

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	Hall Viscosity and Electromagnetic Response. Physical Review Letters, 2012, 108, 066805.	7.8	230
2	Holographic meson melting. Journal of High Energy Physics, 2007, 2007, 031-031.	4.7	106
3	A chiral magnetic effect from AdS/CFT with flavor. Journal of High Energy Physics, 2011, 2011, 1.	4.7	61
4	Knotted solutions, from electromagnetism to fluid dynamics. International Journal of Modern Physics A, 2017, 32, 1750200.	1.5	61
5	The holographic life of the $\hat{\Lambda}^2$. Journal of High Energy Physics, 2004, 2004, 029-029.	4.7	57
6	Holographic Quark Matter and Neutron Stars. Physical Review Letters, 2016, 117, 032501.	7.8	57
7	Hall viscosity, topological states and effective theories. International Journal of Modern Physics B, 2014, 28, 1430007.	2.0	53
8	Effective theory of chiral two-dimensional superfluids. Physical Review B, 2014, 89, .	3.2	52
9	Lifshitz hydrodynamics. Journal of High Energy Physics, 2013, 2013, 1.	4.7	46
10	Breaking the sound barrier in holography. Physical Review D, 2016, 94, .	4.7	43
11	Holographic compact stars meet gravitational wave constraints. Journal of High Energy Physics, 2018, 2018, 1.	4.7	43
12	A holographic model of the Kondo effect. Journal of High Energy Physics, 2013, 2013, 1.	4.7	40
13	Multiscale confining dynamics from holographic RG flows. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
14	Stiff phases in strongly coupled gauge theories with holographic duals. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
15	Entanglement entropy in a holographic Kondo model. Fortschritte Der Physik, 2016, 64, 109-130.	4.4	36
16	Lifshitz field theories at non-zero temperature, hydrodynamics and gravity. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
17	New knotted solutions of Maxwell's equations. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 255204.	2.1	35
18	Hydrodynamics and beyond in the strongly coupled $d = 4$ plasma. Journal of High Energy Physics, 2008, 2008, 133-133.	4.7	33

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19	Zero sound in strange metallic holography. Journal of High Energy Physics, 2010, 2010, 1.	4.7	33
20	Null energy condition and causality in Lifshitz holography. Physical Review D, 2010, 82, .	4.7	32
21	Space-Dependent Symmetries and Fractons. Frontiers in Physics, 2022, 9, .	2.1	32
22	Hydrodynamics of ideal fracton fluids. Physical Review Research, 2021, 3, .	3.6	32
23	Remarks on the string dual to $N=1$ supersymmetric QCD. Physical Review D, 2008, 78, .	4.7	30
24	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
25	Effective theory of two-dimensional chiral superfluids: Gauge duality and Newton-Cartan formulation. Physical Review B, 2015, 91, .	3.2	25
26	Holographic impurities and Kondo effect. Fortschritte Der Physik, 2016, 64, 322-329.	4.4	24
27	AdS black holes as reflecting cavities. Journal of High Energy Physics, 2008, 2008, 118-118.	4.7	22
28	Effective field theory of a vortex lattice in a bosonic superfluid. , 2018, 5, .		20
29	The holographic dilaton. Journal of High Energy Physics, 2013, 2013, 1.	4.7	19
30	Galilean invariance at quantum Hall edge. Physical Review B, 2015, 91, .	3.2	19
31	Two-point functions in a holographic Kondo model. Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
32	Holographic fractional topological insulators. Physical Review D, 2010, 82, .	4.7	18
33	Transport in Strongly Coupled Quark Matter. Physical Review Letters, 2020, 125, 241601.	7.8	18
34	Holographic spontaneous anisotropy. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
35	Absorption lengths in the holographic plasma. Journal of High Energy Physics, 2007, 2007, 057-057.	4.7	17
36	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

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37	Holographic Complex Conformal Field Theories. Physical Review Letters, 2020, 124, 161601.	7.8	17
38	Residues of correlators in the strongly coupled $N=4$ supersymmetric Yang-Mills plasma. Physical Review D, 2008, 77, .	4.7	16
39	Improved model of vector mesons in holographic QCD. Physical Review D, 2011, 84, .	4.7	16
40	Screening in strongly coupled $N=2$ supersymmetric Yang-Mills plasma. Journal of High Energy Physics, 2011, 2011, 1.	4.7	16
41	Supersymmetric sound in fluids. Journal of High Energy Physics, 2012, 2012, 1.	4.7	16
42	Gravitational waves from a holographic phase transition. Journal of High Energy Physics, 2021, 2021, 1.	4.7	16
43	Bulk viscosity in holographic Lifshitz hydrodynamics. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
44	Holographic flavor transport in Schrödinger spacetime. Journal of High Energy Physics, 2010, 2010, 1.	4.7	14
45	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
46	Boundary central charge from bulk odd viscosity: Chiral superfluids. Physical Review B, 2019, 100, .	3.2	14
47	Novel color superconducting phases of $N=4$ super Yang-Mills at strong coupling. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
48	Gravitational Waves at Strong Coupling from an Effective Action. Physical Review Letters, 2022, 128, 131101.	7.8	14
49	Holographic approach to compact stars and their binary mergers. Progress in Particle and Nuclear Physics, 2022, 126, 103972.	14.4	14
50	Small volume expansion of almost supersymmetric large N theories. Journal of High Energy Physics, 2006, 2006, 114-114.	4.7	13
51	The a-theorem and conformal symmetry breaking in holographic RG flows. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
52	Lifshitz superfluid hydrodynamics. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
53	Fractons in effective field theories for spontaneously broken translations. Physical Review D, 2021, 104, .	4.7	13
54	Odd parity transport in non-Abelian superfluids from symmetry locking. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12

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55	Effective actions and bubble nucleation from holography. <i>Physical Review D</i> , 2022, 105, .	4.7	12
56	Chern-Simons diffusion rate in a holographic Yang-Mills theory. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	10
57	Chiral $\hat{\mu}$ superfluid on a sphere. <i>Physical Review B</i> , 2016, 93, .	3.2	10
58	Holographic approach to transport in dense QCD matter. <i>Physical Review D</i> , 2022, 105, .	4.7	10
59	Ward identities for Hall transport. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	9
60	A defect action for Wilson loops. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	9
61	Brane nucleation instabilities in non-AdS/non-CFT. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	9
62	Stability of linear dilaton black holes at the Hagedorn temperature. <i>Journal of High Energy Physics</i> , 2009, 2009, 078-078.	4.7	8
63	Risking your NEC. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	8
64	AdS/CFT, Multitrace Deformations and New Instabilities of Nonlocal String Theories. <i>Journal of High Energy Physics</i> , 2004, 2004, 049-049.	4.7	7
65	Dynamical Higgs potentials with a landscape. <i>Physical Review D</i> , 2006, 73, .	4.7	7
66	Alternative large N baryons and holography. <i>Physical Review D</i> , 2009, 79, .	4.7	7
67	Time singularities of correlators from Dirichlet conditions in AdS/CFT. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	7
68	On a new type of orbifold equivalence and M-theoretic $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="ht.$ Physics Letters, Section	4.1	7
69	Scattering length in holographic confining theories. <i>Physical Review D</i> , 2020, 102, .	4.7	7
70	Generating new dualities through the orbifold equivalence: a demonstration in ABJM and four-dimensional quivers. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	6
71	Deformation constraints on solitons and D-branes. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	6
72	Superfluid Kubo formulas from partition function. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	6

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73	Ward identities for transport in 2+1 dimensions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
74	Holographic Kondo and Fano resonances. Physical Review D, 2017, 96, .	4.7	6
75	Hall viscosity in a strongly coupled magnetized plasma. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
76	Confinement, screening and the center on S^3 — S^1 . Journal of High Energy Physics, 2008, 2008, 075-075.	4.7	5
77	Holographic realization of large- N orbifold equivalence with non-zero chemical potential. Journal of High Energy Physics, 2012, 2012, 1.	4.7	5
78	Holographic Josephson junctions and Berry holonomy from D-branes. Journal of High Energy Physics, 2012, 2012, 1.	4.7	5
79	A Chiral Magnetic Effect from AdS/CFT with Flavor. Lecture Notes in Physics, 2013, , 341-376.	0.7	5
80	Parity breaking transport in Lifshitz hydrodynamics. Journal of High Energy Physics, 2015, 2015, 1.	4.7	5
81	Scattering length from holographic duality. Physical Review D, 2020, 101, .	4.7	5
82	Stability conditions for spatially modulated phases. Journal of High Energy Physics, 2013, 2013, 1.	4.7	4
83	Baryon superfluids in AdS/CFT with flavor. Journal of High Energy Physics, 2017, 2017, 1.	4.7	4
84	Effective long distance \overline{q} potential in holographic RG flows. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
85	Quantum Hall effective action for the anisotropic Dirac semimetal. Physical Review B, 2020, 102, .	3.2	4
86	Multiple mass hierarchies from complex fixed point collisions. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
87	Holographic Wilsonian renormalization of a heavy quark moving through a strongly coupled plasma. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
88	Quasinormal modes and meson decay rates. Fortschritte Der Physik, 2007, 55, 760-764.	4.4	2
89	Transport and zero sound in holographic strange metals. Journal of Physics: Conference Series, 2011, 287, 012029.	0.4	2
90	New large- N limit and the planar equivalence outside the planar limit. Physical Review D, 2012, 86, .	4.7	2

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91	Gapped dilatons in scale invariant superfluids. Physical Review D, 2020, 102, .	4.7	2
92	Large N orbifold field theories on the twisted torus. Nuclear Physics B, 2006, 744, 96-120.	2.5	1
93	Ward identities and relations between conductivities and viscosities in holography. Journal of High Energy Physics, 2016, 2016, 1.	4.7	1
94	Flavour Transport in Schrödinger Holography. Journal of Physics: Conference Series, 2012, 343, 012131.	0.4	0
95	Quantum Hall Effect: What can be Learned from Curved Space. , 2013, , .		0