

Manuel Tiglio

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

926
citations

687363

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839539

18
g-index

20
all docs

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docs citations

20
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	Gravitational wave surrogates through automated machine learning. <i>Classical and Quantum Gravity</i> , 2022, 39, 085011.	4.0	6
2	Reduced order and surrogate models for gravitational waves. <i>Living Reviews in Relativity</i> , 2022, 25, .	26.7	7
3	On ab initio-based, free and closed-form expressions for gravitational waves. <i>Scientific Reports</i> , 2021, 11, 5832.	3.3	4
4	Fast and Accurate Prediction of Numerical Relativity Waveforms from Binary Black Hole Coalescences Using Surrogate Models. <i>Physical Review Letters</i> , 2015, 115, 121102.	7.8	124
5	Accelerated Gravitational Wave Parameter Estimation with Reduced Order Modeling. <i>Physical Review Letters</i> , 2015, 114, 071104.	7.8	79
6	Fast Prediction and Evaluation of Gravitational Waveforms Using Surrogate Models. <i>Physical Review X</i> , 2014, 4, .	8.9	137
7	Sparse Representations of Gravitational Waves from Precessing Compact Binaries. <i>Physical Review Letters</i> , 2014, 113, 021101.	7.8	15
8	Two-Step Greedy Algorithm for Reduced Order Quadratures. <i>Journal of Scientific Computing</i> , 2013, 57, 604-637.	2.3	34
9	Gravitational wave parameter estimation with compressed likelihood evaluations. <i>Physical Review D</i> , 2013, 87, .	4.7	52
10	Reduced basis representations of multi-mode black hole ringdown gravitational waves. <i>Classical and Quantum Gravity</i> , 2012, 29, 095016.	4.0	24
11	Numerical simulations with a first-order BSSN formulation of Einstein's field equations. <i>Physical Review D</i> , 2012, 85, .	4.7	29
12	Continuum and Discrete Initial-Boundary Value Problems and Einstein's Field Equations. <i>Living Reviews in Relativity</i> , 2012, 15, 9.	26.7	106
13	Reduced Basis Catalogs for Gravitational Wave Templates. <i>Physical Review Letters</i> , 2011, 106, 221102.	7.8	76
14	Integrating post-Newtonian equations on graphics processing units. <i>Classical and Quantum Gravity</i> , 2010, 27, 032001.	4.0	11
15	Statistical constraints on binary black hole inspiral dynamics. <i>Classical and Quantum Gravity</i> , 2010, 27, 245007.	4.0	11
16	Mode coupling of Schwarzschild perturbations: Ringdown frequencies. <i>Physical Review D</i> , 2010, 82, .	4.7	15
17	Turduckening black holes: An analytical and computational study. <i>Physical Review D</i> , 2009, 79, .	4.7	174
18	Orbiting binary black hole evolutions with a multipatch high order finite-difference approach. <i>Physical Review D</i> , 2009, 80, .	4.7	20

#	ARTICLE	IF	CITATIONS
19	On the stability and accuracy of the Empirical Interpolation Method and Gravitational Wave Surrogates. Classical and Quantum Gravity, 0, , .	4.0	2