

Nikolay Gromov

List of Publications by Year in descending order

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74
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4,541
citations

87888

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67
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74
all docs

74
docs citations

74
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrability and conformal bootstrap: One dimensional defect conformal field theory. Physical Review D, 2022, 105, .	4.7	28
2	Bootstrability in defect CFT: integrated correlators and sharper bounds. Journal of High Energy Physics, 2022, 2022, .	4.7	21
3	Determinant form of correlators in high rank integrable spin chains via separation of variables. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
4	Separation of variables in AdS/CFT: functional approach for the fishnet CFT. Journal of High Energy Physics, 2021, 2021, 1.	4.7	20
5	Open fishchain in $N = 4$ Supersymmetric Yang-Mills Theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
6	$\langle i \rangle = 4$ SYM Quantum Spectral Curve in BFKL Regime. , 2021, , 335-367.		2
7	Quantum Spectral Curve for AdS3/CFT2: a proposal. Journal of High Energy Physics, 2021, 2021, 1.	4.7	16
8	Dual separated variables and scalar products. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135494.	4.1	21
9	The holographic dual of strongly $\hat{\mathcal{I}}^3$ -deformed $\mathcal{N} = 4$ SYM theory: derivation, generalization, integrability and discrete reparametrization symmetry. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
10	Colour-twist operators. Part I. Spectrum and wave functions. Journal of High Energy Physics, 2020, 2020, 1.	4.7	16
11	Excited states of one-dimensional defect CFTs from the quantum spectral curve. Journal of High Energy Physics, 2020, 2020, 1.	4.7	26
12	Exact correlation functions in conformal fishnet theory. Journal of High Energy Physics, 2019, 2019, 1.	4.7	40
13	Derivation of the Holographic Dual of a Planar Conformal Field Theory in 4D. Physical Review Letters, 2019, 123, 081602.	7.8	30
14	Separation of variables and scalar products at any rank. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
15	Quantum fishchain in AdS5. Journal of High Energy Physics, 2019, 2019, 1.	4.7	23
16	Spectrum of $N=4$ supersymmetric Yang-Mills theory and the quantum spectral curve. , 2019, , 400-448.		0
17	Strongly $\hat{\mathcal{I}}^3$ -Deformed $\mathcal{N} = 4$ Supersymmetric Yang-Mills Theory as an Integrable Conformal Field Theory. Physical Review Letters, 2018, 120, 111601.	7.8	69
18	Quantum spectral curve and structure constants in $\mathcal{N}=4$ SYM: cusps in the ladder limit. Journal of High Energy Physics, 2018, 2018, 1.	4.7	49

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19	New compact construction of eigenstates for supersymmetric spin chains. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
20	BFKL spectrum of $\mathcal{N} = 4$: non-zero conformal spin. Journal of High Energy Physics, 2018, 2018, 1.	4.7	23
21	Integrability of conformal fishnet theory. Journal of High Energy Physics, 2018, 2018, 1.	4.7	71
22	New construction of eigenstates and separation of variables for SU(N) quantum spin chains. Journal of High Energy Physics, 2017, 2017, 1.	4.7	50
23	The full Quantum Spectral Curve for AdS4/CFT3. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
24	Quantum Spectral Curve and the Numerical Solution of the Spectral Problem in AdS5/CFT4. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
25	On the exact interpolating function in ABJ theory. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
26	Quark-anti-quark potential in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
27	Quantum Spectral Curve for a cusped Wilson line in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2016, 2016, 1-41.	4.7	28
28	Pomeron Eigenvalue at Three Loops in $\mathcal{N} = 4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2015, 115, 251601.	7.8	64
29	QCD pomeron from AdS/CFT Quantum Spectral Curve. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
30	Quantum spectral curve for arbitrary state/operator in AdS5/CFT4. Journal of High Energy Physics, 2015, 2015, 1.	4.7	117
31	Exact Slope and Interpolating Functions in $\mathcal{N} = 6$ Supersymmetric Chern-Simons Theory. Physical Review Letters, 2014, 113, 121601.	7.8	60
32	Quantum Spectral Curve of the $\mathcal{N} = 6$ Supersymmetric Chern-Simons Theory. Physical Review Letters, 2014, 113, 021601.	7.8	68
33	Quantum Spectral Curve for Planar $\mathcal{N} = 4$ Super-Yang-Mills Theory. Physical Review Letters, 2014, 112, 011602.	7.8	205
34	Tailoring three-point functions and integrability IV. \hat{r} -morphism. Journal of High Energy Physics, 2014, 2014, 1.	4.7	28
35	Quantum spectral curve at work: from small spin to strong coupling in $\mathcal{N} = 4$ SYM. Journal of High Energy Physics, 2014, 2014, 1.	4.7	42
36	On the derivation of the exact slope function. Journal of High Energy Physics, 2013, 2013, 1.	4.7	11

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37	Analytic solution of Bremsstrahlung TBA II: turning on the sphere angle. Journal of High Energy Physics, 2013, 2013, 1.	4.7	42
38	Quantum Integrability for Three-Point Functions of Maximally Supersymmetric Yang-Mills Theory. Physical Review Letters, 2013, 111, 211601.	7.8	25
39	Analytic solution of Bremsstrahlung TBA. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69
40	Deeper look into short strings. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
41	Solving the AdS/CFT Y-system. Journal of High Energy Physics, 2012, 2012, 1.	4.7	50
42	Tailoring three-point functions and integrability III. Classical tunneling. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
43	Review of AdS/CFT Integrability, Chapter III.7: Hirota Dynamics for Quantum Integrability. Letters in Mathematical Physics, 2012, 99, 321-347.	1.1	18
44	Review of AdS/CFT Integrability: An Overview. Letters in Mathematical Physics, 2012, 99, 3-32.	1.1	908
45	Y -system and \hat{R} -deformed $N=4$ super-Yang-Mills. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 015402.	2.1	18
46	Wronskian solution for AdS/CFT Y-system. Journal of High Energy Physics, 2011, 2011, 1.	4.7	42
47	Quantum folded string and integrability: from finite size effects to Konishi dimension. Journal of High Energy Physics, 2011, 2011, 1.	4.7	56
48	Tailoring three-point functions and integrability. Journal of High Energy Physics, 2011, 2011, 1.	4.7	117
49	Tailoring three-point functions and integrability II. Weak/strong coupling match. Journal of High Energy Physics, 2011, 2011, 1.	4.7	72
50	Y-system and quasi-classical strings. Journal of High Energy Physics, 2010, 2010, 1.	4.7	57
51	Y-system, TBA and Quasi-Classical Strings in AdS $4 - CP^3$. Journal of High Energy Physics, 2010, 2010, 1.	4.7	46
52	$PSU(2, 2 4)$ character of quasiclassical AdS/CFT. Journal of High Energy Physics, 2010, 2010, 1.	4.7	44
53	Exact Spectrum of Anomalous Dimensions of Planar $N=4$ Supersymmetric Yang-Mills Theory: TBA and excited states. Letters in Mathematical Physics, 2010, 91, 265-287.	1.1	213
54	Exact Spectrum of Planar $N=4$ Supersymmetric Yang-Mills Theory: Konishi Dimension at Any Coupling. Physical Review Letters, 2010, 104, 211601.	7.8	116

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55	Exact Spectrum of Anomalous Dimensions of Planar $\mathcal{N}=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2009, 103, 131601.	7.8	267
56	Integrability in AdS/CFT correspondence: quasi-classical analysis. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 254004.	2.1	15
57	The all loop \mathcal{AdS}_4/CFT_3 Bethe ansatz. Journal of High Energy Physics, 2009, 2009, 016-016.	4.7	182
58	Finite volume spectrum of 2D field theories from Hirota dynamics. Journal of High Energy Physics, 2009, 2009, 060-060.	4.7	54
59	The \mathcal{AdS}_4/CFT_3 algebraic curve. Journal of High Energy Physics, 2009, 2009, 040-040.	4.7	76
60	Comment on the scaling function in $\mathcal{AdS}_4/\tilde{\mathcal{A}}_{\hat{a},\hat{a},\hat{a}}^{\sup 3}$. Journal of High Energy Physics, 2009, 2009, 083-083.	4.7	44
61	The superstring quantum spectrum from the algebraic curve. Nuclear Physics B, 2008, 789, 175-208.	2.5	62
62	Constructing the AdS/CFT dressing factor. Nuclear Physics B, 2008, 790, 72-88.	2.5	45
63	Quantum stability for the Heisenberg ferromagnet. New Journal of Physics, 2008, 10, 103023.	2.9	23
64	Quantum wrapped giant magnon. Physical Review D, 2008, 78, .	4.7	39
65	Generalized scaling function at strong coupling. Journal of High Energy Physics, 2008, 2008, 085-085.	4.7	36
66	Efficient precision quantization in AdS/CFT. Journal of High Energy Physics, 2008, 2008, 013-013.	4.7	45
67	Complete 1-loop test of AdS/CFT. Journal of High Energy Physics, 2008, 2008, 046-046.	4.7	70
68	Strings as multi-particle states of quantum sigma-models. Nuclear Physics B, 2007, 764, 15-61.	2.5	35
69	Asymptotic Bethe ansatz from string sigma model on. Nuclear Physics B, 2007, 780, 143-160.	2.5	26
70	Double scaling and finite size corrections in spin chain. Nuclear Physics B, 2006, 736, 199-224.	2.5	30
71	Fermionic determinant for $SU(N)$ caloron with nontrivial holonomy. Physical Review D, 2006, 73, .	4.7	5
72	Fermionic determinant for dyons and instantons with nontrivial holonomy. Physical Review D, 2005, 71, .	4.7	3

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73	SU(N)caloron measure and its relation to instantons. Physical Review D, 2005, 72, .	4.7	23
74	Quantum weights of dyons and of instantons with nontrivial holonomy. Physical Review D, 2004, 70, .	4.7	98