	112
76	Relations among correlation functions in the high temperature phase of QCD with broken SU(3). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 399, 263-266.	4.1	6
77	Symmetry and correlation functions in the high temperature phase of QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 388, 137-140.	4.1	29
78	Nucleon electric polarizability in soliton models and the role of the seagull terms. <i>Nuclear Physics A</i> , 1996, 596, 599-610.	1.5	6
79	Chiral and large-Nc limits of quantum chromodynamics and models of the baryon. <i>Reviews of Modern Physics</i> , 1996, 68, 599-608.	45.6	33
80	$pp \rightarrow pp \pi^0$ reaction near threshold: A chiral power counting approach. <i>Physical Review C</i> , 1996, 53, 2661-2673.	2.9	117
81	QCD inequalities, the high temperature phase of QCD, and U(1) Asymmetry. <i>Physical Review D</i> , 1996, 54, R1867-R1870.	4.7	71
82	Vanishing condensates and anomalously light Goldstone modes in medium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 342, 25-31.	4.1	7
83	Pseudo-Goldstone modes in isospin-asymmetric nuclear matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 348, 12-18.	4.1	5
84	Baryon isovector electric properties and the large Nc and chiral limits. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 359, 23-28.	4.1	24
85	QCD sum rules for nucleons in nuclear matter III. <i>Physical Review C</i> , 1994, 49, 464-477.	2.9	66
86	Strange vector form factors of the nucleon. <i>Physical Review C</i> , 1994, 50, 3108-3121.	2.9	38
87	QCD sum rules vs. chiral perturbation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 333, 27-32.	4.1	12
88	Just how strange? Loops, poles and the strangeness radius of the nucleon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 316, 1-6.	4.1	40
89	Response of nucleons to external probes in hedgehog models. II. General formalism. <i>Physical Review D</i> , 1993, 47, 313-324.	4.7	8
90	QCD sum rules for nucleons in nuclear matter II. <i>Physical Review C</i> , 1993, 47, 2882-2900.	2.9	84

#	ARTICLE	IF	CITATIONS
91	Chiral corrections to lattice calculations of charge radii. <i>Physical Review D</i> , 1993, 47, 2147-2150.	4.7	31
92	Response of nucleons to external probes in hedgehog models. I. Electromagnetic polarizabilities. <i>Physical Review D</i> , 1993, 47, 299-312.	4.7	25
93	Structure of the pion and effective electroweak currents in soliton models of the nucleon. <i>Physical Review D</i> , 1993, 48, 2299-2303.	4.7	0
94	QCD sum rules for nucleons in nuclear matter. <i>Physical Review C</i> , 1992, 46, 1507-1527.	2.9	87
95	Composite nucleons and the Dirac sea. <i>Physical Review C</i> , 1992, 45, 833-843.	2.9	16
96	The role of the $\hat{1}^{\pi}$ isobar in chiral perturbation theory and hedgehog soliton models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 292, 5-9.	4.1	53
97	Quark and gluon condensates in nuclear matter. <i>Physical Review C</i> , 1992, 45, 1881-1893.	2.9	283
98	Splitting of the neutron and proton electric polarizabilities in a hedgehog model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 283, 22-26.	4.1	25
99	From QCD sum rules to relativistic nuclear physics. <i>Physical Review Letters</i> , 1991, 67, 961-964.	7.8	138
100	Exotic high-isospin baryons in the Skyrme model: Experimental observable or large-N artifact?. <i>Physical Review D</i> , 1991, 43, 3089-3092.	4.7	3
101	Vacuum effects of non-nucleonic baryons in nuclear matter. <i>Nuclear Physics A</i> , 1990, 510, 671-688.	1.5	5
102	Exact effective potential for a scalar source coupled to the sine-Gordon model: Test of effective potentials for composite nucleons. <i>Physical Review C</i> , 1990, 42, 970-980.	2.9	1
103	Large-NcQCD, composite nucleons, and the Dirac sea. <i>Physical Review Letters</i> , 1989, 62, 3027-3030.	7.8	23
104	Finite-density effective sigma meson mass in chiral models. <i>Physical Review C</i> , 1989, 39, 1032-1038.	2.9	5
105	Color-dielectric models from a lattice point of view. <i>Physical Review D</i> , 1989, 40, 3060-3065.	4.7	6
106	The spin content of the proton. The large N and chiral limits revisited. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 230, 129-134.	4.1	33
107	Mean-field theory and solitonic matter. <i>Nuclear Physics A</i> , 1989, 495, 545-563.	1.5	11
108	Cutoff dependence of vacuum properties for nucleon-meson quantum field theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 211, 384-388.	4.1	6

#	ARTICLE	IF	CITATIONS
109	Nature of the equivalence between gamma instability and rigid triaxiality for finite boson number. Physical Review C, 1988, 38, 1038-1045.	2.9	3
110	Roper resonance in a color dielectric model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 187, 229-234.	4.1	23
111	RPA method for quark-meson solitons. Nuclear Physics A, 1986, 458, 652-668.	1.5	16
112	The nucleon-delta splitting in the chiral quark-meson model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 167, 21-25.	4.1	27
113	Cranking in hedgehog models with vector mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 177, 141-146.	4.1	17
114	Semiclassical projection of hedgehog models with quarks. Physical Review D, 1986, 34, 3472-3483.	4.7	84
115	Self-consistency and boson mappings for deformed systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 158, 1-6.	4.1	8
116	Study of a Bohr-Mottelson hamiltonian obtained from an IBM hamiltonian with the symmetry $O(6)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 125, 433-436.	4.1	1
117	Boson mappings for schematic nuclear models with the symmetry of $SO(5)$. Annals of Physics, 1982, 141, 382-410.	2.8	32
118	Derivation and test of accuracy of an IBM-like hamiltonian for a model with $SO(5) \tilde{A} - SO(5)$ symmetry. Nuclear Physics A, 1982, 390, 1-18.	1.5	3