

# William Donnelly

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4104852/publications.pdf>

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28  
papers

1,422  
citations

361413

20  
h-index

477307

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

655  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local subsystems in gauge theory and gravity. Journal of High Energy Physics, 2016, 2016, 1.	4.7	216
2	Entanglement Entropy of Electromagnetic Edge Modes. Physical Review Letters, 2015, 114, 111603.	7.8	123
3	Decomposition of entanglement entropy in lattice gauge theory. Physical Review D, 2012, 85, .	4.7	117
4	Entanglement entropy and nonabelian gauge symmetry. Classical and Quantum Gravity, 2014, 31, 214003.	4.0	99
5	Entanglement Entropy and $\langle T \rangle$ Deformation. Physical Review Letters, 2018, 121, 131602.	7.8	92
6	Diffeomorphism-invariant observables and their nonlocal algebra. Physical Review D, 2016, 93, .	4.7	79
7	Sustainable entanglement production from a quantum field. Physical Review A, 2013, 88, .	2.5	74
8	Observables, gravitational dressing, and obstructions to locality and subsystems. Physical Review D, 2016, 94, .	4.7	65
9	Geometric entropy and edge modes of the electromagnetic field. Physical Review D, 2016, 94, .	4.7	60
10	Hamiltonian structure of Hořava gravity. Physical Review D, 2011, 84, .	4.7	58
11	Coupling the inflaton to an expanding aether. Physical Review D, 2010, 82, .	4.7	49
12	Entanglement entropy in loop quantum gravity. Physical Review D, 2008, 77, .	4.7	48
13	Do gauge fields really contribute negatively to black hole entropy?. Physical Review D, 2012, 86, .	4.7	35
14	How is quantum information localized in gravity?. Physical Review D, 2017, 96, .	4.7	32
15	Living on the edge: a toy model for holographic reconstruction of algebras with centers. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
16	Gravitational edge modes, coadjoint orbits, and hydrodynamics. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
17	Gravitational splitting at first order: Quantum information localization in gravity. Physical Review D, 2018, 98, .	4.7	26
18	Stability of the aether. Physical Review D, 2010, 82, .	4.7	21

#	ARTICLE	IF	CITATIONS
19	Quantum seismology. <i>New Journal of Physics</i> , 2014, 16, 105020.	2.9	21
20	Entanglement branes in a two-dimensional string theory. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	20
21	Locality and entanglement in bandlimited quantum field theory. <i>Physical Review D</i> , 2015, 92, .	4.7	18
22	Quantum corrections to finite radius holography and holographic entanglement entropy. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	17
23	Entanglement branes, modular flow, and extended topological quantum field theory. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	13
24	Unitarity of Maxwell theory on curved spacetimes in the covariant formalism. <i>Physical Review D</i> , 2013, 87, .	4.7	11
25	Electromagnetic duality and entanglement anomalies. <i>Physical Review D</i> , 2017, 96, .	4.7	11
26	Entanglement entropy and the large N expansion of two-dimensional Yang-Mills theory. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	11
27	Combing gravitational hair in 2 + 1 dimensions. <i>Classical and Quantum Gravity</i> , 2016, 33, 025010.	4.0	9
28	Entanglement entropy and edge modes in topological string theory. Part I. Generalized entropy for closed strings. <i>Journal of High Energy Physics</i> , 2021, 2021, 201.	4.7	8