

Dmytro Sorokin

List of Publications by Year in descending order

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51
papers

2,671
citations

159358

30
h-index

182168

51
g-index

52
all docs

52
docs citations

52
times ranked

630
citing authors

#	ARTICLE	IF	CITATIONS
1	Covariant Action for the Super-Five-Brane of MTheory. <i>Physical Review Letters</i> , 1997, 78, 4332-4334.	2.9	301
2	Covariant action for a D = 11 five-brane with the chiral field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 398, 41-46.	1.5	263
3	Lorentz-invariant actions for chiral p-forms. <i>Physical Review D</i> , 1997, 55, 6292-6298.	1.6	202
4	Superbranes and superembeddings. <i>Physics Reports</i> , 2000, 329, 1-101.	10.3	156
5	Nonlinear duality-invariant conformal extension of Maxwell's equations. <i>Physical Review D</i> , 2020, 102, .	1.6	103
6	Superparticle models with tensorial central charges. <i>Physical Review D</i> , 2000, 61, .	1.6	99
7	The complete $AdS_4 \times CP^3$ superspace for the type IIA superstring and D-branes. <i>Journal of High Energy Physics</i> , 2009, 2009, 015-015.	1.6	99
8	On the equivalence of different formulations of the M theory five-brane. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 408, 135-141.	1.5	89
9	The superembedding origin of the Berkovits pure spinor covariant quantization of superstrings. <i>Nuclear Physics B</i> , 2002, 639, 182-202.	0.9	77
10	Covariant actions for the bosonic sector of IIB supergravity. <i>Classical and Quantum Gravity</i> , 1997, 14, L195-L198.	1.5	71
11	Duality-symmetric eleven-dimensional supergravity and its coupling to M-branes. <i>Nuclear Physics B</i> , 1998, 522, 214-233.	0.9	71
12	M-theory superalgebra from the M-5-brane. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 412, 265-273.	1.5	68
13	Simplifying superstring and D-brane actions in $AdS_4 \times CP^3$ superbackground. <i>Journal of High Energy Physics</i> , 2009, 2009, 060-060.	1.6	59
14	Brane induced supersymmetry breaking and de Sitter supergravity. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	55
15	Dynamics of higher spin fields and tensorial space. <i>Journal of High Energy Physics</i> , 2005, 2005, 031-031.	1.6	53
16	The goldstino brane, the constrained superfields and matter in $N = 1$ supergravity. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	47
17	On p-form gauge theories and their conformal limits. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	47
18	Three-forms in supergravity and flux compactifications. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	44

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19	Higher spins from tensorial charges and $OSp(N 2n)$ symmetry. <i>Journal of High Energy Physics</i> , 2003, 2003, 013-013.	1.6	43
20	Superstrings in $AdS_2 \times S^2 \times T^6$. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 275401.	0.7	39
21	On gauge-fixed superbrane actions in AdS superbackgrounds. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 447, 251-256.	1.5	38
22	Evidence for the classical integrability of the complete $AdS_4 \times CP^3$ superstring. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	38
23	OSp supergroup manifolds, superparticles, and supertwistors. <i>Physical Review D</i> , 2000, 61, .	1.6	37
24	On the Superconformal Flatness of AdS Superspaces. <i>Journal of High Energy Physics</i> , 2002, 2002, 040-040.	1.6	37
25	String instanton in $AdS_4 \times CP^3$. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	36
26	Dirac action on $M5$ and $M2$ branes with bulk fluxes. <i>Journal of High Energy Physics</i> , 2005, 2005, 005-005.	1.6	34
27	Duality of self-dual actions. <i>Nuclear Physics B</i> , 1999, 539, 438-452.	0.9	33
28	The type IIA $NS5$ -brane. <i>Nuclear Physics B</i> , 2000, 586, 315-330.	0.9	33
29	ModMax meets Susy. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	32
30	Superfield Theories in Tensorial Superspaces and the Dynamics of Higher Spin Fields. <i>Journal of High Energy Physics</i> , 2004, 2004, 023-023.	1.6	31
31	Three-forms, dualities and membranes in four-dimensional supergravity. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	31
32	How many fluxes fit in an EFT?. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	29
33	More on integrable structures of superstrings in $AdS_4 \times CP^3$ and $AdS_2 \times S^2 \times T^6$ superbackgrounds. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	28
34	Hamiltonian analysis of mimetic scalar gravity revisited. <i>Physical Review D</i> , 2019, 99, .	1.6	26
35	Three-dimensional (higher-spin) gravities with extended Schrödinger and I -conformal Galilean symmetries. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	21
36	Superembeddings, partial supersymmetry breaking and superbranes. <i>Nuclear Physics B</i> , 2000, 591, 109-138.	0.9	20

#	ARTICLE	IF	CITATIONS
37	The M5-brane action revisited. Journal of High Energy Physics, 2013, 2013, 1.	1.6	20
38	Higher spins in hyperspace. Journal of High Energy Physics, 2014, 2014, 1.	1.6	19
39	Can Chern-Simons or Rarita-Schwinger be a Volkov-Akulov Goldstone?. Journal of High Energy Physics, 2018, 2018, 1.	1.6	19
40	Bagger-Lambert-Gustavsson-motivated Lagrangian formulation for the chiral two-form gauge field in $D=6$ and M5-branes. Physical Review D, 2009, 80, .	1.6	18
41	Covariant actions for models with nonlinear twisted self-duality. Physical Review D, 2012, 86, .	1.6	17
42	Spontaneously broken 3d Hietarinta/Maxwell Chern-Simons theory and minimal massive gravity. European Physical Journal C, 2020, 80, 1.	1.4	17
43	Supersymmetric reducible higher-spin multiplets in various dimensions. Nuclear Physics B, 2018, 929, 216-242.	0.9	13
44	T-duality of Green-Schwarz superstrings on $AdS_{d-1} \times S^1 \times M^{10-2d}$. Journal of High Energy Physics, 2015, 2015, 1-52.	1.6	12
45	Higher spins in hyper-superspace. Nuclear Physics B, 2015, 890, 279-301.	0.9	12
46	Higher Spin Fields in Hyperspace. A Review. Universe, 2018, 4, 7.	0.9	11
47	Fermionic higher-spin triplets in AdS. Nuclear Physics B, 2016, 907, 633-645.	0.9	6
48	WORLDLINE SUPERFIELD ACTIONS FOR $N=2$ SUPERPARTICLES. International Journal of Modern Physics A, 1999, 14, 1975-1995.	0.5	5
49	Supermembranes and domain walls in $\mathcal{N} = 1, D = 4$ SYM. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
50	Correlation functions of $Sp(2n)$ invariant higher-spin systems. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4
51	Geometrical Aspects of Superbrane Dynamics. Fortschritte Der Physik, 2001, 49, 649-656.	1.5	3