

Ben Hoare

List of Publications by Year in descending order

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Version: 2024-02-01

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1,514
citations

257450
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40
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199
citing authors

#	ARTICLE	IF	CITATIONS
1	Scale invariance of the $\hat{\iota}$ -deformed AdS ₅ –S ₅ superstring, T-duality and modified type II equations. Nuclear Physics B, 2016, 903, 262-303.	2.5	147
2	On integrable deformations of superstring sigma models related to $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si1.gif" overflow="scroll" } \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{ mathvariant="italic" } \rangle \text{AdS} \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{ n} \rangle \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle \text{mml:mo} \text{ \(\bar{\wedge}\)} \rangle \langle / \text{mml:mrow} \rangle$ supercosets. Nuclear Physics B, 2015, 897, 448-478.	2.5	131
3	On deformations of AdS _n –S _n supercosets. Journal of High Energy Physics, 2014, 2014, 1.	4.7	99
4	On string theory on with mixed 3-form flux: Tree-level S-matrix. Nuclear Physics B, 2013, 873, 682-727.	2.5	91
5	Giant magnon solution and dispersion relation in string theory in $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si1.gif" overflow="scroll" } \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{ mathvariant="italic" } \rangle \text{AdS} \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \text{ 3} \rangle \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle \text{mml:mo} \text{ \(\bar{\wedge}\)} \rangle \langle / \text{mml:mrow} \rangle$ towards a two-parameter \hat{q} -deformation of $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si1.gif" overflow="scroll" } \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{ mathvariant="normal" } \rangle \text{AdS} \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \text{ 3} \rangle \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle \text{mml:mo} \text{ \(\bar{\wedge}\)} \rangle \langle / \text{mml:mrow} \rangle$. Nuclear Physics B, 2015, 891, 259-295.	2.5	73
6	Massive S-matrix of $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si1.gif" overflow="scroll" } \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{ mathvariant="italic" } \rangle \text{AdS} \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \text{ 3} \rangle \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle \text{mml:mo} \text{ \(\bar{\wedge}\)} \rangle \langle / \text{mml:mrow} \rangle$ superstring theory with mixed 3-. Nuclear Physics B, 2013, 873, 395-418.	2.5	72
7	Towards the quantum S-matrix of the Pohlmeyer reduced version of superstring theory. Nuclear Physics B, 2011, 851, 161-237.	2.5	58
8	\hat{q} -deformation of the AdS ₅ –S ₅ superstring S-matrix and its relativistic limit. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
9	AdS ₃ –S ₃ –M ₄ string S-matrices from unitarity cuts. Journal of High Energy Physics, 2014, 2014, 1.	4.7	53
10	Homogeneous Yang–Baxter deformations as non-abelian duals of the $\langle \text{i} \rangle \text{AdS} \langle / \text{i} \rangle \langle \text{sub} \rangle 5 \langle / \text{sub} \rangle \langle \text{i} \rangle \hat{\iota} f \langle / \text{i} \rangle$ -model. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 494001.	2.1	53
11	Type IIB supergravity solution for the T-dual of the $\hat{\iota}$ -deformed AdS ₅ –S ₅ superstring. Journal of High Energy Physics, 2015, 2015, 1.	4.7	44
12	Two-dimensional S-matrices from unitarity cuts. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
13	On jordanian deformations of AdS ₅ and supergravity. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 434006.	2.1	34
14	Supergravity backgrounds of the $\hat{\iota}$ -deformed AdS ₂ –S ₂ –T ₆ and AdS ₅ –S ₅ superstrings. Journal of High Energy Physics, 2019, 2019, 1.	4.7	31
15	Integrable S-matrices, massive and massless modes and the AdS ₂ –S ₂ superstring. Journal of High Energy Physics, 2014, 2014, 1.	4.7	30
16	Combining the bi-Yang-Baxter deformation, the Wess-Zumino term and TsT transformations in one integrable $\hat{\iota}f$ -model. Journal of High Energy Physics, 2017, 2017, 1.	4.7	30
17	A relativistic relative of the magnon S-matrix. Journal of High Energy Physics, 2011, 2011, 1.	4.7	28

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19	Marginal and non-commutative deformations via non-abelian T-duality. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	27
20	Integrable 2d sigma models: Quantum corrections to geometry from RG flow. <i>Nuclear Physics B</i> , 2019, 949, 114798.	2.5	27
21	Tree-level S-matrix of Pohlmeyer reduced form of AdS 5 – S 5 superstring theory. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	26
22	Bound states of the q-deformed AdS5–S5 superstring S-matrix. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	26
23	Restoring unitarity in the q-deformed world-sheet S-matrix. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	26
24	Integrable sigma models and 2-loop RG flow. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	25
25	Integrable deformations of sigma models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 093001.	2.1	24
26	On the perturbative S-matrix of generalized sine-Gordon models. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	22
27	S-matrix algebra of theAdS2–S2superstring. <i>Physical Review D</i> , 2016, 93, .	4.7	21
28	Pohlmeyer-reduced form of string theory in $\text{AdS}_{5+1} \times S^5$: semiclassical expansion. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 375204.	2.1	20
29	Yang-Baxter deformations of the principal chiral model plus Wess-Zumino term. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 505401.	2.1	19
30	On the massless tree-level S-matrix in 2d sigma models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 144005.	2.1	17
31	Poisson-Lie duals of the $\hat{\iota}$ -deformed symmetric space sigma model. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	16
32	Non-split and split deformations of AdS_5 . <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 484003.	2.1	15
33	Three-parameter integrable deformation of $\mathfrak{so}(4)$ permutation supercosets. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	13
34	Poisson-Lie duals of the $\hat{\iota}$ -deformed AdS2 – S2 – T6 superstring. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	12
35	Orbit method quantization of the AdS2superparticle. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 315403.	2.1	9
36	Maximally extended $\mathfrak{so}(4)$, q-deformed $\mathfrak{so}(4)$ and 3D kappa-Poincaré. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 314003.	2.1	9

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37	Sigma models with local couplings: a new integrability-RG flow connection. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	9
38	Pohlmeyer reduction for superstrings in AdS space. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 015401.	2.1	4
39	Dual description of $\hat{\Gamma}$ -deformed OSP sigma models. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	4
40	Scattering and Unitarity Methods in Two Dimensions. <i>Springer Proceedings in Physics</i> , 2016, , 169-177.	0.2	1