

Jelle Hartong

List of Publications by Year in descending order

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53
papers

2,218
citations

186254

28
h-index

214788

47
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all docs

54
docs citations

54
times ranked

489
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonrelativistic Expansion of Closed Bosonic Strings. <i>Physical Review Letters</i> , 2022, 128, 021602.	7.8	22
2	Torsional string Newton-Cartan geometry for non-relativistic strings. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	26
3	Carroll Symmetry, Dark Energy and Inflation. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	51
4	Non-relativistic expansion of the Einstein-Hilbert Lagrangian. , 2022, , .		1
5	Fractons, dipole symmetries and curved spacetime. <i>SciPost Physics</i> , 2022, 12, .	4.9	49
6	Limits of JT gravity. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	37
7	Spin Matrix theory string backgrounds and Penrose limits of AdS/CFT. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	18
8	Galilean first-order formulation for the nonrelativistic expansion of general relativity. <i>Physical Review D</i> , 2021, 104, .	4.7	8
9	Non-relativistic gravity and its coupling to matter. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	60
10	Newton-Cartan submanifolds and fluid membranes. <i>Physical Review E</i> , 2020, 101, 062803.	2.1	13
11	Non-boost invariant fluid dynamics. <i>SciPost Physics</i> , 2020, 9, .	4.9	28
12	Action Principle for Newtonian Gravity. <i>Physical Review Letters</i> , 2019, 122, 061106.	7.8	92
13	Gravity between Newton and Einstein. <i>International Journal of Modern Physics D</i> , 2019, 28, 1944010.	2.1	35
14	Relating non-relativistic string theories. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	69
15	Symmetry breaking in holographic theories with Lifshitz scaling. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	3
16	Zooming in on AdS3/CFT2 near a BPS bound. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	18
17	Strings with non-relativistic conformal symmetry and limits of the AdS/CFT correspondence. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	87
18	Homogeneous nonrelativistic geometries as coset spaces. <i>Classical and Quantum Gravity</i> , 2018, 35, 175007.	4.0	23

#	ARTICLE	IF	CITATIONS
19	Perfect fluids. SciPost Physics, 2018, 5, .	4.9	49
20	Hydrodynamic modes of homogeneous and isotropic fluids. SciPost Physics, 2018, 5, .	4.9	24
21	Gauge coupling field, currents, anomalies and $N=1$ super-Yang-Mills effective actions. Nuclear Physics B, 2017, 915, 285-334.	2.5	2
22	Nonrelativistic strings and limits of the AdS/CFT correspondence. Physical Review D, 2017, 96, .	4.7	94
23	Symmetries and couplings of non-relativistic electrodynamics. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
24	Nonrelativistic Chern-Simons theories and three-dimensional Hořava-Lifshitz gravity. Physical Review D, 2016, 94, .	4.7	56
25	Torsional Newton-Cartan geometry from the Noether procedure. Physical Review D, 2016, 94, .	4.7	20
26	Holographic reconstruction of 3D flat space-time. Journal of High Energy Physics, 2016, 2016, 1.	4.7	50
27	Lifshitz hydrodynamics from Lifshitz black branes with linear momentum. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
28	Field theory on Newton-Cartan backgrounds and symmetries of the Lifshitz vacuum. Journal of High Energy Physics, 2015, 2015, 1.	4.7	62
29	Schrödinger invariance from Lifshitz isometries in holography and field theory. Physical Review D, 2015, 92, .	4.7	67
30	Hořava-Lifshitz gravity from dynamical Newton-Cartan geometry. Journal of High Energy Physics, 2015, 2015, 1.	4.7	90
31	Gauging the Carroll algebra and ultra-relativistic gravity. Journal of High Energy Physics, 2015, 2015, 1.	4.7	116
32	Torsional Newton-Cartan geometry and the Schrödinger algebra. Classical and Quantum Gravity, 2015, 32, 135017.	4.0	71
33	Lifshitz space-times for Schrödinger holography. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 318-324.	4.1	93
34	Torsional Newton-Cartan geometry and Lifshitz holography. Physical Review D, 2014, 89, .	4.7	132
35	Particle number and 3D Schrödinger holography. Journal of High Energy Physics, 2014, 2014, 1.	4.7	6
36	Boundary stress-energy tensor and Newton-Cartan geometry in Lifshitz holography. Journal of High Energy Physics, 2014, 2014, 1.	4.7	135

#	ARTICLE	IF	CITATIONS
37	Holographic models for theories with hyperscaling violation. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	66
38	On supercurrent superfields and Fayet–Iliopoulos terms in gauge theories. <i>Nuclear Physics B</i> , 2013, 867, 370-393.	2.5	10
39	Lifshitz holographic renormalization from anti-de Sitter. <i>Canadian Journal of Physics</i> , 2013, 91, 457-459.	1.1	0
40	Holographic renormalization for $z = 2$ Lifshitz spacetimes from AdS. <i>Classical and Quantum Gravity</i> , 2012, 29, 235017.	4.0	31
41	Asymptotically Schrödinger space-times: TsT transformations and thermodynamics. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	16
42	From D3-branes to Lifshitz spacetimes. <i>Classical and Quantum Gravity</i> , 2011, 28, 195011.	4.0	49
43	BPS open strings and A-D-E-singularities in F-theory on K3. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	2
44	Geometry of Schrödinger space-times II: particle and field probes of the causal structure. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	16
45	Gauge theories, duality relations and the tensor hierarchy. <i>Journal of High Energy Physics</i> , 2009, 2009, 123-123.	4.7	46
46	The supersymmetric tensor hierarchy of $N = 1, d = 4$ supergravity. <i>Journal of High Energy Physics</i> , 2009, 2009, 090-090.	4.7	17
47	Geometry of Schrödinger space-times, global coordinates, and harmonic trapping. <i>Journal of High Energy Physics</i> , 2009, 2009, 027-027.	4.7	44
48	Tensor hierarchies of 5- and 6-dimensional field theories. <i>Journal of High Energy Physics</i> , 2009, 2009, 039-039.	4.7	18
49	Stringy cosmic strings in matter coupled $N = 2, d = 4$ supergravity. <i>Journal of High Energy Physics</i> , 2008, 2008, 033-033.	4.7	8
50	Seven-branes and supersymmetry. <i>Journal of High Energy Physics</i> , 2007, 2007, 003-003.	4.7	49
51	Pseudo-supersymmetry and a tale of alternate realities. <i>Journal of High Energy Physics</i> , 2007, 2007, 067-067.	4.7	34
52	Q7-branes and their coupling to IIB supergravity. <i>Journal of High Energy Physics</i> , 2007, 2007, 079-079.	4.7	19
53	Dynamics of generalized assisted inflation. <i>Classical and Quantum Gravity</i> , 2006, 23, 4593-4614.	4.0	28