# Alexander D Popov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3081086/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 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 | On exact solvability of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mi mathvariant="script">N</mml:mi><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mn>4</mml:mn></mml:math> super Yang-Mills. Nuclear Physics B, 2022, 978, 115742. | 2.5 | 0 |
| 2 | A twistor space action for Yang-Mills theory. Physical Review D, 2021, 104, . | 4.7 | 0 |
| 3 | A low-energy limit of Yang-Mills theory on de Sitter space. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 2 |
| 4 | Skyrme and Faddeev models in the low-energy limit of 4d Yangâ€“Millsâ€“Higgs theories. Nuclear Physics B, 2019, 945, 114675. | 2.5 | 2 |
| 5 | 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 |
| 6 | Sasakian quiver gauge theories and instantons on cones over round and squashed seven-spheres. Nuclear Physics B, 2019, 942, 103-148. | 2.5 | 0 |
| 7 | Non-Abelian sigma models from Yangâ€“Mills theory compactified on a circle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 322-326. | 4.1 | 5 |
| 8 | Skyrmeâ€“Faddeev model from 5d super-Yangâ€“Mills. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 39-44. | 4.1 | 2 |
| 9 | 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 |
| 10 | Solutions to Yang-Mills Equations on Four-Dimensional de Sitter Space. Physical Review Letters, 2017, 119, 061601. | 7.8 | 17 |
| 11 | 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 |
| 12 | Sasakian quiver gauge theories and instantons on the conifold. Nuclear Physics B, 2016, 907, 445-475. | 2.5 | 5 |
| 13 | Sasakian quiver gauge theories and instantons on Calabiâ€“Yau cones. Advances in Theoretical and Mathematical Physics, 2016, 20, 821-882. | 0.6 | 3 |
| 14 | Sasakian quiver gauge theories and instantons on cones over lens 5-spaces. Nuclear Physics B, 2015, 899, 848-903. | 2.5 | 5 |
| 15 | Yangâ€“Mills moduli space in the adiabatic limit. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 425401. | 2.1 | 6 |
| 16 | Instantons on conical half-flat 6-manifolds. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 7 |
| 17 | Loop groups in Yangâ€“Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 439-442. | 4.1 | 3 |
| 18 | Sigma-model limit of Yangâ€“Mills instantons in higher dimensions. Nuclear Physics B, 2015, 894, 361-373. | 2.5 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Instantons on sine-cones over Sasakian manifolds. Physical Review D, 2014, 90, . | 4.7 | 7 |
| 20 | Instantons in six dimensions and twistors. Nuclear Physics B, 2014, 882, 205-218. | 2.5 | 4 |
| 21 | Orbifold instantons, moment maps, and Yang-Mills theory with sources. Physical Review D, 2013, 88, . | 4.7 | 4 |
| 22 | Heterotic string plus five-brane systems with asymptotic $mathrm{AdS}_3$. Advances in Theoretical and Mathematical Physics, 2013, 17, 771-827. | 0.6 | 14 |
| 23 | Instantons on the six-sphere and twistors. Journal of Mathematical Physics, 2012, 53, 123506. | 1.1 | 5 |
| 24 | Nearly KÃhler heterotic compactifications with fermion condensates. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 23 |
| 25 | Instantons on special holonomy manifolds. Physical Review D, 2012, 85, . | 4.7 | 16 |
| 26 | Double quiver gauge theory and nearly KÃhler flux compactifications. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 15 |
| 27 | Yang-Mills fields in flux compactifications on homogeneous manifolds with SU(4)-structure. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 7 |
| 28 | Chern-Simons flows on Aloff-Wallach spaces and spin(7) instantons. Physical Review D, 2011, 83, . | 4.7 | 11 |
| 29 | Yang-Mills instantons on cones and sine-cones over nearly KÃhler manifolds. Journal of High Energy Physics, 2011, 2011, 1. | 4.7 | 20 |
| 30 | Heterotic compactifications on nearly KÃhler manifolds. Journal of High Energy Physics, 2010, 2010, 1. | 4.7 | 27 |
| 31 | Yang-Mills Flows on Nearly KÃhler Manifolds and G 2-Instantons. Communications in Mathematical Physics, 2010, 300, 185-204. | 2.2 | 44 |
| 32 | Non-Abelian Vortices, Super Yangâ€“Mills Theory and Spin(7)-Instantons. Letters in Mathematical Physics, 2010, 92, 253-268. | 1.1 | 12 |
| 33 | Hermitian Yangâ€“Mills equations and pseudo-holomorphic bundles on nearly KÃhler and nearly Calabiâ€“Yau twistor 6-manifolds. Nuclear Physics B, 2010, 828, 594-624. | 2.5 | 20 |
| 34 | Instantons and Yangâ€“Mills Flows on Coset Spaces. Letters in Mathematical Physics, 2009, 89, 231-247. | 1.1 | 23 |
| 35 | Quiver Gauge Theory and Noncommutative Vortices. Progress of Theoretical Physics Supplement, 2007, 171, 258-268. | 0.1 | 31 |
| 36 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Quiver gauge theory of non-Abelian vortices and noncommutative instantons in higher dimensions. Journal of Mathematical Physics, 2006, 47, 012306. | 1.1 | 47 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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="htt. Physics Letters, Sectio | 4.1 | 18 |
| 41 | CLOSED N=2 STRINGS: PICTURE-CHANGING, HIDDEN SYMMETRIES AND SDG HIERARCHY. International Journal of Modern Physics A, 2000, 15, 4191-4236. | 1.5 | 7 |