

# Jeffrey Winicour

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

956  
citations

516710

16  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-powered gravitational news. <i>Physical Review D</i> , 1997, 56, 6298-6309.	4.7	128
2	Linkages in general relativity. <i>Journal of Mathematical Physics</i> , 1981, 22, 803-812.	1.1	104
3	Bondi-Sachs Formalism. <i>Scholarpedia Journal</i> , 2016, 11, 33528.	0.3	92
4	Well-posed initial-boundary evolution in general relativity. <i>Physical Review D</i> , 2003, 68, .	4.7	84
5	Grazing Collisions of Black Holes via the Excision of Singularities. <i>Physical Review Letters</i> , 2000, 85, 5496-5499.	7.8	73
6	Incorporation of matter into characteristic numerical relativity. <i>Physical Review D</i> , 1999, 60, .	4.7	56
7	Mode coupling in the nonlinear response of black holes. <i>Physical Review D</i> , 2003, 68, .	4.7	55
8	Harmonic initial-boundary evolution in general relativity. <i>Physical Review D</i> , 2006, 73, .	4.7	50
9	Cauchy-Characteristic Matching: A New Approach to Radiation Boundary Conditions. <i>Physical Review Letters</i> , 1996, 76, 4303-4306.	7.8	45
10	Cauchy boundaries in linearized gravitational theory. <i>Physical Review D</i> , 2000, 62, .	4.7	35
11	Black hole data via a Kerr-Schild approach. <i>Physical Review D</i> , 1998, 57, 6113-6118.	4.7	28
12	Numerical relativistic model of a massive particle in orbit near a Schwarzschild black hole. <i>Physical Review D</i> , 2003, 68, .	4.7	25
13	Constraint-preserving Sommerfeld conditions for the harmonic Einstein equations. <i>Physical Review D</i> , 2007, 75, .	4.7	23
14	The sky pattern of the linearized gravitational memory effect. <i>Classical and Quantum Gravity</i> , 2016, 33, 175006.	4.0	23
15	Characteristic Evolution and Matching. <i>Living Reviews in Relativity</i> , 1998, 1, 5.	26.7	22
16	Exact solutions for the intrinsic geometry of black hole coalescence. <i>Physical Review D</i> , 1999, 60, .	4.7	21
17	Characteristic initial data for a star orbiting a black hole. <i>Physical Review D</i> , 2005, 72, .	4.7	16
18	Black hole initial data without elliptic equations. <i>Physical Review D</i> , 2015, 91, .	4.7	13

#	ARTICLE	IF	CITATIONS
19	Radiation memory, boosted Schwarzschild spacetimes and supertranslations. <i>Classical and Quantum Gravity</i> , 2017, 34, 115009.	4.0	10
20	Geometrization of metric boundary data for Einstein's equations. <i>General Relativity and Gravitation</i> , 2009, 41, 1909-1926.	2.0	9
21	Kerr black holes and nonlinear radiation memory. <i>Classical and Quantum Gravity</i> , 2019, 36, 095009.	4.0	8
22	Killing inequalities for relativistically rotating fluids. II. <i>Journal of Mathematical Physics</i> , 1977, 18, 1206-1209.	1.1	7
23	Worldtube conservation laws for the null-timelike evolution problem. <i>General Relativity and Gravitation</i> , 2011, 43, 3269-3288.	2.0	7
24	Boosted Schwarzschild metrics from a Kerr-Schild perspective. <i>Classical and Quantum Gravity</i> , 2018, 35, 035009.	4.0	6
25	Toward computing gravitational initial data without elliptic solvers. <i>Classical and Quantum Gravity</i> , 2018, 35, 135002.	4.0	5
26	An initial value gravitational quadrupole radiation theorem. <i>Journal of Mathematical Physics</i> , 1987, 28, 668-676.	1.1	4
27	The algebraic-hyperbolic approach to the linearized gravitational constraints on a Minkowski background. <i>Classical and Quantum Gravity</i> , 2017, 34, 157001.	4.0	4
28	Prescriptions for gravitational initial data as judged by a simple radiating model. <i>General Relativity and Gravitation</i> , 1990, 22, 81-95.	2.0	2
29	The characteristics of colliding black holes. , 1999, , .		1