

# Benjamin Knorr

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/813698/publications.pdf>

Version: 2024-02-01

24  
papers

1,030  
citations

394421

19  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

333  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | One-Loop Renormalization of Cubic Gravity in Six Dimensions. <i>Physical Review Letters</i> , 2022, 128, 161301.   | 7.8 | 1         |
| 2  | Lessons from conformally reduced quantum gravity. <i>Classical and Quantum Gravity</i> , 2021, 38, 065003.   | 4.0 | 11        |
| 3  | Scattering amplitudes in affine gravity. <i>Physical Review D</i> , 2021, 103, .   | 4.7 | 4         |
| 4  | Non-Perturbative Propagators in Quantum Gravity. <i>Universe</i> , 2021, 7, 216.   | 2.5 | 22        |
| 5  | Exact solutions and residual regulator dependence in functional renormalisation group flows. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 275401. | 2.1 | 6         |
| 6  | The derivative expansion in asymptotically safe quantum gravity: general setup and quartic order. <i>SciPost Physics Core</i> , 2021, 4, .                                 | 2.8 | 18        |
| 7  | Finite Quantum Gravity Amplitudes: No Strings Attached. <i>Physical Review Letters</i> , 2020, 125, 181301.  | 7.8 | 38        |
| 8  | Graviton-mediated scattering amplitudes from the quantum effective action. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.  | 4.7 | 21        |
| 9  | Momentum dependence of quantum critical Dirac systems. <i>Physical Review D</i> , 2019, 99, .  | 4.7 | 14        |
| 10 | Form factors in asymptotic safety: conceptual ideas and computational toolbox. <i>Classical and Quantum Gravity</i> , 2019, 36, 234001.                                    | 4.0 | 65        |
| 11 | Resolving Spacetime Singularities within Asymptotic Safety. <i>Physical Review Letters</i> , 2019, 123, 101301.  | 7.8 | 66        |
| 12 | Lorentz symmetry is relevant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 792, 142-148.                                | 4.1 | 30        |
| 13 | Critical chiral Heisenberg model with the functional renormalization group. <i>Physical Review B</i> , 2018, 97, .   | 3.2 | 35        |
| 14 | Infinite order quantum-gravitational correlations. <i>Classical and Quantum Gravity</i> , 2018, 35, 115005.  | 4.0 | 33        |
| 15 | Towards Reconstructing the Quantum Effective Action of Gravity. <i>Physical Review Letters</i> , 2018, 121, 161304.  | 7.8 | 35        |
| 16 | Correlation functions on a curved background. <i>Physical Review D</i> , 2017, 96, .   | 4.7 | 49        |
| 17 | Ising and Gross-Neveu model in next-to-leading order. <i>Physical Review B</i> , 2016, 94, .   | 3.2 | 44        |
| 18 | Solving functional flow equations with pseudospectral methods. <i>Physical Review D</i> , 2016, 94, .  | 4.7 | 44        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Global flows in quantum gravity. Physical Review D, 2016, 93, .   | 4.7 | 93        |
| 20 | Gravitational Two-Loop Counterterm Is Asymptotically Safe. Physical Review Letters, 2016, 116, 211302.                    | 7.8 | 111       |
| 21 | Global solutions of functional fixed point equations via pseudospectral methods. Physical Review D, 2015, 91, .           | 4.7 | 57        |
| 22 | Generalized parametrization dependence in quantum gravity. Physical Review D, 2015, 92, .                                 | 4.7 | 86        |
| 23 | Local quantum gravity. Physical Review D, 2015, 92, .   | 4.7 | 103       |
| 24 | Convergence of derivative expansion in supersymmetric functional RG flows. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 23        |