

Carsten Gundlach

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

951
citations

687363

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713466

21
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21
all docs

21
docs citations

21
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical Phenomena in Gravitational Collapse. Living Reviews in Relativity, 2007, 10, 5.	26.7	220
2	Late-time behavior of stellar collapse and explosions. II. Nonlinear evolution. Physical Review D, 1994, 49, 890-899.	4.7	167
3	Critical phenomena in gravitational collapse. Physics Reports, 2003, 376, 339-405.	25.6	129
4	Understanding critical collapse of a scalar field. Physical Review D, 1997, 55, 695-713.	4.7	99
5	Choptuik Spacetime as an Eigenvalue Problem. Physical Review Letters, 1995, 75, 3214-3217.	7.8	87
6	All nonspherical perturbations of the Choptuik spacetime decay. Physical Review D, 1999, 59, .	4.7	49
7	Echoing and scaling in Einstein-Yang-Mills critical collapse. Physical Review D, 1997, 55, 6002-6013.	4.7	32
8	Global structure of Choptuik's critical solution in scalar field collapse. Physical Review D, 2003, 68, .	4.7	27
9	Critical Collapse of Rotating Radiation Fluids. Physical Review Letters, 2016, 116, 221103.	7.8	24
10	Critical gravitational collapse of a perfect fluid: Nonspherical perturbations. Physical Review D, 2002, 65, .	4.7	23
11	Critical phenomena at the threshold of immediate merger in binary black hole systems: The extreme mass ratio case. Physical Review D, 2012, 86, .	4.7	17
12	Critical Phenomena in the Gravitational Collapse of Electromagnetic Waves. Physical Review Letters, 2019, 123, 171103.	7.8	16
13	Scalar field critical collapse in $2+1$ dimensions. Physical Review D, 2015, 92, .	4.7	13
14	Critical gravitational collapse with angular momentum. Physical Review D, 2016, 94, .	4.7	12
15	Critical gravitational collapse with angular momentum. II. Soft equations of state. Physical Review D, 2018, 97, .	4.7	11
16	Critical collapse of a rotating scalar field in $2+1$ dimensions. Physical Review D, 2017, 95, .	4.7	7
17	Critical phenomena in gravitational collapse with two competing massless matter fields. Physical Review D, 2019, 100, .	4.7	7
18	Rigidly rotating perfect fluid stars in $2+1$ dimensions. Physical Review D, 2020, 102, .	4.7	6

#	ARTICLE	IF	CITATIONS
19	Critical collapse of a spherically symmetric ultrarelativistic fluid in 2+1 dimensions. Physical Review D, 2021, 103, .	4.7	3
20	Fully constrained, high-resolution shock-capturing, formulation of the Einstein-fluid equations in 2+1 dimensions. Physical Review D, 2021, 104, .	4.7	1
21	Critical collapse of an axisymmetric ultrarelativistic fluid in 2+1 dimensions. Physical Review D, 2021, 104, .	4.7	1