Daniel F Litim

List of Publications by Year
in descending order

74 papers	5,137 citations	87888 38 h-index	85541 71 g-index
77 all docs	77 docs citations	77 times ranked	1078 citing authors

#	Article	IF	Citations
1	Optimized renormalization group flows. Physical Review D, 2001, 64, .	4.7	557
2	Optimisation of the exact renormalisation group. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 486, 92-99.	4.1	420
3	Fixed Points of Quantum Gravity. Physical Review Letters, 2004, 92, 201301.	7.8	415
4	Infrared Behavior and Fixed Points in Landau-Gauge QCD. Physical Review Letters, 2004, 93, 152002.	7.8	209
5	Asymptotic safety guaranteed. Journal of High Energy Physics, 2014, 2014, 1.	4.7	180
6	Critical exponents from optimised renormalisation group flows. Nuclear Physics B, 2002, 631, 128-158.	2.5	175
7	Renormalization group and the Planck scale. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 2759-2778.	3.4	160
8	Fixed points of quantum gravity in extra dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 497-502.	4.1	144
9	Semi-classical transport theory for non-Abelian plasmas. Physics Reports, 2002, 364, 451-539.	25.6	105
10	Asymptotic freedom of Yangâ€“Mills theory with gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 234-241.	4.1	103
11	Completeness and consistency of renormalization group flows. Physical Review D, 2002, 66, .	4.7	98
12	Derivative expansion and renormalisation group flows. Journal of High Energy Physics, 2001, 2001, 059-059.	4.7	94
13	Ising exponents from the functional renormalization group. Physical Review D, 2011, 83, .	4.7	90
14	Flow equations for Yang-Mills theories in general axial gauges. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 435, 181-188.	4.1	89
15	Gauge invariance and background field formalism in the exact renormalisation group. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 495, 256-262.	4.1	87
16	Wilsonian flows and background fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 546, 279-286.	4.1	86
17	BLACK HOLES AND ASYMPTOTICALLY SAFE GRAVITY. International Journal of Modern Physics A, 2012, 27, 1250019.	1.5	86
18	Asymptotic safety of gravity with matter. Physical Review D, 2018, 97, .	4.7	83

#	Article	IF	Citations
19	Asymptotic safety of quantum gravity beyond Ricci scalars. Physical Review D, 2018, 97, .	4.7	81
20	Vacuum stability of asymptotically safe gauge-Yukawa theories. Journal of High Energy Physics, 2016, 2016, 1.	4.7	76
21	Aspects of asymptotic safety for quantum gravity. Physical Review D, 2019, 99, .	4.7	76
22	Mean Field Dynamics in Non-Abelian Plasmas from Classical Transport Theory. Physical Review Letters, 1999, 82, 4981-4984.	7.8	73
23	Black hole thermodynamics under the microscope. Physical Review D, 2014, 89, .	4.7	63
24	Non-perturbative thermal flows and resummations. Journal of High Energy Physics, 2006, 2006, 026-026.	4.7	61
25	Directions for model building from asymptotic safety. Journal of High Energy Physics, 2017, 2017, 1.	4.7	61
26	Effective transport equations for non-Abelian plasmas. Nuclear Physics B, 1999, 562, 237-274.	2.5	59
27	Anomalous magnetic moments from asymptotic safety. Physical Review D, 2020, 102, .	4.7	59
28	Renormalisation group flows for gauge theories in axial gauges. Journal of High Energy Physics, 2002, 2002, 049-049.	4.7	57
29	On fixed points of quantum gravity. AIP Conference Proceedings, 2006, , .	0.4	57
30	Predictive power of renormalisation group flows: a comparison. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 516, 197-207.	4.1	54
31	Signatures of Gravitational Fixed Points at the Large Hadron Collider. Physical Review Letters, 2008, 100, 131301.	7.8	52
32	Asymptotically safe cosmology. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 019-019.	5.4	52
33	Perturbation theory and renormalization group equations. Physical Review D, 2002, 65, .	4.7	51
34	High-accuracy scaling exponents in the local potential approximation. Nuclear Physics B, 2007, 783, 213-226.	2.5	49
35	Theorems for asymptotic safety of gauge theories. European Physical Journal C, 2017, 77, 1.	3.9	46
36	Universality and the renormalisation group. Journal of High Energy Physics, 2005, 2005, 005-005.	4.7	45

#	Article	IF	Citations
37	PHASE TRANSITION OF N-COMPONENT SUPERCONDUCTORS. International Journal of Modern Physics A, 1996, 11, 4273-4306.	1.5	40
38	Subleading critical exponents from the renormalisation group. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 581, 263-269.	4.1	36
39	Photon self-energy in a color superconductor. Physical Review D, 2001, 64, .	4.7	35
40	Asymptotic Safety Guaranteed in Supersymmetry. Physical Review Letters, 2017, 119, 211601.	7.8	34
41	Scheme independence at first order phase transitions and the renormalisation group. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 393, 103-109.	4.1	33
42	More asymptotic safety guaranteed. Physical Review D, 2018, 97, .	4.7	30
43	Multi-lepton signatures of vector-like leptons with flavor. European Physical Journal C, 2021, 81, 1.	3.9	29
44	Model building from asymptotic safety with Higgs and flavor portals. Physical Review D, 2020, 102, .	4.7	28
45	B-anomalies from flavorful U(1)$$'$$ extensions, safely. European Physical Journal C, 2022, 82, 1.	3.9	27
46	Fixed points and the spontaneous breaking of scale invariance. Physical Review D, 2017, 95, .	4.7	26
47	Price of Asymptotic Safety. Physical Review Letters, 2019, 122, 211601.	7.8	26
48	On de Sitter solutions in asymptotically safe $oldsymbol {f(R)}$ theories. Classical and Quantum Gravity, 2018, 35, 135006.	4.0	24
49	Nonperturbative Analysis of the Colemanâ€“Weinberg Phase Transition. Modern Physics Letters A, 1997, 12, 2287-2308.	1.2	23
50	Charge crossover at theU(1)â^'Higgsphase transition. Physical Review D, 2001, 64, .	4.7	23
51	Global Wilsonâ€“Fisher fixed points. Nuclear Physics B, 2017, 921, 769-795.	2.5	21
52	Asymptotic safety with Majorana fermions and new large <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math> equivalences. Physical Review D, 2020, 101, .	4.7	21
53	Critical behavior of supersymmetricO(N)models in the large-Nlimit. Physical Review D, 2011, 84, .	4.7	20
54	Critical<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>O</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>N</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 Td (stretchy="false">)</mml:mo .	4.7	20

#	Article	IF	Citations
55	Asymptotic safety of scalar field theories. Physical Review D, 2018, 98, .	4.7	18
56	Fluctuations from dissipation in a hot non-Abelian plasma. Physical Review D, 2000, 61, .	4.7	17
57	GAUGE INVARIANCE, BACKGROUND FIELDS AND MODIFIED WARD IDENTITIES. International Journal of Modern Physics A, 2001, 16, 2035-2040.	1.5	17
58	Conformal gauge-Yukawa theories away from four dimensions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
59	Asymptotic safety and Kaluza-Klein gravitons at the LHC. Physical Review D, 2011, 83, .	4.7	16
60	Quantum gravity effects in Myers-Perry space-times. Journal of High Energy Physics, 2014, 2014, 1.	4.7	16
61	Fixed points of quantum gravity. , 2008, , .		16
62	On gauge invariance and ward identities for the Wilsonian renormalisation group. Nuclear Physics, Section B, Proceedings Supplements, 1999, 74, 325-328.	0.4	14
63	Towards functional flows for hierarchical models. Physical Review D, 2007, 76, .	4.7	13
64	ARGES â€“ Advanced Renormalisation Group Equation Simplifier. Computer Physics Communications, 2021, 265, 108021.	7.5	10
65	Towards an asymptotically safe completion of the Standard Model. , 2017, , .		10
66	Transport Theory for a Two-Flavor Color Superconductor. Physical Review Letters, 2001, 87, 052002.	7.8	8
67	Asymptotic safety of gauge theories beyond marginal interactions. , 2017, , .		7
68	Asymptotic safety guaranteed for strongly coupled gauge theories. Physical Review D, 2022, 105, .	4.7	7
69	Heat kernel coefficients on the sphere in any dimension. European Physical Journal C, 2020, 80, 1.	3.9	6
70	On General Axial Gauges for QCD. Nuclear Physics, Section B, Proceedings Supplements, 1999, 74, 329-332.	0.4	5
71	Interacting ultraviolet completions of four-dimensional gauge theories. , 2017, , .		5
72	Conformal windows beyond asymptotic freedom. Physical Review D, 2021, 104, .	4.7	5

#	Article	IF	Citations
73	Theorems for asymptotic safety of gauge theories. , 2017, 77, 1.		1
74	INFRARED QCD AND THE RENORMALISATION GROUP. , 2005, , .		0