

# Juan F Pedraza

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,433  
citations

279798

23  
h-index

345221

36  
g-index

57  
all docs

57  
docs citations

57  
times ranked

646  
citing authors

#	ARTICLE	IF	CITATIONS
1	Holographic entanglement entropy and the extended phase structure of STU black holes. Journal of High Energy Physics, 2015, 2015, 1.	4.7	131
2	Strongly Coupled Anisotropic Gauge Theories and Holography. Physical Review Letters, 2018, 121, 121601.	7.8	72
3	Entanglement wedge reconstruction and entanglement of purification. European Physical Journal C, 2018, 78, 1.	3.9	65
4	Geometric aspects of holographic bit threads. Journal of High Energy Physics, 2019, 2019, 1.	4.7	59
5	Chaotic Strings in $\text{AdS}_2/\text{CFT}_1$ . Physical Review Letters, 2018, 120, 201604.	4.8	58
6	Holographic Schwinger effect in de Sitter space. Physical Review D, 2015, 91, .	4.7	53
7	Quantum Fluctuations and the Unruh effect in strongly-coupled conformal field theories. Journal of High Energy Physics, 2010, 2010, 1.	4.7	48
8	Entanglement and out-of-equilibrium dynamics in holographic models of de Sitter QFTs. Journal of High Energy Physics, 2014, 2014, 1.	4.7	44
9	Aspects of holographic entanglement at finite temperature and chemical potential. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
10	Hyperscaling violating black holes with spherical and hyperbolic horizons. Classical and Quantum Gravity, 2019, 36, 054002.	4.0	41
11	Anisotropic models for globular clusters, Galactic bulges, and dark halos. Physical Review D, 2013, 88, .	4.7	40
12	Holographic lessons for quark dynamics. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 054002.	3.6	36
13	Semi-classical thermodynamics of quantum extremal surfaces in Jackiw-Teitelboim gravity. Journal of High Energy Physics, 2021, 2021, 1.	4.7	36
14	Holographic EPR pairs, wormholes and radiation. Journal of High Energy Physics, 2013, 2013, 1.	4.7	35
15	Inverse anisotropic catalysis in holographic QCD. Journal of High Energy Physics, 2019, 2019, 1.	4.7	33
16	Quantum fluctuations in holographic theories with hyperscaling violation. Physical Review D, 2013, 87, .	4.7	29
17	Strong subadditivity, null energy condition and charged black holes. Journal of High Energy Physics, 2014, 2014, 1.	4.7	28
18	Kinetic theory of collisionless self-gravitating gases. II. Relativistic corrections in galactic dynamics. Physical Review D, 2012, 86, .	4.7	27

#	ARTICLE	IF	CITATIONS
19	Spread of entanglement for small subsystems in holographic CFTs. <i>Physical Review D</i> , 2017, 95, .	4.7	26
20	Holographic entanglement chemistry. <i>Physical Review D</i> , 2017, 95, .	4.7	26
21	Kinetic theory of collisionless self-gravitating gases: Post-Newtonian polytropes. <i>Physical Review D</i> , 2011, 83, .	4.7	25
22	Fluctuation and dissipation in de Sitter space. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	24
23	Weak field collapse in AdS: introducing a charge density. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	24
24	Linear response of entanglement entropy from holography. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	24
25	Lessons on eternal traversable wormholes in AdS. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	23
26	Lorentzian Threads as Gatelines and Holographic Complexity. <i>Physical Review Letters</i> , 2021, 127, 271602.	7.8	21
27	Holographic brownian motion in magnetic environments. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	20
28	Fast scramblers and non-commutative gauge theories. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	20
29	Evolution of nonlocal observables in an expanding boost-invariant plasma. <i>Physical Review D</i> , 2014, 90, .	4.7	20
30	On the interplay between magnetic field and anisotropy in holographic QCD. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	20
31	Local quenches, bulk entanglement entropy and a unitary Page curve. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	20
32	Sewing spacetime with Lorentzian threads: complexity and the emergence of time in quantum gravity. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	20
33	Bit threads, Einstein's equations and bulk locality. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	19
34	Early-time energy loss in a strongly-coupled SYM plasma. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	18
35	Aspects of current correlators in holographic theories with hyperscaling violation. <i>Physical Review D</i> , 2013, 88, .	4.7	17
36	Radiation and a dynamical UV/IR connection in AdS/CFT. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	17

#	ARTICLE	IF	CITATIONS
37	Quantum bit threads and holographic entanglement. Journal of High Energy Physics, 2022, 2022, 1.	4.7	17
38	The gluonic field of a heavy quark in conformal field theories at strong coupling. Journal of High Energy Physics, 2011, 2011, 1.	4.7	16
39	Motion around a monopole + ring system - I. Stability of equatorial circular orbits versus regularity of three-dimensional motion. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3105-3116.	4.4	15
40	Holographic constraints on Bjorken hydrodynamics at finite coupling. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
41	Chaos and entanglement spreading in a non-commutative gauge theory. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
42	Holographic zero sound at finite temperature in the Sakai-Sugimoto model. Journal of High Energy Physics, 2014, 2014, 1.	4.7	13
43	Charged annular disks and Reissner-Nordström type black holes from extremal dust. Physical Review D, 2010, 82, .	4.7	12
44	Microcanonical action and the entropy of Hawking radiation. Physical Review D, 2022, 105, .	4.7	12
45	Branes from light: embeddings and energetics for symmetric k-quarks in $N = 4$ SYM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
46	What's the point? Holography in Poincaré AdS. European Physical Journal C, 2018, 78, 1.	3.9	10
47	Gauge dependence of the AdS instability problem. Physical Review D, 2016, 94, .	4.7	9
48	Quantum information probes of charge fractionalization in large-N gauge theories. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
49	An infinite family of self-consistent models for axisymmetric flat galaxies. Monthly Notices of the Royal Astronomical Society, 2008, , .	4.4	5
50	Constraining higher order gravities with subregion duality. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
51	Fast and slow coherent cascades in anti-de Sitter spacetime. Classical and Quantum Gravity, 2018, 35, 125008.	4.0	4
52	Speeding up the spread of quantum information in chaotic systems. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
53	Fractional derivative approach to the self-gravitation equation. Monthly Notices of the Royal Astronomical Society: Letters, 2008, , .	3.3	3
54	Quantum Information and Holography. Advances in High Energy Physics, 2019, 2019, 1-2.	1.1	0

#	ARTICLE	IF	CITATIONS
55	Distribution functions for a family of axially symmetric galaxy models.. Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2016, 40, 209.	0.2	0