

Helvi Witek

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

3,070
citations

257450

24
h-index

361022

35
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36
all docs

36
docs citations

36
times ranked

2353
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-Newtonian gravitational and scalar waves in scalar-Gauss-Bonnet gravity. Classical and Quantum Gravity, 2022, 39, 035002.	4.0	44
2	How do spherical black holes grow monopole hair?. Physical Review D, 2022, 105, .	4.7	9
3	New horizons for fundamental physics with LISA. Living Reviews in Relativity, 2022, 25, .	26.7	82
4	Projecting the likely importance of weak-interaction-driven bulk viscosity in neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1096-1108.	4.4	34
5	The missing link in gravitational-wave astronomy. Experimental Astronomy, 2021, 51, 1427-1440.	3.7	15
6	Nonlinear curvature effects in gravitational waves from inspiralling black hole binaries. Physical Review D, 2021, 103, .	4.7	29
7	Petrov type, principal null directions, and Killing tensors of slowly rotating black holes in quadratic gravity. Physical Review D, 2021, 103, .	4.7	11
8	Square Peg in a Circular Hole: Choosing the Right Ansatz for Isolated Black Holes in Generic Gravitational Theories. Physical Review Letters, 2021, 126, 241104.	7.8	17
9	Dynamical Descalarization in Binary Black Hole Mergers. Physical Review Letters, 2021, 127, 031101.	7.8	65
10	Prospects for fundamental physics with LISA. General Relativity and Gravitation, 2020, 52, 1.	2.0	198
11	Evolution of black hole shadows from superradiance. Physical Review D, 2020, 101, .	4.7	17
12	Towards numerical relativity in scalar Gauss-Bonnet gravity: $3\gamma + 1$ decomposition beyond the small-coupling limit. Physical Review D, 2020, 101, .	4.7	31
13	The missing link in gravitational-wave astronomy: discoveries waiting in the decihertz range. Classical and Quantum Gravity, 2020, 37, 215011.	4.0	90
14	Impact of multiple modes on the black-hole superradiant instability. Physical Review D, 2019, 99, .	4.7	34
15	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	4.0	451
16	Black holes and binary mergers in scalar Gauss-Bonnet gravity: Scalar field dynamics. Physical Review D, 2019, 99, .	4.7	131
17	Axionic instabilities and new black hole solutions. Physical Review D, 2019, 99, .	4.7	59
18	Black hole hair formation in shift-symmetric generalised scalar-tensor gravity. Classical and Quantum Gravity, 2017, 34, 064001.	4.0	77

#	ARTICLE	IF	CITATIONS
19	Dynamical scalar hair formation around a Schwarzschild black hole. <i>Physical Review D</i> , 2016, 94, .	4.7	57
20	Nonlinear interactions between black holes and Proca fields. <i>Classical and Quantum Gravity</i> , 2015, 32, 234003.	4.0	68
21	Testing general relativity with present and future astrophysical observations. <i>Classical and Quantum Gravity</i> , 2015, 32, 243001.	4.0	943
22	Initial value formulation of dynamical Chern-Simons gravity. <i>Physical Review D</i> , 2015, 91, .	4.7	66
23	Higher dimensional numerical relativity: Code comparison. <i>Physical Review D</i> , 2014, 90, .	4.7	10
24	Black holes and fundamental fields in numerical relativity: Initial data construction and evolution of bound states. <i>Physical Review D</i> , 2014, 89, .	4.7	79
25	Superradiant instabilities in astrophysical systems. <i>Physical Review D</i> , 2013, 87, .	4.7	178
26	NR/HEP: roadmap for the future. <i>Classical and Quantum Gravity</i> , 2012, 29, 244001.	4.0	50
27	BLACK HOLES IN A BOX. , 2012, , .		0
28	Collisions of unequal mass black holes and the point particle limit. <i>Physical Review D</i> , 2011, 84, .	4.7	55
29	Higher-dimensional puncture initial data. <i>Physical Review D</i> , 2011, 84, .	4.7	15
30	Simulations of black holes in compactified spacetimes. <i>Journal of Physics: Conference Series</i> , 2011, 314, 012103.	0.4	2
31	Numerical Relativity in D dimensional space-times: Collisions of unequal mass black holes. <i>Journal of Physics: Conference Series</i> , 2011, 314, 012104.	0.4	2
32	Stability of the puncture method with a generalized Baumgarte-Shapiro-Shibata-Nakamura formulation. <i>Physical Review D</i> , 2011, 83, .	4.7	12
33	Numerical relativity in higher dimensions. <i>Journal of Physics: Conference Series</i> , 2010, 229, 012074.	0.4	2
34	Black holes in a box: Toward the numerical evolution of black holes in AdS space-times. <i>Physical Review D</i> , 2010, 82, .	4.7	35
35	Numerical relativity for D dimensional space-times: Head-on collisions of black holes and gravitational wave extraction. <i>Physical Review D</i> , 2010, 82, .	4.7	51
36	Numerical relativity for D dimensional axially symmetric space-times: Formalism and code tests. <i>Physical Review D</i> , 2010, 81, .	4.7	51