

# Niels A Obers

## List of Publications by Year in descending order

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86  
papers

3,919  
citations

101496

36  
h-index

123376

61  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Torsional string Newton-Cartan geometry for non-relativistic strings. Journal of High Energy Physics, 2022, 2022, 1.	1.6	26
2	Carroll Symmetry, Dark Energy and Inflation. Frontiers in Physics, 2022, 10, .	1.0	51
3	Spin Matrix theory string backgrounds and Penrose limits of AdS/CFT. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
4	Galilean first-order formulation for the nonrelativistic expansion of general relativity. Physical Review D, 2021, 104, .	1.6	8
5	Non-relativistic gravity and its coupling to matter. Journal of High Energy Physics, 2020, 2020, 1.	1.6	60
6	Newton-Cartan submanifolds and fluid membranes. Physical Review E, 2020, 101, 062803.	0.8	13
7	Thermal transitions of metastable M-branes. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
8	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	1.5	451
9	Action Principle for Newtonian Gravity. Physical Review Letters, 2019, 122, 061106.	2.9	92
10	Gravity between Newton and Einstein. International Journal of Modern Physics D, 2019, 28, 1944010.	0.9	35
11	Relating non-relativistic string theories. Journal of High Energy Physics, 2019, 2019, 1.	1.6	69
12	Extremal black hole horizons. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
13	Zooming in on AdS3/CFT2 near a BPS bound. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
14	Strings with non-relativistic conformal symmetry and limits of the AdS/CFT correspondence. Journal of High Energy Physics, 2018, 2018, 1.	1.6	87
15	Observational signatures of near-extremal Kerr-like black holes in a modified gravity theory at the Event Horizon Telescope. Physical Review D, 2018, 98, .	1.6	52
16	Homogeneous nonrelativistic geometries as coset spaces. Classical and Quantum Gravity, 2018, 35, 175007.	1.5	23
17	Perfect fluids. SciPost Physics, 2018, 5, .	1.5	49
18	Hydrodynamic modes of homogeneous and isotropic fluids. SciPost Physics, 2018, 5, .	1.5	24

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19	Nonrelativistic strings and limits of the AdS/CFT correspondence. <i>Physical Review D</i> , 2017, 96, .	1.6	94
20	Symmetries and couplings of non-relativistic electrodynamics. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	42
21	Forced fluid dynamics from blackfolds in general supergravity backgrounds. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	17
22	Nonrelativistic Chern-Simons theories and three-dimensional Hořava-Lifshitz gravity. <i>Physical Review D</i> , 2016, 94, .	1.6	56
23	Torsional Newton-Cartan geometry from the Noether procedure. <i>Physical Review D</i> , 2016, 94, .	1.6	20
24	Gravitational tension, spacetime pressure and black hole volume. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	12
25	Lifshitz hydrodynamics from Lifshitz black branes with linear momentum. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	16
26	Field theory on Newton-Cartan backgrounds and symmetries of the Lifshitz vacuum. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	62
27	Schrödinger invariance from Lifshitz isometries in holography and field theory. <i>Physical Review D</i> , 2015, 92, .	1.6	67
28	Hořava-Lifshitz gravity from dynamical Newton-Cartan geometry. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	90
29	Lifshitz space-time for Schrödinger holography. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 746, 318-324.	1.5	93
30	Torsional Newton-Cartan geometry and Lifshitz holography. <i>Physical Review D</i> , 2014, 89, .	1.6	132
31	Boundary stress-energy tensor and Newton-Cartan geometry in Lifshitz holography. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	135
32	Holographic models for theories with hyperscaling violation. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	66
33	Relativistic elasticity of stationary fluid branes. <i>Physical Review D</i> , 2013, 87, .	1.6	4
34	Null-wave giant gravitons from thermal spinning brane probes. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	10
35	Electroelasticity of charged black branes. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	15
36	Black Branes as Piezoelectrics. <i>Physical Review Letters</i> , 2012, 109, 241101.	2.9	22

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37	Thermal string probes in AdS and finite temperature Wilson loops. Journal of High Energy Physics, 2012, 2012, 1.	1.6	21
38	Thermal Giant Gravitons. Journal of High Energy Physics, 2012, 2012, 1.	1.6	21
39	The Young modulus of black strings and the fine structure of blackfolds. Journal of High Energy Physics, 2012, 2012, 1.	1.6	32
40	Blackfolds in (anti)-de Sitter backgrounds. Physical Review D, 2011, 83, .	1.6	15
41	Thermodynamics of the hot Blon. Nuclear Physics B, 2011, 851, 462-480.	0.9	40
42	Heating up the Blon. Journal of High Energy Physics, 2011, 2011, 1.	1.6	69
43	Blackfolds in supergravity and string theory. Journal of High Energy Physics, 2011, 2011, 1.	1.6	54
44	Nernst branes in gauged supergravity. Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
45	Essentials of blackfold dynamics. Journal of High Energy Physics, 2010, 2010, 1.	1.6	160
46	New horizons for black holes and branes. Journal of High Energy Physics, 2010, 2010, 1.	1.6	76
47	On-shell recursion in string theory. Journal of High Energy Physics, 2010, 2010, 1.	1.6	36
48	World-Volume Effective Theory for Higher-Dimensional Black Holes. Physical Review Letters, 2009, 102, 191301.	2.9	149
49	Black Holes in Higher-Dimensional Gravity. Lecture Notes in Physics, 2009, , 211-258.	0.3	35
50	Phases of thermal $\mathfrak{N} = 2$ quiver gauge theories. Journal of High Energy Physics, 2008, 2008, 057-057.	1.6	4
51	MHV, CSW and BCFW: field theory structures in string theory amplitudes. Journal of High Energy Physics, 2008, 2008, 015-015.	1.6	44
52	The phase structure of higher-dimensional black rings and black holes. Journal of High Energy Physics, 2007, 2007, 110-110.	1.6	134
53	Factorization of Seiberg-Witten curves with fundamental matter. Journal of High Energy Physics, 2007, 2007, 080-080.	1.6	1
54	Three-charge black holes on a circle. Journal of High Energy Physics, 2007, 2007, 023-023.	1.6	6

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55	Multi-black-hole configurations on the cylinder. Physical Review D, 2007, 76, .	1.6	16
56	Instabilities of black strings and branes. Classical and Quantum Gravity, 2007, 24, R1-R90.	1.5	151
57	Entropy of three-charge black holes on a circle. Fortschritte Der Physik, 2007, 55, 748-753.	1.5	2
58	Thermodynamics of the near-extremal NS5-brane. Nuclear Physics B, 2006, 742, 41-58.	0.9	9
59	Stable non-supersymmetric vacua in the moduli space of non-critical superstrings. Nuclear Physics B, 2006, 759, 20-49.	0.9	5
60	New phases of thermal SYM and LST from Kaluza-Klein black holes. Fortschritte Der Physik, 2005, 53, 900-905.	1.5	1
61	New phases of thermal SYM and LST from Kaluza-Klein black holes. Fortschritte Der Physik, 2005, 53, 536-541.	1.5	10
62	Instabilities of near-extremal smeared branes and the correlated stability conjecture. Journal of High Energy Physics, 2005, 2005, 045-045.	1.6	23
63	Sequences of Bubbles and Holes: New Phases of Kaluza-Klein Black Holes. Journal of High Energy Physics, 2005, 2005, 003-003.	1.6	46
64	Phases of Kaluza-Klein black holes. Classical and Quantum Gravity, 2004, 21, S1509-S1516.	1.5	6
65	New phase diagram for black holes and strings on cylinders. Classical and Quantum Gravity, 2004, 21, 1709-1724.	1.5	73
66	Phase structure of black holes and strings on cylinders. Nuclear Physics B, 2004, 684, 183-208.	0.9	59
67	Black holes and black strings on cylinders. Fortschritte Der Physik, 2003, 51, 793-798.	1.5	6
68	SO(N) superpotential, Seiberg-Witten curves and loop equations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 553, 309-316.	1.5	38
69	Gauge theory description of compactified pp-waves. Journal of High Energy Physics, 2003, 2003, 016-016.	1.6	35
70	TWO LARGE EXAMPLES IN ORBIFOLD THEORY: ABELIAN ORBIFOLDS AND THE CHARGE CONJUGATION ORBIFOLD ON $S^1/\mathbb{Z}_n$ . International Journal of Modern Physics A, 2002, 17, 3897-3961.	0.5	22
71	Black Holes on Cylinders. Journal of High Energy Physics, 2002, 2002, 032-032.	1.6	78
72	Non-extremal fractional branes. Nuclear Physics B, 2002, 632, 257-282.	0.9	6

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73	Exact Thresholds and Instanton Effects in String Theory. Fortschritte Der Physik, 2001, 49, 359-375.	1.5	2
74	Exact Thresholds and Instanton Effects in String Theory. Fortschritte Der Physik, 2001, 49, 359.	1.5	2
75	Hagedorn behaviour of little string theory from string corrections to NS5-branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 285-292.	1.5	34
76	Phase structure of non-commutative field theories and spinning brane bound states. Journal of High Energy Physics, 2000, 2000, 024-024.	1.6	37
77	Exact thresholds and instanton effects in D = 3 string theories. Journal of High Energy Physics, 2000, 2000, 003-003.	1.6	10
78	Thermodynamics of spinning branes and their dual field theories. Journal of High Energy Physics, 2000, 2000, 008-008.	1.6	60
79	Eisenstein series in string theory. Classical and Quantum Gravity, 2000, 17, 1215-1224.	1.5	28
80	Heterotic/type-I duality in D < 10 dimensions, threshold corrections and D-instantons. Journal of High Energy Physics, 1997, 1997, 004-004.	1.6	60
81	A new duality symmetry in string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 67-71.	1.5	24
82	Plane gravitational waves in string theory. Nuclear Physics B, 1994, 423, 639-660.	0.9	26
83	Exact C-function and C-theorem on affine-Virasoro space. Nuclear Physics B, 1991, 357, 655-690.	0.9	18
84	Magic bases, metric ansätze and generalized graph theories in the Virasoro master equation. Annals of Physics, 1991, 212, 28-52.	1.0	4
85	Graph theory, SO(n) current algebra and the Virasoro master equation. Communications in Mathematical Physics, 1991, 138, 63-105.	1.0	13
86	Unitary irrational central charge on compact g: High-level analysis and SU(3) BASIC#. Nuclear Physics B, 1990, 345, 607-644.	0.9	18