

Koenraad E Schalm

List of Publications by Year in descending order

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55
papers

2,389
citations

218677

26
h-index

233421

45
g-index

57
all docs

57
docs citations

57
times ranked

1213
citing authors

#	ARTICLE	IF	CITATIONS
1	String Theory, Quantum Phase Transitions, and the Emergent Fermi Liquid. <i>Science</i> , 2009, 325, 439-444.	12.6	372
2	Holographic duality and the resistivity of strange metals. <i>Physical Review B</i> , 2014, 89, .	3.2	168
3	Warped compactifications in M and F theory. <i>Nuclear Physics B</i> , 2000, 584, 480-508.	2.5	132
4	Black Hole Scrambling from Hydrodynamics. <i>Physical Review Letters</i> , 2018, 120, 231601.	7.8	108
5	Energy flow in quantum critical systems far from equilibrium. <i>Nature Physics</i> , 2015, 11, 509-514.	16.7	78
6	Absence of Disorder-Driven Metal-Insulator Transitions in Simple Holographic Models. <i>Physical Review Letters</i> , 2015, 115, 221601.	7.8	76
7	Decoupling in an expanding universe: boundary RG-flow affects initial conditions for inflation. <i>Journal of High Energy Physics</i> , 2004, 2004, 076-076.	4.7	73
8	Non-equilibrium steady states in the Klein-Gordon theory. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 095002.	2.1	68
9	Decoupling in an expanding universe: backreaction barely constrains short distance effects in the cosmic microwave background. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005, 2005, 001-001.	5.4	60
10	Consistency condition for inflation from (broken) conformal symmetry. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 005-005.	5.4	49
11	Doping the holographic Mott insulator. <i>Nature Physics</i> , 2018, 14, 1049-1055.	16.7	48
12	Scale-invariant hyperscaling-violating holographic theories and the resistivity of strange metals with random-field disorder. <i>Physical Review D</i> , 2014, 89, .	4.7	46
13	Lattice potentials and fermions in holographic non Fermi-liquids: hybridizing local quantum criticality. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	45
14	Anisotropic drag force from 4D Kerr-AdS black hole. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	40
15	The cosmological vacuum ambiguity, effective actions, and transplanckian effects in inflation. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	38
16	A Cardy formula for off-diagonal three-point coefficients; or, how the geometry behind the horizon gets disentangled. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	38
17	S-wave superconductivity in anisotropic holographic insulators. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	36
18	Model Independent Signatures of New Physics in the Inflationary Power Spectrum. <i>Physical Review Letters</i> , 2012, 108, 111301.	7.8	35

#	ARTICLE	IF	CITATIONS
19	On the Hagedorn behaviour of pp-wave strings and SYM theory at finite R-charge density. Nuclear Physics B, 2003, 652, 105-126.	2.5	30
20	Constructing the AdS dual of a Fermi liquid: AdS black holes with Dirac hair. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
21	Incoherent thermal transport from dirty black holes. Physical Review D, 2016, 93, .	4.7	29
22	The large N_c limit of four-point functions in $N = 4$ super-Yang-Mills theory from anti-de Sitter supergravity. Nuclear Physics B, 1999, 554, 215-236.	2.5	28
23	Order- $\hat{1}\pm$ corrections to the decay rate of orthopositronium in the Fried-Yennie gauge. Physical Review A, 1992, 45, 7774-7781.	2.5	27
24	Geometry of WZW orientifolds. Nuclear Physics B, 2002, 624, 219-252.	2.5	27
25	Correlating correlation functions of primordial perturbations. Physical Review D, 2014, 89, .	4.7	27
26	On holographic entanglement entropy of charged matter. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
27	Kinetic theory for classical and quantum many-body chaos. Physical Review E, 2019, 99, 012206.	2.1	26
28	General covariance of the non-abelian DBI-action. Journal of High Energy Physics, 2003, 2003, 041-041.	4.7	25
29	Holographic normal ordering and multiparticle states in the AdS-CFT correspondence. Physical Review D, 2000, 61, .	4.7	21
30	Dynamical topology change in M theory. Journal of Mathematical Physics, 2001, 42, 3171-3187.	1.1	21
31	Shock waves, rarefaction waves, and nonequilibrium steady states in quantum critical systems. Physical Review D, 2016, 94, .	4.7	21
32	Photon and dilepton production in soft wall AdS/QCD. Journal of High Energy Physics, 2010, 2010, 1.	4.7	20
33	Nonextremal black holes are BPS. Physical Review D, 2007, 76, .	4.7	19
34	The everpresent $\hat{1}$ -problem: knowledge of all hidden sectors required. Journal of High Energy Physics, 2011, 2011, 1.	4.7	17
35	Bose-Fermi competition in holographic metals. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
36	Isolated zeros destroy Fermi surface in holographic models with a lattice. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15

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37	General covariance of the non-abelian DBI-action: checks and balances. <i>Annals of Physics</i> , 2004, 313, 425-445.	2.8	14
38	Spectral probes of the holographic Fermi ground state: Dialing between the electron star and AdS Dirac hair. <i>Physical Review D</i> , 2011, 84, .	4.7	14
39	Hydrodynamic charge and heat transport on inhomogeneous curved spaces. <i>Physical Review B</i> , 2017, 96, .	3.2	11
40	Evidence for a gravitational Myers effect. <i>Annals of Physics</i> , 2004, 313, 402-424.	2.8	10
41	Holographic fermions in external magnetic fields. <i>Physical Review D</i> , 2011, 84, .	4.7	10
42	Holographic fermions at strong translational symmetry breaking: a Bianchi-VII case study. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	10
43	Analytic evaluation of the self-energy and outer-vertex corrections to the decay rate of orthopositronium in the Fried-Yennie gauge. <i>Physical Review A</i> , 1992, 45, 3333-3335.	2.5	9
44	Nonperturbative emergence of non-Fermi-liquid behavior in $d < 3$ critical metals. <i>Physical Review B</i> , 2016, 94, .	3.2	9
45	Quantum tunneling dynamics in a complex-valued Sachdev-Ye-Kitaev model quench-coupled to a cool bath. <i>Physical Review B</i> , 2021, 104, .	3.2	9
46	Holographic dual of a time machine. <i>Physical Review D</i> , 2016, 94, .	4.7	8
47	Quantum corrected phase diagram of holographic fermions. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	7
48	Tuning locked inflation: supergravity versus phenomenology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004, 2004, 006-006.	5.4	6
49	Two-point function of a $d=2$ quantum critical metal in the limit $k_F \rightarrow 0$ with $N_f k_F$ fixed. <i>Physical Review B</i> , 2017, 96, .	3.2	5
50	Decoupling limits in multi-sector supergravities. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 038-038.	5.4	4
51	Pairing induced superconductivity in holography. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	4
52	Holographic Description of Strongly Correlated Electrons in External Magnetic Fields. <i>Lecture Notes in Physics</i> , 2013, , 555-589.	0.7	3
53	Isolated zeros in the spectral function as signature of a quantum continuum. <i>Physical Review B</i> , 2019, 99, .	3.2	3
54	The exact spectrum of scalar field perturbations in a radiation deformed closed de Sitter universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 002-002.	5.4	2

#	ARTICLE	IF	CITATIONS
55	BCS instabilities of electron stars to holographic superconductors. Journal of High Energy Physics, 2014, 2014, 1.	4.7	0