

# Aleksey Cherman

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

624  
citations

623734

14  
h-index

580821

25  
g-index

30  
all docs

30  
docs citations

30  
times ranked

306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resurgence in Quantum Field Theory: Nonperturbative Effects in the Principal Chiral Model. Physical Review Letters, 2014, 112, 021601.	7.8	102
2	Decoding perturbation theory using resurgence: Stokes phenomena, new saddle points and Lefschetz thimbles. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
3	Chiral Lagrangian from Duality and Monopole Operators in Compactified QCD. Physical Review Letters, 2016, 117, 081601.	7.8	41
4	Orbifold Equivalence and the Sign Problem at Finite Baryon Density. Physical Review Letters, 2011, 106, 091603.	7.8	40
5	Volume Independence in the Large N Limit and an Emergent Fermionic Symmetry. Physical Review Letters, 2013, 111, 121601.	7.8	39
6	Order Parameters and Color-Flavor Center Symmetry in QCD. Physical Review Letters, 2017, 119, 222001.	7.8	37
7	Anomalies, a mod 2 index, and dynamics of 2d adjoint QCD. SciPost Physics, 2020, 8, .	4.9	31
8	Anyonic particle-vortex statistics and the nature of dense quark matter. Physical Review D, 2019, 100, .	4.7	27
9	Model Independent Tests of Skyrmions and Their Holographic Cousins. Physical Review Letters, 2009, 103, 022001.	7.8	24
10	The Skyrmion strikes back: baryons and a new large N limit. Journal of High Energy Physics, 2006, 2006, 035-035.	4.7	21
11	Vacuum structure of Yang-Mills theory as a function of $\hat{t}$ . Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
12	Bose-Fermi degeneracies in large N adjoint QCD. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
13	Resurgence and holomorphy: From weak to strong coupling. Journal of Mathematical Physics, 2015, 56, 053505.	1.1	17
14	Higgs-confinement phase transitions with fundamental representation matter. Physical Review D, 2020, 102, .	4.7	14
15	Lifetimes of near eternal false vacua. Physical Review D, 2021, 103, .	4.7	13
16	Can fermions save large N dimensional reduction?. Journal of High Energy Physics, 2009, 2009, 070-070.	4.7	12
17	Emergent dimensions and branes from large- N confinement. Physical Review D, 2016, 94, .	4.7	11
18	Exponential reduction of finite volume effects with twisted boundary conditions. Physical Review D, 2017, 95, .	4.7	11

#	ARTICLE	IF	CITATIONS
19	Casimir Energy of Confining Large $N$ Gauge Theories. Physical Review Letters, 2015, 114, 251604.	7.8	9
20	Bose-Fermi cancellations without supersymmetry. Physical Review D, 2019, 99, .	4.7	9
21	The phases of deuterium at extreme densities. Journal of High Energy Physics, 2011, 2011, 1.	4.7	7
22	Temperature-reflection symmetry. Physical Review D, 2015, 91, .	4.7	7
23	Modularity and 4D-2D spectral equivalences for large- $N$ gauge theories with adjoint matter. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
24	4D $\rightarrow$ 2D equivalence for large- $N$ Yang-Mills theory. Physical Review D, 2015, 92, .	4.7	4
25	Spectral sum rules for confining large- $N$ theories. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
26	Confinement and graded partition functions for $N=4$ SYM. Physical Review D, 2021, 103, .	4.7	4
27	Vortons in dense quark matter. Physical Review D, 2011, 84, .	4.7	3
28	NUCLEAR CONDENSATE AND HELIUM WHITE DWARFS. Astrophysical Journal, 2012, 749, 5.	4.5	3
29	Searching for Fermi surfaces in super-QED. Journal of High Energy Physics, 2014, 2014, 1.	4.7	2
30	Flow of Hagedorn singularities and phase transitions in large $N$ gauge theories. Physical Review D, 2020, 101, .	4.7	2