

Krzysztof A Meissner

List of Publications by Year in descending order

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53
papers

1,838
citations

430874

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254184

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53
all docs

53
docs citations

53
times ranked

915
citing authors

#	ARTICLE	IF	CITATIONS
1	Black-hole entropy in loop quantum gravity. <i>Classical and Quantum Gravity</i> , 2004, 21, 5245-5251.	4.0	522
2	Conformal symmetry and the Standard Model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 648, 312-317.	4.1	283
3	Symmetries of higher-order string gravity actions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 392, 298-304.	4.1	152
4	Effective action, conformal anomaly and the issue of quadratic divergences. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 660, 260-266.	4.1	105
5	Duality beyond the first loop. <i>Physical Review D</i> , 1997, 56, 7940-7953.	4.7	83
6	Results from the OSQAR photon-regeneration experiment: No light shining through a wall. <i>Physical Review D</i> , 2008, 78, .	4.7	81
7	Domain Walls without Cosmological Constant in Higher Order Gravity. <i>Physical Review Letters</i> , 2001, 86, 3708-3711.	7.8	52
8	Quantum inhomogeneities in string cosmology. <i>Journal of High Energy Physics</i> , 1998, 1998, 004-004.	4.7	45
9	The physics of infinity. <i>Nature Physics</i> , 2018, 14, 770-772.	16.7	42
10	The price of an exact, gauge-invariant RG-flow equation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 574, 319-324.	4.1	41
11	Brane localization of gravity in higher derivative theory. <i>Physical Review D</i> , 2002, 65, .	4.7	37
12	Neutrinos, axions and conformal symmetry. <i>European Physical Journal C</i> , 2008, 57, 493-498.	3.9	33
13	Softly broken conformal symmetry and the stability of the electroweak scale. <i>Modern Physics Letters A</i> , 2015, 30, 1550006.	1.2	28
14	Supersymmetry breakdown at distant branes: the super-Higgs mechanism. <i>Nuclear Physics B</i> , 1999, 561, 30-42.	2.5	21
15	New brane solutions in higher-order gravity. <i>Nuclear Physics B</i> , 2002, 645, 217-236.	2.5	20
16	Conformal invariance from nonconformal gravity. <i>Physical Review D</i> , 2009, 80, .	4.7	20
17	Conformal standard model with an extended scalar sector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	20
18	Asymptotic safety and conformal standard model. <i>Physical Review D</i> , 2019, 99, .	4.7	18

#	ARTICLE	IF	CITATIONS
19	A class of exact solutions of the Wheeler-De Witt equation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 376, 48-52.	4.1	14
20	Eigenvalues of the volume operator in loop quantum gravity. Classical and Quantum Gravity, 2006, 23, 617-625.	4.0	14
21	Standard model fermions and N supersymmetry. Physical Review D, 2015, 91, .	4.7	13
22	Planck mass charged gravitino dark matter. Physical Review D, 2019, 100, .	4.7	13
23	SOME PERTURBATIVE RESULTS FOR TWO-DIMENSIONAL GRAVITY. Modern Physics Letters A, 1990, 05, 763-770.	1.2	12
24	Structures in the microwave background radiation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130116.	2.1	11
25	Conformal anomalies and gravitational waves. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 169-173.	4.1	11
26	Conformal standard model, leptogenesis, and dark matter. Physical Review D, 2018, 97, .	4.7	11
27	Standard Model Fermions and Infinite-Dimensional R Symmetries. Physical Review Letters, 2018, 121, 091601.	7.8	11
28	Apparent evidence for Hawking points in the CMB Sky... Monthly Notices of the Royal Astronomical Society, 2020, 495, 3403-3408.	4.4	11
29	First quantized noncritical relativistic Polyakov string. Nuclear Physics B, 1994, 428, 331-373.	2.5	9
30	On the Energy-Momentum Spectrum of a Homogeneous Fermi Gas. Annales Henri Poincare, 2013, 14, 1-36.	1.7	8
31	Ring-type structures in the Planck map of the CMB. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3251-3255.	4.4	8
32	Quantum Massless Field in 1+1 Dimensions. , 2006, , 107-127.		7
33	Neutrino mixing and the axion-gluon vertex. Nuclear Physics B, 2013, 868, 596-626.	2.5	7
34	A narrow scalar resonance at 325 GeV ? Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 943-945.	4.1	7
35	Two-loop RGE of a general renormalizable Yang-Mills theory in a renormalization scheme with an explicit UV cutoff. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
36	Static quark potential from the Polyakov sum over surfaces. Nuclear Physics B, 1994, 418, 456-476.	2.5	6

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37	Conformal transformations and the beginning of the Universe. <i>Physical Review D</i> , 2017, 95, .	4.7	6
38	Hierarchy of Yukawa couplings from orbifold compactification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 217, 277-280.	4.1	5
39	(B $\hat{=}$ L) symmetry vs. neutrino seesaw. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	5
40	Conformal anomaly and off-shell extensions of gravity. <i>Physical Review D</i> , 2017, 96, .	4.7	5
41	Softly broken conformal symmetry with quantum gravitational corrections. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 791, 62-65.	4.1	5
42	Supermassive gravitinos and giant primordial black holes. <i>Physical Review D</i> , 2020, 102, .	4.7	5
43	Towards supersymmetric cosmology in M-theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 480, 312-318.	4.1	4
44	Conformal anomalies and the Einstein field equations. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	4
45	General warped solutions in 5D dilaton gravity. <i>Classical and Quantum Gravity</i> , 2003, 20, 5391-5397.	4.0	3
46	Superheavy gravitinos and ultra-high energy cosmic rays. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 041-041.	5.4	3
47	DeWitt equation in quantum field theory. <i>Physical Review D</i> , 2013, 87, .	4.7	2
48	Non-local Effects of Conformal Anomaly. <i>Foundations of Physics</i> , 2018, 48, 1150-1158.	1.3	2
49	Test-field limit of metric nonlinear gravity theories. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	2
50	Origin and growth of primordial black holes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 819, 136468.	4.1	2
51	Anomaly cancellation in M-theory on orbifolds. <i>Nuclear Physics B</i> , 2000, 590, 161-172.	2.5	1
52	Asymptotic safety and quantum gravity amplitudes. <i>Nuclear Physics B</i> , 2021, 965, 115341.	2.5	1
53	Nonsupersymmetric multibrane solutions. <i>Physical Review D</i> , 2003, 67, .	4.7	0