Alexander D Popov

List of Publications by Year
in descending order

41 papers	516 citations	623734 14 h-index	677142 22 g-index
41 all docs	41 docs citations	41 times ranked	113 citing authors

#	Article	IF	Citations
1	Quiver gauge theory of non-Abelian vortices and noncommutative instantons in higher dimensions. Journal of Mathematical Physics, 2006, 47, 012306.	1.1	47
2	Yang-Mills Flows on Nearly Kähler Manifolds and G 2-Instantons. Communications in Mathematical Physics, 2010, 300, 185-204.	2.2	44
3	On supertwistors, the Penrose--Ward transform and $CN=4$ super-Yang--Mills theory. Advances in Theoretical and Mathematical Physics, 2005, 9, 931-998.	0.6	35
4	Quiver Gauge Theory and Noncommutative Vortices. Progress of Theoretical Physics Supplement, 2007, 171, 258-268.	0.1	31
5	Heterotic compactifications on nearly Kähler manifolds. Journal of High Energy Physics, 2010, 2010, 1.	4.7	27
6	Topological B-Model on Weighted Projective Spaces and Self-Dual Models in Four Dimensions. Journal of High Energy Physics, 2004, 2004, 007-007.	4.7	23
7	Instantons and Yang–Mills Flows on Coset Spaces. Letters in Mathematical Physics, 2009, 89, 231-247.	1.1	23
8	Nearly Kähler heterotic compactifications with fermion condensates. Journal of High Energy Physics, 2012, 2012, 1.	4.7	23
9	Hermitian Yang–Mills equations and pseudo-holomorphic bundles on nearly Kähler and nearly Calabi–Yau twistor 6-manifolds. Nuclear Physics B, 2010, 828, 594-624.	2.5	20
10	Yang-Mills instantons on cones and sine-cones over nearly Kähler manifolds. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
11	Supertwistors and cubic string field theory for open <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="... Physics Letters, .	4.1	18
12	Hidden Symmetries and Integrable Hierarchy of the $${\mathcal{N}}$$ = 4 Supersymmetric Yang-Mills Equations. Communications in Mathematical Physics, 2007, 275, 685-708.	2.2	17
13	Solutions to Yang-Mills Equations on Four-Dimensional de Sitter Space. Physical Review Letters, 2017, 119, 061601.	7.8	17
14	Instantons on special holonomy manifolds. Physical Review D, 2012, 85, .	4.7	16
15	Double quiver gauge theory and nearly Kähler flux compactifications. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
16	Heterotic string plus five-brane systems with asymptotic AdS_3. Advances in Theoretical and Mathematical Physics, 2013, 17, 771-827.	0.6	14
17	Finite-action solutions of Yang-Mills equations on de Sitter dS4 and anti-de Sitter AdS4 spaces. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
18	Non-Abelian Vortices, Super Yang–Mills Theory and Spin(7)-Instantons. Letters in Mathematical Physics, 2010, 92, 253-268.	1.1	12

#	Article	IF	Citations
19	Chern-Simons flows on Aloff-Wallach spaces and spin(7) instantons. Physical Review D, 2011, 83, .	4.7	11
20	Sigma-model limit of Yang–Mills instantons in higher dimensions. Nuclear Physics B, 2015, 894, 361-373.	2.5	11
21	CLOSED N=2 STRINGS: PICTURE-CHANGING, HIDDEN SYMMETRIES AND SDG HIERARCHY. International Journal of Modern Physics A, 2000, 15, 4191-4236.	1.5	7
22	Yang-Mills fields in flux compactifications on homogeneous manifolds with SU(4)-structure. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7
23	Instantons on sine-cones over Sasakian manifolds. Physical Review D, 2014, 90, .	4.7	7
24	Instantons on conical half-flat 6-manifolds. Journal of High Energy Physics, 2015, 2015, 1.	4.7	7
25	Yang–Mills moduli space in the adiabatic limit. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 425401.	2.1	6
26	Instantons on the six-sphere and twistors. Journal of Mathematical Physics, 2012, 53, 123506.	1.1	5
27	Sasakian quiver gauge theories and instantons on cones over lens 5-spaces. Nuclear Physics B, 2015, 899, 848-903.	2.5	5
28	Sasakian quiver gauge theories and instantons on the conifold. Nuclear Physics B, 2016, 907, 445-475.	2.5	5
29	Non-Abelian sigma models from Yang–Mills theory compactified on a circle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 322-326.	4.1	5
30	Orbifold instantons, moment maps, and Yang-Mills theory with sources. Physical Review D, 2013, 88, .	4.7	4
31	Instantons in six dimensions and twistors. Nuclear Physics B, 2014, 882, 205-218.	2.5	4
32	Skyrme model from 6d N=(2,0) theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 222-226.	4.1	4
33	Loop groups in Yang–Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 439-442.	4.1	3
34	Sasakian quiver gauge theories and instantons on Calabi–Yau cones. Advances in Theoretical and Mathematical Physics, 2016, 20, 821-882.	0.6	3
35	Skyrme–Faddeev model from 5d super-Yang–Mills. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 39-44.	4.1	2
36	Skyrme and Faddeev models in the low-energy limit of 4d Yang–Mills–Higgs theories. Nuclear Physics B, 2019, 945, 114675.	2.5	2

#	Article	IF	Citations
37	A low-energy limit of Yang-Mills theory on de Sitter space. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
38	Dual infrared limits of 6d N=(2,0) theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 297-302.	4.1	1
39	Sasakian quiver gauge theories and instantons on cones over round and squashed seven-spheres. Nuclear Physics B, 2019, 942, 103-148.	2.5	0
40	A twistor space action for Yang-Mills theory. Physical Review D, 2021, 104, .	4.7	0
41	On exact solvability of $\mathcal{N}=4$ super Yang-Mills. Nuclear Physics B, 2022, 978, 115742.	2.5	0