

# Ruben Manvelyan

## List of Publications by Year in descending order

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17  
papers

377  
citations

759233

12  
h-index

940533

16  
g-index

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all docs

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docs citations

17  
times ranked

79  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A generating function for the cubic interactions of higher spin fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 410-415.                                   | 4.1 | 93        |
| 2  | Off-shell superconformal higher spin multiplets in four dimensions. Journal of High Energy Physics, 2017, 2017, 1.  | 4.7 | 38        |
| 3  | Ultraviolet behaviour of higher spin gauge field propagators and one loop mass renormalization. Nuclear Physics B, 2008, 803, 405-427.  | 2.5 | 34        |
| 4  | Off-shell construction of some trilinear higher spin gauge field interactions. Nuclear Physics B, 2010, 826, 1-17.  | 2.5 | 34        |
| 5  | Conformal coupling of higher spin gauge fields to a scalar field in AdS4 and generalized Weyl invariance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 593, 253-261. | 4.1 | 29        |
| 6  | CONFORMAL INVARIANT INTERACTION OF A SCALAR FIELD WITH HIGHER SPIN FIELD IN AdS <sub>D</sub> . Modern Physics Letters A, 2010, 25, 1333-1348.   | 1.2 | 25        |
| 7  | Radial reduction and cubic interaction for higher spins in space. Nuclear Physics B, 2013, 872, 265-288.  | 2.5 | 19        |
| 8  | The masses of gauge fields in higher spin field theory on the bulk of AdS4. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 613, 197-207.                               | 4.1 | 15        |
| 9  | The off-shell behavior of propagators and the Goldstone field in higher spin gauge theory on space. Nuclear Physics B, 2005, 717, 3-18.   | 2.5 | 15        |
| 10 | The quantum one loop trace anomaly of the higher spin conformal conserved currents in the bulk of. Nuclear Physics B, 2006, 733, 104-122.   | 2.5 | 14        |
| 11 | On nonlinear higher spin curvature. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 187-191.   | 4.1 | 14        |
| 12 | Generalized curvature and Ricci tensors for a higher spin potential and the trace anomaly in external higher spin fields in space. Nuclear Physics B, 2008, 796, 457-470.                                       | 2.5 | 13        |
| 13 | The structure of the trace anomaly of higher spin conformal currents in the bulk of. Nuclear Physics B, 2006, 751, 285-303.   | 2.5 | 12        |
| 14 | Cubic interaction for higher spins in AdS+1 space in the explicit covariant form. Nuclear Physics B, 2020, 950, 114876.   | 2.5 | 9         |
| 15 | Geometrical structure of Weyl invariants for spin three gauge field in general gravitational background in $d=4$ . Nuclear Physics B, 2018, 937, 1-27.  | 2.5 | 7         |
| 16 | On special quartic interaction of higher spin gauge fields with scalars and gauge symmetry commutator in the linear approximation. Nuclear Physics B, 2021, 971, 115512.  | 2.5 | 6         |
| 17 | Charged isotropic non-Abelian dyonic black branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 90-96.  | 4.1 | 0         |