

# Niklas Beisert

## List of Publications by Year in descending order

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53  
papers

5,930  
citations

212478

28  
h-index

206121

51  
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53  
all docs

53  
docs citations

53  
times ranked

898  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Yangian symmetry for the action of planar $N=4$ super Yang-Mills and $N=6$ super Chern-Simons theories. Physical Review D, 2018, 98, .  | 1.6 | 13        |
| 2  | Yangian algebra and correlation functions in planar Gauge theories. SciPost Physics, 2018, 5, .   | 1.5 | 6         |
| 3  | Yangian Symmetry and Integrability of Planar $\mathcal{N}=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2017, 118, 141603.  | 2.9 | 21        |
| 4  | Maximally extended $\mathfrak{sl}(2 2)$ , $q$ -deformed $\mathfrak{d}\{(2, 1; \epsilon)\}$ and 3D kappa-Poincaré. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 314003. | 0.7 | 9         |
| 5  | Maximally extended $\mathfrak{sl}(2 2)$ as a quantum double. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 434005.  | 0.7 | 11        |
| 6  | Integrability of smooth Wilson loops in $N = 4$ superspace. Journal of High Energy Physics, 2015, 2015, 1-48.   | 1.6 | 13        |
| 7  | Smooth Wilson loops in $N = 4$ non-chiral superspace. Journal of High Energy Physics, 2015, 2015, 1-47.   | 1.6 | 11        |
| 8  | Fusion for the one-dimensional Hubbard model. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 324002.   | 0.7 | 7         |
| 9  | The RTT realization for the deformed $\mathfrak{sl}(2 2)$ Yangian. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 305201.  | 0.7 | 21        |
| 10 | On Yangian-invariant regularization of deformed on-shell diagrams in $\mathcal{N}=4$ super-Yang-Mills theory. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 365402.     | 0.7 | 9         |
| 11 | Integrable deformations of the XXZ spin chain. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P09028.   | 0.9 | 13        |
| 12 | Conformal anomaly for amplitudes in $\mathcal{N}=6$ superconformal Chern-Simons theory. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 475402.                           | 0.7 | 21        |
| 13 | A quantum affine algebra for the deformed Hubbard chain. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 365206.  | 0.7 | 17        |
| 14 | Null polygonal Wilson loops in full $\mathcal{N}=4$ superspace. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 265402.   | 0.7 | 7         |
| 15 | Construction of Lax connections by exponentiation. Journal of Mathematical Physics, 2012, 53, 122304.   | 0.5 | 8         |
| 16 | Geometry of null polygons in full $\mathcal{N}=4$ superspace. Physical Review D, 2012, 86, .  | 1.6 | 4         |
| 17 | Review of AdS/CFT Integrability, Chapter VI.1: Superconformal Symmetry. Letters in Mathematical Physics, 2012, 99, 529-545.   | 0.5 | 54        |
| 18 | Review of AdS/CFT Integrability: An Overview. Letters in Mathematical Physics, 2012, 99, 3-32.  | 0.5 | 908       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Exact superconformal and Yangian symmetry of scattering amplitudes. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 454012.                      | 0.7 | 23        |
| 20 | The classical trigonometric $r$ -matrix for the quantum-deformed Hubbard chain. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 265202.          | 0.7 | 15        |
| 21 | Bonus Yangian Symmetry for the Planar $S$ Matrix of $N=4$ Supersymmetric Yang-Mills Theory. Physical Review Letters, 2011, 106, 231602.                        | 2.9 | 26        |
| 22 | ON YANGIAN SYMMETRY IN PLANAR $N = 4$ SYM., 2011, , .  |     | 14        |
| 23 | One-loop superconformal and Yangian symmetries of scattering amplitudes in $N = 4$ super Yang-Mills. Journal of High Energy Physics, 2010, 2010, 1.            | 1.6 | 69        |
| 24 | The $su(2 3)$ Undynamic Spin Chain. Progress of Theoretical Physics Supplement, 2009, 177, 1-11.   | 0.2 | 9         |
| 25 | Long-range deformations for integrable spin chains. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 285205.                                      | 0.7 | 62        |
| 26 | Exacting $N = 4$ superconformal symmetry. Journal of High Energy Physics, 2009, 2009, 056-056.   | 1.6 | 74        |
| 27 | The Classical $r$ -Matrix of AdS/CFT and its Lie Bialgebra Structure. Communications in Mathematical Physics, 2009, 285, 537-565.                              | 1.0 | 55        |
| 28 | Quantum deformations of the one-dimensional Hubbard model. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 255204.                               | 0.7 | 70        |
| 29 | Dual superconformal symmetry from $AdS_5$ integrability. Physical Review D, 2008, 78, .  |     |           |
| 30 | Quantum stability for the Heisenberg ferromagnet. New Journal of Physics, 2008, 10, 103023.  | 1.2 | 23        |
| 31 | Yangian symmetry of long-range $\mathfrak{g}(\mathbb{N})$ integrable spin chains. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P03001. | 0.9 | 22        |
| 32 | Boosting nearest-neighbour to long-range integrable spin chains. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, L11001.                  | 0.9 | 48        |
| 33 | The $su(2 2)$ Dynamic S-Matrix. Advances in Theoretical and Mathematical Physics, 2008, 12, 948-979.   | 0.4 | 398       |
| 34 | ON THE SCATTERING PHASE FOR $AdS_5$ $S^5$ STRINGS. Modern Physics Letters A, 2007, 22, 415-424.  | 0.5 | 22        |
| 35 | On symmetry enhancement in the $(1, 1 2)$ sector of $N = 4$ SYM. Journal of High Energy Physics, 2007, 2007, 031-031.  | 1.6 | 29        |
| 36 | The analytic Bethe ansatz for a chain with centrally extended symmetry. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P01017-P01017.    | 0.9 | 125       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Transcendentality and crossing. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P01021-P01021.                 | 0.9  | 344       |
| 38 | The S-Matrix of AdS/CFT and Yangian Symmetry. , 2007, , .   |      | 17        |
| 39 | A crossingâ€“symmetric phase for AdS <sup>5</sup> –S <sup>5</sup> strings. Journal of High Energy Physics, 2006, 2006, 070-070.     | 1.6  | 268       |
| 40 | Complete spectrum of long operators in Script N = 4 SYM at one loop. Journal of High Energy Physics, 2005, 2005, 030-030.           | 1.6  | 93        |
| 41 | Beauty and the twist: the Bethe ansatz for twisted Script N = 4 SYM. Journal of High Energy Physics, 2005, 2005, 039-039.           | 1.6  | 145       |
| 42 | The Bethe ansatz for Bbb ZS orbifolds of Script N = 4 super Yang-Mills theory. Journal of High Energy Physics, 2005, 2005, 037-037. | 1.6  | 40        |
| 43 | One-loop QCD spin chain and its spectrum. Nuclear Physics B, 2005, 717, 137-189.  | 0.9  | 45        |
| 44 | Long-range Bethe ansätze for gauge theory and strings. Nuclear Physics B, 2005, 727, 1-62.  | 0.9  | 503       |
| 45 | The dilatation operator of N=4 super Yangâ€“Mills theory and integrability. Physics Reports, 2004, 405, 1-202.                      | 10.3 | 337       |
| 46 | Higher-loop integrability in gauge theory. Comptes Rendus Physique, 2004, 5, 1039-1048.   | 0.3  | 28        |
| 47 | The complete one-loop dilatation operator of super-Yangâ€“Mills theory. Nuclear Physics B, 2004, 676, 3-42.                         | 0.9  | 343       |
| 48 | The dynamic spin chain. Nuclear Physics B, 2004, 682, 487-520.  | 0.9  | 267       |
| 49 | The SYM integrable super spin chain. Nuclear Physics B, 2003, 670, 439-463.   | 0.9  | 575       |
| 50 | BMN operators and superconformal symmetry. Nuclear Physics B, 2003, 659, 79-118.  | 0.9  | 70        |
| 51 | Higher loops, integrability and the near BMN limit. Journal of High Energy Physics, 2003, 2003, 062-062.                            | 1.6  | 59        |
| 52 | Stringing spins and spinning strings. Journal of High Energy Physics, 2003, 2003, 010-010.  | 1.6  | 231       |
| 53 | Precision spectroscopy of AdS/CFT. Journal of High Energy Physics, 2003, 2003, 037-037.   | 1.6  | 196       |