

Anton V Galajinsky

List of Publications by Year in descending order

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papers

926
citations

430874

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docs citations

68
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Remarks on l-conformal extension of the Newton–Hooke algebra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 265-267.	4.1	53
2	Conformal mechanics in Newton–Hooke spacetime. Nuclear Physics B, 2010, 832, 586-604.	2.5	51
3	Dynamical realization of l-conformal Galilei algebra and oscillators. Nuclear Physics B, 2013, 866, 212-227.	2.5	47
4	$\mathfrak{N} = 4$ superconformal Calogero models. Journal of High Energy Physics, 2007, 2007, 008-008.	4.7	46
5	Dynamical realizations of l-conformal Newton–Hooke group. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 190-195.	4.1	41
6	Calogero models and nonlocal conformal transformations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 643, 221-227.	4.1	38
7	superparticle near horizon of extreme Kerr–Newman–AdS–dS black hole. Nuclear Physics B, 2011, 850, 339-348.	2.5	35
8	Superintegrable models related to near horizon extremal Myers-Perry black hole in arbitrary dimension. Journal of High Energy Physics, 2013, 2013, 1.	4.7	35
9	Particle dynamics near extreme Kerr throat and supersymmetry. Journal of High Energy Physics, 2010, 2010, 1.	4.7	34
10	N=4 mechanics, WDVV equations and roots. Journal of High Energy Physics, 2009, 2009, 113-113.	4.7	31
11	Remark on quantum mechanics with Schrödinger supersymmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 675, 116-122.	4.1	31
12	Particle collisions on near horizon extremal Kerr background. Physical Review D, 2013, 88, .	4.7	30
13	New many-body superconformal models as reductions of simple composite systems. Physical Review D, 2003, 68, .	4.7	25
14	Particle dynamics on AdS_2 with two-form flux. Physical Review D, 2008, 78, .	4.7	25
15	superconformal Newton–Hooke algebra and many-body mechanics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 680, 510-515.	4.1	24
16	On dynamical realizations of l-conformal Galilei and Newton–Hooke algebras. Nuclear Physics B, 2015, 896, 244-254.	2.5	20
17	Higher rank Killing tensors and Calogero model. Physical Review D, 2012, 85, .	4.7	19
18	Ricci-flat spacetimes with l-conformal Galilei symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 249-253.	4.1	19

#	ARTICLE	IF	CITATIONS
19	Conformal mechanics inspired by extremal black holes in $d = 4$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	18
20	Near horizon black holes in diverse dimensions and integrable models. Physical Review D, 2013, 87, .	4.7	18
21	Remarks on $N = 4$ Superconformal Extension of the Calogero Model. Modern Physics Letters A, 2003, 18, 1493-1498.	1.2	17
22	Harmonic N -mechanics. Physical Review D, 2009, 80, .	4.7	16
23	Schwarzian mechanics via nonlinear realizations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 277-280.	4.1	16
24	$N = 4$ superconformal mechanics from the $su(2)$ perspective. Journal of High Energy Physics, 2015, 2015, 1.	4.7	15
25	Ricci-flat spacetimes admitting higher rank Killing tensors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 320-324.	4.1	14
26	Remark on integrable deformations of the Euler top. Journal of Mathematical Analysis and Applications, 2014, 416, 995-997.	1.0	13
27	Action-angle variables for spherical mechanics related to near horizon extremal Myers-Perry black hole. Journal of Physics: Conference Series, 2013, 474, 012019.	0.4	11
28	Couplings in $D(2, 1; \hat{\pm})$ superconformal mechanics from the $SU(2)$ perspective. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
29	A Linear Realization for the New Space-Time Superalgebras in 10 and 11 Dimensions. Modern Physics Letters A, 1997, 12, 1517-1529.	1.2	9
30	Geometry of the isotropic oscillator driven by the conformal mode. European Physical Journal C, 2018, 78, 1.	3.9	9
31	A variant of Schwarzian mechanics. Nuclear Physics B, 2018, 936, 661-667.	2.5	9
32	Restoring Lorentz invariance in classical $N=2$ string. Nuclear Physics B, 2001, 606, 119-136.	2.5	8
33	Self-dual metrics with maximally superintegrable geodesic flows. Physical Review D, 2015, 91, .	4.7	8
34	On the near horizon rotating black hole geometries with NUT charges. European Physical Journal C, 2016, 76, 1.	3.9	8
35	Eisenhart lift for higher derivative systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 86-90.	4.1	8
36	Eisenhart lift of 2-dimensional mechanics. European Physical Journal C, 2019, 79, 1.	3.9	7

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37	Towards a stringy extension of self-dual super Yang-Mills. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 460, 288-294.	4.1	6
38	Superconformal $SU(1, 1 n)$ mechanics. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
39	$N=4$ super-Schwarzian derivative via nonlinear realizations. Physical Review D, 2020, 102, .	4.7	6
40	Super-Schwarzians via nonlinear realizations. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
41	A heterotic $N=2$ string with space-time supersymmetry. Nuclear Physics B, 2001, 609, 410-428.	2.5	5
42	Complete Lagrangian formulation for $N=4$ topological string. Physical Review D, 2002, 65, .	4.7	5
43	On two-dimensional integrable models with a cubic or quartic integral of motion. Journal of High Energy Physics, 2013, 2013, 1.	4.7	5
44	$N=4$ conformal Galilei superalgebra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 401-407.	4.1	5
45	Spinning extensions of $D(2, 1; \hat{\pm})$ superconformal mechanics. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
46	$N=3$ super-Schwarzian from $OSp(3 2)$ invariants. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135885.	4.1	5
47	Remarks on N -supersymmetric extension of the Euler top. Nuclear Physics B, 2022, 975, 115668.	2.5	5
48	Green-Schwarz superstring in extended configuration space and the infinitely reducible first class constraints problem. Physical Review D, 1996, 54, 5195-5202.	4.7	4
49	A Covariant Action for the 11-Dimensional Superstring. Modern Physics Letters A, 1997, 12, 2993-3002.	1.2	4
50	Can one restore Lorentz invariance in quantum $N=2$ string?. Nuclear Physics B, 2002, 630, 151-162.	2.5	4
51	$N=4$ conformal Galilei superalgebras inspired by $D(2, 1; \hat{\pm})$ supermultiplets. Journal of High Energy Physics, 2017, 2017, 1.	4.7	4
52	Ruijsenaars-Schneider three-body models with $N=2$ supersymmetry. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
53	Remarks on a $D(2,1;a)$ super-Schwarzian derivative. Physical Review D, 2021, 103, .	4.7	4
54	Geometry of an $N=4$ twisted string. Physical Review D, 2002, 65, .	4.7	3

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55	Eisenhart lift in pseudo-Euclidean space and higher rank killing tensors. Physics of Particles and Nuclei Letters, 2017, 14, 328-330.	0.4	3
56	Bianchi type-V spinning particle on S^2 . Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
57	Some metrics admitting nonpolynomial first integrals of the geodesic equation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136483.	4.1	3
58	Generalised point vortices on a plane. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137119.	4.1	3
59	Dynamical realizations of the Lifshitz group. Physical Review D, 2022, 105, .	4.7	3
60	Casimir operators of centrally extended l-conformal Galilei algebra. Nuclear Physics B, 2019, 943, 114618.	2.5	2
61	Consistent Batalin-Fradkin quantization of infinitely reducible first class constraints. Physical Review D, 2000, 62, .	4.7	1
62	Spherical mechanics for a particle near the horizon of extremal black hole. Physics of Particles and Nuclei Letters, 2014, 11, 890-893.	0.4	1
63	Dynamical realizations of non-relativistic conformal groups. Physics of Particles and Nuclei Letters, 2014, 11, 872-876.	0.4	1
64	$\mathcal{N} = 2$ supersymmetric extensions of relativistic Toda lattice. Journal of High Energy Physics, 2019, 2019, 1.	4.7	1
65	Generalized spinning particles on S^2 in accord with the Bianchi classification. European Physical Journal C, 2021, 81, 1.	3.9	1
66	Dynamical Realization of $D(2; 1; \hat{\pm})$ which Links $\hat{\pm}$ to Cosmological Constant. Physics of Particles and Nuclei, 2018, 49, 865-866.	0.7	0
67	Comment on "Generalized near horizon extreme binary black hole geometry" Physical Review D, 2019, 100, .	4.7	0
68	$\mathcal{N} = 1, 2, 3$ l-conformal Galilei superalgebras. Journal of High Energy Physics, 2021, 2021, 1.	4.7	0