

Daniel F Litim

List of Publications by Year in descending order

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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	B-anomalies from flavorful $U(1)$ extensions, safely. European Physical Journal C, 2022, 82, 1.	3.9	27
2	Asymptotic safety guaranteed for strongly coupled gauge theories. Physical Review D, 2022, 105, .	4.7	7
3	Multi-lepton signatures of vector-like leptons with flavor. European Physical Journal C, 2021, 81, 1.	3.9	29
4	ARGES – Advanced Renormalisation Group Equation Simplifier. Computer Physics Communications, 2021, 265, 108021.	7.5	10
5	Conformal windows beyond asymptotic freedom. Physical Review D, 2021, 104, .	4.7	5
6	Asymptotic safety with Majorana fermions and new large N equivalences. Physical Review D, 2020, 101, .	4.7	21
7	Model building from asymptotic safety with Higgs and flavor portals. Physical Review D, 2020, 102, .	4.7	28
8	Heat kernel coefficients on the sphere in any dimension. European Physical Journal C, 2020, 80, 1.	3.9	6
9	Anomalous magnetic moments from asymptotic safety. Physical Review D, 2020, 102, .	4.7	59
10	Aspects of asymptotic safety for quantum gravity. Physical Review D, 2019, 99, .	4.7	76
11	Price of Asymptotic Safety. Physical Review Letters, 2019, 122, 211601.	7.8	26
12	More asymptotic safety guaranteed. Physical Review D, 2018, 97, .	4.7	30
13	Asymptotic safety of quantum gravity beyond Ricci scalars. Physical Review D, 2018, 97, .	4.7	81
14	Asymptotic safety of scalar field theories. Physical Review D, 2018, 98, .	4.7	18
15	Asymptotic safety of gravity with matter. Physical Review D, 2018, 97, .	4.7	83
16	On de Sitter solutions in asymptotically safe $f(R)$ theories. Classical and Quantum Gravity, 2018, 35, 135006.	4.0	24
17	Critical $O(N)$ fixed points. Physical Review D, 2017, 95, 125011.	4.0	24
18	Global Wilson–Fisher fixed points. Nuclear Physics B, 2017, 921, 769-795.	2.5	21

#	ARTICLE	IF	CITATIONS
19	Fixed points and the spontaneous breaking of scale invariance. <i>Physical Review D</i> , 2017, 95, .	4.7	26
20	Asymptotic Safety Guaranteed in Supersymmetry. <i>Physical Review Letters</i> , 2017, 119, 211601.	7.8	34
21	Theorems for asymptotic safety of gauge theories. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	46
22	Directions for model building from asymptotic safety. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	61
23	Theorems for asymptotic safety of gauge theories. , 2017, 77, 1.		1
24	Interacting ultraviolet completions of four-dimensional gauge theories. , 2017, , .		5
25	Asymptotic safety of gauge theories beyond marginal interactions. , 2017, , .		7
26	Towards an asymptotically safe completion of the Standard Model. , 2017, , .		10
27	Conformal gauge-Yukawa theories away from four dimensions. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	17
28	Vacuum stability of asymptotically safe gauge-Yukawa theories. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	76
29	Black hole thermodynamics under the microscope. <i>Physical Review D</i> , 2014, 89, .	4.7	63
30	Asymptotic safety guaranteed. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	180
31	Quantum gravity effects in Myers-Perry space-times. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	16
32	BLACK HOLES AND ASYMPTOTICALLY SAFE GRAVITY. <i>International Journal of Modern Physics A</i> , 2012, 27, 1250019.	1.5	86
33	Asymptotic freedom of Yang-Mills theory with gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 709, 234-241.	4.1	103
34	Ising exponents from the functional renormalization group. <i>Physical Review D</i> , 2011, 83, .	4.7	90
35	Critical behavior of supersymmetric $O(N)$ models in the large- N limit. <i>Physical Review D</i> , 2011, 84, .	4.7	20
36	Asymptotically safe cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 019-019.	5.4	52

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37	Asymptotic safety and Kaluza-Klein gravitons at the LHC. <i>Physical Review D</i> , 2011, 83, .	4.7	16
38	Renormalization group and the Planck scale. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 2759-2778.	3.4	160
39	Signatures of Gravitational Fixed Points at the Large Hadron Collider. <i>Physical Review Letters</i> , 2008, 100, 131301.	7.8	52
40	Fixed points of quantum gravity. , 2008, , .		16
41	High-accuracy scaling exponents in the local potential approximation. <i>Nuclear Physics B</i> , 2007, 783, 213-226.	2.5	49
42	Towards functional flows for hierarchical models. <i>Physical Review D</i> , 2007, 76, .	4.7	13
43	Fixed points of quantum gravity in extra dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 638, 497-502.	4.1	144
44	Non-perturbative thermal flows and resummations. <i>Journal of High Energy Physics</i> , 2006, 2006, 026-026.	4.7	61
45	On fixed points of quantum gravity. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	57
46	Universality and the renormalisation group. <i>Journal of High Energy Physics</i> , 2005, 2005, 005-005.	4.7	45
47	INFRARED QCD AND THE RENORMALISATION GROUP. , 2005, , .		0
48	Fixed Points of Quantum Gravity. <i>Physical Review Letters</i> , 2004, 92, 201301.	7.8	415
49	Infrared Behavior and Fixed Points in Landau-Gauge QCD. <i>Physical Review Letters</i> , 2004, 93, 152002.	7.8	209
50	Subleading critical exponents from the renormalisation group. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 581, 263-269.	4.1	36
51	Completeness and consistency of renormalization group flows. <i>Physical Review D</i> , 2002, 66, .	4.7	98
52	Perturbation theory and renormalization group equations. <i>Physical Review D</i> , 2002, 65, .	4.7	51
53	Renormalisation group flows for gauge theories in axial gauges. <i>Journal of High Energy Physics</i> , 2002, 2002, 049-049.	4.7	57
54	Critical exponents from optimised renormalisation group flows. <i>Nuclear Physics B</i> , 2002, 631, 128-158.	2.5	175

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55	Semi-classical transport theory for non-Abelian plasmas. <i>Physics Reports</i> , 2002, 364, 451-539.	25.6	105
56	Wilsonian flows and background fields. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 546, 279-286.	4.1	86
57	Predictive power of renormalisation group flows: a comparison. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 516, 197-207.	4.1	54
58	GAUGE INVARIANCE, BACKGROUND FIELDS AND MODIFIED WARD IDENTITIES. <i>International Journal of Modern Physics A</i> , 2001, 16, 2035-2040.	1.5	17
59	Derivative expansion and renormalisation group flows. <i>Journal of High Energy Physics</i> , 2001, 2001, 059-059.	4.7	94
60	Charge crossover at the $U(1)$ Higgs phase transition. <i>Physical Review D</i> , 2001, 64, .	4.7	23
61	Transport Theory for a Two-Flavor Color Superconductor. <i>Physical Review Letters</i> , 2001, 87, 052002.	7.8	8
62	Photon self-energy in a color superconductor. <i>Physical Review D</i> , 2001, 64, .	4.7	35
63	Optimized renormalization group flows. <i>Physical Review D</i> , 2001, 64, .	4.7	557
64	Optimisation of the exact renormalisation group. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 486, 92-99.	4.1	420
65	Gauge invariance and background field formalism in the exact renormalisation group. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 495, 256-262.	4.1	87
66	Fluctuations from dissipation in a hot non-Abelian plasma. <i>Physical Review D</i> , 2000, 61, .	4.7	17
67	Mean Field Dynamics in Non-Abelian Plasmas from Classical Transport Theory. <i>Physical Review Letters</i> , 1999, 82, 4981-4984.	7.8	73
68	On gauge invariance and ward identities for the Wilsonian renormalisation group. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 74, 325-328.	0.4	14
69	On General Axial Gauges for QCD. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 74, 329-332.	0.4	5
70	Effective transport equations for non-Abelian plasmas. <i>Nuclear Physics B</i> , 1999, 562, 237-274.	2.5	59
71	Flow equations for Yang-Mills theories in general axial gauges. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 435, 181-188.	4.1	89
72	Nonperturbative Analysis of the Coleman-Weinberg Phase Transition. <i>Modern Physics Letters A</i> , 1997, 12, 2287-2308.	1.2	23

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73	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
74	PHASE TRANSITION OF N-COMPONENT SUPERCONDUCTORS. International Journal of Modern Physics A, 1996, 11, 4273-4306.	1.5	40