

# Krzysztof A Meissner

## List of Publications by Year in descending order

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53  
papers

1,838  
citations

430874

18  
h-index

254184

43  
g-index

53  
all docs

53  
docs citations

53  
times ranked

915  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymptotic safety and quantum gravity amplitudes. Nuclear Physics B, 2021, 965, 115341.	2.5	1
2	Origin and growth of primordial black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136468.	4.1	2
3	Supermassive gravitinos and giant primordial black holes. Physical Review D, 2020, 102, .	4.7	5
4	Apparent evidence for Hawking points in the CMB Sky~.... Monthly Notices of the Royal Astronomical Society, 2020, 495, 3403-3408.	4.4	11
5	Superheavy gravitinos and ultra-high energy cosmic rays. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 041-041.	5.4	3
6	Planck mass charged gravitino dark matter. Physical Review D, 2019, 100, .	4.7	13
7	Asymptotic safety and conformal standard model. Physical Review D, 2019, 99, .	4.7	18
8	Test-field limit of metric nonlinear gravity theories. European Physical Journal C, 2019, 79, 1.	3.9	2
9	Softly broken conformal symmetry with quantum gravitational corrections. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 62-65.	4.1	5
10	Conformal standard model, leptogenesis, and dark matter. Physical Review D, 2018, 97, .	4.7	11
11	Ring-type structures in the Planck map of the CMB. Monthly Notices of the Royal Astronomical Society, 2018, 473, 3251-3255.	4.4	8
12	Standard Model Fermions and Infinite-Dimensional $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \mathbb{R} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Symmetries. Physical Review Letters, 2018, 121, 091601.	7.8	11
13	The physics of infinity. Nature Physics, 2018, 14, 770-772.	16.7	42
14	Non-local Effects of Conformal Anomaly. Foundations of Physics, 2018, 48, 1150-1158.	1.3	2
15	Conformal transformations and the beginning of the Universe. Physical Review D, 2017, 95, .	4.7	6
16	Conformal anomalies and gravitational waves. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 169-173.	4.1	11
17	Conformal anomaly and off-shell extensions of gravity. Physical Review D, 2017, 96, .	4.7	5
18	Conformal anomalies and the Einstein field equations. Journal of High Energy Physics, 2017, 2017, 1.	4.7	4

#	ARTICLE	IF	CITATIONS
19	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
20	Conformal standard model with an extended scalar sector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
21	Softly broken conformal symmetry and the stability of the electroweak scale. Modern Physics Letters A, 2015, 30, 1550006.	1.2	28
22	Standard model fermions and $N=8$ supergravity. Physical Review D, 2015, 91, .	4.1	13
23	On the Energy-Momentum Spectrum of a Homogeneous Fermi Gas. Annales Henri Poincare, 2013, 14, 1-36.	1.7	8
24	Neutrino mixing and the axion-gluon vertex. Nuclear Physics B, 2013, 868, 596-626.	2.5	7
25	A narrow scalar resonance at $325 \text{ GeV}$ ? Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 943-945.	4.1	7
26	( $B-L$ ) symmetry vs. neutrino seesaw. European Physical Journal C, 2013, 73, 1.	3.9	5
27	Structures in the microwave background radiation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130116.	2.1	11
28	DeWitt equation in quantum field theory. Physical Review D, 2013, 87, .	4.7	2
29	Conformal invariance from nonconformal gravity. Physical Review D, 2009, 80, .	4.7	20
30	Effective action, conformal anomaly and the issue of quadratic divergences. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 260-266.	4.1	105
31	Neutrinos, axions and conformal symmetry. European Physical Journal C, 2008, 57, 493-498.	3.9	33
32	Results from the OSQAR photon-regeneration experiment: No light shining through a wall. Physical Review D, 2008, 78, .	4.7	81
33	Conformal symmetry and the Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 648, 312-317.	4.1	283
34	Quantum Massless Field in 1+1 Dimensions. , 2006, , 107-127.		7
35	Eigenvalues of the volume operator in loop quantum gravity. Classical and Quantum Gravity, 2006, 23, 617-625.	4.0	14
36	Black-hole entropy in loop quantum gravity. Classical and Quantum Gravity, 2004, 21, 5245-5251.	4.0	522

#	ARTICLE	IF	CITATIONS
37	The price of an exact, gauge-invariant RG-flow equation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 574, 319-324.	4.1	41
38	Nonsupersymmetric multibrane solutions. Physical Review D, 2003, 67, .	4.7	0
39	General warped solutions in 5D dilaton gravity. Classical and Quantum Gravity, 2003, 20, 5391-5397.	4.0	3
40	Brane localization of gravity in higher derivative theory. Physical Review D, 2002, 65, .	4.7	37
41	New brane solutions in higher-order gravity. Nuclear Physics B, 2002, 645, 217-236.	2.5	20
42	Domain Walls without Cosmological Constant in Higher Order Gravity. Physical Review Letters, 2001, 86, 3708-3711.	7.8	52
43	Towards supersymmetric cosmology in M-theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 480, 312-318.	4.1	4
44	Anomaly cancellation in M-theory on orbifolds. Nuclear Physics B, 2000, 590, 161-172.	2.5	1
45	Supersymmetry breakdown at distant branes: the super-Higgs mechanism. Nuclear Physics B, 1999, 561, 30-42.	2.5	21
46	Quantum inhomogeneities in string cosmology. Journal of High Energy Physics, 1998, 1998, 004-004.	4.7	45
47	Duality beyond the first loop. Physical Review D, 1997, 56, 7940-7953.	4.7	83
48	Symmetries of higher-order string gravity actions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 392, 298-304.	4.1	152
49	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
50	First quantized noncritical relativistic Polyakov string. Nuclear Physics B, 1994, 428, 331-373.	2.5	9
51	Static quark potential from the Polyakov sum over surfaces. Nuclear Physics B, 1994, 418, 456-476.	2.5	6
52	SOME PERTURBATIVE RESULTS FOR TWO-DIMENSIONAL GRAVITY. Modern Physics Letters A, 1990, 05, 763-770.	1.2	12
53	Hierarchy of Yukawa couplings from orbifold compactification. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 217, 277-280.	4.1	5