

Carlos Hoyos Badajoz

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

1,982
citations

236925

25
h-index

289244

40
g-index

97
all docs

97
docs citations

97
times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	Space-Dependent Symmetries and Fractons. <i>Frontiers in Physics</i> , 2022, 9, .	2.1	32
2	Holographic approach to transport in dense QCD matter. <i>Physical Review D</i> , 2022, 105, .	4.7	10
3	Gravitational Waves at Strong Coupling from an Effective Action. <i>Physical Review Letters</i> , 2022, 128, 131101.	7.8	14
4	Effective actions and bubble nucleation from holography. <i>Physical Review D</i> , 2022, 105, .	4.7	12
5	Holographic approach to compact stars and their binary mergers. <i>Progress in Particle and Nuclear Physics</i> , 2022, 126, 103972.	14.4	14
6	Gravitational waves from a holographic phase transition. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	16
7	Risking your NEC. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	8
8	Multiple mass hierarchies from complex fixed point collisions. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	4
9	Fractons in effective field theories for spontaneously broken translations. <i>Physical Review D</i> , 2021, 104, .	4.7	13
10	Hydrodynamics of ideal fracton fluids. <i>Physical Review Research</i> , 2021, 3, .	3.6	32
11	Scattering length from holographic duality. <i>Physical Review D</i> , 2020, 101, .	4.7	5
12	Quantum Hall effective action for the anisotropic Dirac semimetal. <i>Physical Review B</i> , 2020, 102, .	3.2	4
13	Transport in Strongly Coupled Quark Matter. <i>Physical Review Letters</i> , 2020, 125, 241601.	7.8	18
14	Gapped dilatons in scale invariant superfluids. <i>Physical Review D</i> , 2020, 102, .	4.7	2
15	Scattering length in holographic confining theories. <i>Physical Review D</i> , 2020, 102, .	4.7	7
16	Holographic Complex Conformal Field Theories. <i>Physical Review Letters</i> , 2020, 124, 161601.	7.8	17
17	Brane nucleation instabilities in non-AdS/non-CFT. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	9
18	Holographic spontaneous anisotropy. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	18

#	ARTICLE	IF	CITATIONS
19	Holographic Wilsonian renormalization of a heavy quark moving through a strongly coupled plasma. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
20	Hall viscosity in a strongly coupled magnetized plasma. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
21	Boundary central charge from bulk odd viscosity: Chiral superfluids. Physical Review B, 2019, 100, .	3.2	14
22	Novel color superconducting phases of $\mathcal{N} = 4$ super Yang-Mills at strong coupling. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
23	Effective long distance \overline{q} potential in holographic RG flows. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
24	Holographic compact stars meet gravitational wave constraints. Journal of High Energy Physics, 2018, 2018, 1.	4.7	43
25	A defect action for Wilson loops. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
26	Effective field theory of a vortex lattice in a bosonic superfluid. , 2018, 5, .		20
27	Knotted solutions for linear and nonlinear theories: Electromagnetism and fluid dynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 412-416.	4.1	14
28	Knotted solutions, from electromagnetism to fluid dynamics. International Journal of Modern Physics A, 2017, 32, 1750200.	1.5	61
29	Holographic Kondo and Fano resonances. Physical Review D, 2017, 96, .	4.7	6
30	Baryon superfluids in AdS/CFT with flavor. Journal of High Energy Physics, 2017, 2017, 1.	4.7	4
31	Two-point functions in a holographic Kondo model. Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
32	Stiff phases in strongly coupled gauge theories with holographic duals. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
33	Entanglement entropy in a holographic Kondo model. Fortschritte Der Physik, 2016, 64, 109-130.	4.4	36
34	Chiral $\hat{\mu}$ superfluid on a sphere. Physical Review B, 2016, 93, .	3.2	10
35	Holographic Quark Matter and Neutron Stars. Physical Review Letters, 2016, 117, 032501.	7.8	57
36	Breaking the sound barrier in holography. Physical Review D, 2016, 94, .	4.7	43

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37	Ward identities and relations between conductivities and viscosities in holography. Journal of High Energy Physics, 2016, 2016, 1.	4.7	1
38	Holographic impurities and Kondo effect. Fortschritte Der Physik, 2016, 64, 322-329.	4.4	24
39	Galilean invariance at quantum Hall edge. Physical Review B, 2015, 91, .	3.2	19
40	Parity breaking transport in Lifshitz hydrodynamics. Journal of High Energy Physics, 2015, 2015, 1.	4.7	5
41	New knotted solutions of Maxwell's equations. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 255204.	2.1	35
42	Ward identities for transport in 2+1 dimensions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
43	Effective theory of two-dimensional chiral superfluids: Gauge duality and Newton-Cartan formulation. Physical Review B, 2015, 91, .	3.2	25
44	Hall viscosity, topological states and effective theories. International Journal of Modern Physics B, 2014, 28, 1430007.	2.0	53
45	Ward identities for Hall transport. Journal of High Energy Physics, 2014, 2014, 1.	4.7	9
46	Odd parity transport in non-Abelian superfluids from symmetry locking. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
47	Effective theory of chiral two-dimensional superfluids. Physical Review B, 2014, 89, .	3.2	52
48	Lifshitz field theories at non-zero temperature, hydrodynamics and gravity. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
49	Bulk viscosity in holographic Lifshitz hydrodynamics. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
50	Superfluid Kubo formulas from partition function. Journal of High Energy Physics, 2014, 2014, 1.	4.7	6
51	Multiscale confining dynamics from holographic RG flows. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
52	Lifshitz superfluid hydrodynamics. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
53	The a-theorem and conformal symmetry breaking in holographic RG flows. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
54	Deformation constraints on solitons and D-branes. Journal of High Energy Physics, 2013, 2013, 1.	4.7	6

#	ARTICLE	IF	CITATIONS
73	Screening in strongly coupled $\mathcal{N} = 2^*$ supersymmetric Yang-Mills plasma. Journal of High Energy Physics, 2011, 2011, 1.	4.7	16
74	A chiral magnetic effect from AdS/CFT with flavor. Journal of High Energy Physics, 2011, 2011, 1.	4.7	61
75	Higher-dimensional conformal field theories in the Coulomb branch. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 145-150.	4.1	17
76	Holographic flavor transport in Schrödinger spacetime. Journal of High Energy Physics, 2010, 2010, 1.	4.7	14
77	Zero sound in strange metallic holography. Journal of High Energy Physics, 2010, 2010, 1.	4.7	33
78	Null energy condition and causality in Lifshitz holography. Physical Review D, 2010, 82, .	4.7	32
79	Holographic fractional topological insulators. Physical Review D, 2010, 82, .	4.7	18
80	Stability of linear dilaton black holes at the Hagedorn temperature. Journal of High Energy Physics, 2009, 2009, 078-078.	4.7	8
81	Drag and jet quenching of heavy quarks in a strongly coupled $\mathcal{N} = 2^*$ plasma. Journal of High Energy Physics, 2009, 2009, 068-068.	4.7	26
82	Alternative large N baryons and holography. Physical Review D, 2009, 79, .	4.7	7
83	Residues of correlators in the strongly coupled $\mathcal{N} = 4$ plasma. Physical Review D, 2008, 77, .	4.7	16
84	AdS black holes as reflecting cavities. Journal of High Energy Physics, 2008, 2008, 118-118.	4.7	22
85	Confinement, screening and the center of $S^3 \times S^1$. Journal of High Energy Physics, 2008, 2008, 075-075.	4.7	5
86	Hydrodynamics and beyond in the strongly coupled $\mathcal{N} = 4$ plasma. Journal of High Energy Physics, 2008, 2008, 133-133.	4.7	33
87	Remarks on the string dual to $\mathcal{N} = 1$ supersymmetric QCD. Physical Review D, 2008, 78, .	4.7	30
88	Absorption lengths in the holographic plasma. Journal of High Energy Physics, 2007, 2007, 057-057.	4.7	17
89	Holographic meson melting. Journal of High Energy Physics, 2007, 2007, 031-031.	4.7	106
90	Quasinormal modes and meson decay rates. Fortschritte Der Physik, 2007, 55, 760-764.	4.4	2

#	ARTICLE	IF	CITATIONS
91	Dynamical Higgs potentials with a landscape. Physical Review D, 2006, 73, .	4.7	7
92	Large N orbifold field theories on the twisted torus. Nuclear Physics B, 2006, 744, 96-120.	2.5	1
93	Small volume expansion of almost supersymmetric largeNtheories. Journal of High Energy Physics, 2006, 2006, 114-114.	4.7	13
94	The holographic life of the $\hat{\Lambda}^2$. Journal of High Energy Physics, 2004, 2004, 029-029.	4.7	57
95	AdS/CFT, Multitrace Deformations and New Instabilities of Nonlocal String Theories. Journal of High Energy Physics, 2004, 2004, 049-049.	4.7	7