Riccardo Sturani

List of Publications by Year
in descending order

28 papers	971 citations	567281 15 h-index	580821 25 g-index
30 all docs	30 docs citations	30 times ranked	719 citing authors

#	Article	IF	Citations
1	Effective field theory calculation of conservative binary dynamics at third post-Newtonian order. Physical Review D, 2011, 84, .	4.7	90
2	Effective field theory approach to the gravitational two-body dynamics at fourth post-Newtonian order and quintic in the Newton constant. Physical Review D, 2017, 95, .	4.7	88
3	Conservative dynamics of binary systems to fourth post-Newtonian order in the EFT approach. II. Renormalized Lagrangian. Physical Review D, 2019, 100, .	4.7	88
4	Dynamics of the gravitational two-body problem at fourth post-Newtonian order and at quadratic order in the Newton constant. Physical Review D, 2013, 87, .	4.7	86
5	Effective field theory methods to model compact binaries. Classical and Quantum Gravity, 2014, 31, 043001.	4.0	84
6	Static Two-Body Potential at Fifth Post-Newtonian Order. Physical Review Letters, 2019, 122, 241605.	7.8	78
7	Parameter estimation for heavy binary-black holes with networks of second-generation gravitational-wave detectors. Physical Review D, 2017, 95, .	4.7	66
8	Conservative dynamics of binary systems to fourth post-Newtonian order in the EFT approach. I. Regularized Lagrangian. Physical Review D, 2019, 100, .	4.7	64
9	Tail terms in gravitational radiation reaction via effective field theory. Physical Review D, 2013, 87, .	4.7	61
10	Effect of matter structure on the gravitational waveform. Physical Review D, 2017, 95, .	4.7	53
11	Hereditary terms at next-to-leading order in two-body gravitational dynamics. Physical Review D, 2020, 101, .	4.7	41
12	Logarithmic tail contributions to the energy function of circular compact binaries. Physical Review D, 2020, 101, .	4.7	26
13	Measuring the Hubble constant with black sirens. Physical Review D, 2022, 105, .	4.7	20
14	Classical gravitational self-energy from double copy. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
15	Tail contributions to gravitational conservative dynamics. Physical Review D, 2021, 104, .	4.7	16
16	Efficient resummation of high post-Newtonian contributions to the binding energy. Journal of High Energy Physics, 2021, 2021, 1.	4.7	15
17	Gravitational waves from neutron star excitations in a binary inspiral. Physical Review D, 2018, 97, .	4.7	13
18	Near and far zones in two-body dynamics: An effective field theory perspective. Physical Review D, 2021, 104, .	4.7	13

#	Article	IF	Citations
19	Cosmography with standard sirens from the Einstein Telescope. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 025.	5.4	11
20	Observing the Dark Sector. Universe, 2019, 5, 137.	2.5	6
21	Gravitational multipole renormalization. Physical Review D, 2021, 104, .	4.7	6
22	Cosmological model selection from standard siren detections by third-generation gravitational wave observatories. Physics of the Dark Universe, 2021, 32, 100830.	4.9	5
23	Fundamental Gravity and Gravitational Waves. Symmetry, 2021, 13, 2384.	2.2	4
24	Effects of short-distance modifications to general relativity in spinning binary systems. Physical Review D, 2021, 103, .	4.7	3
25	Post-Newtonian Templates for Gravitational Waves from Compact Binary Inspirals. , 2021, , 1-49.		3
26	A gravitational non-radiative memory effect. General Relativity and Gravitation, 2021, 53, 1.	2.0	0
27	Effective Field Theory Methods to Model Compact Binaries. , 2022, , 1279-1310.		0
28	Post-Newtonian Templates for Gravitational Waves from Compact Binary Inspirals. , 2022, , 1229-1277.		0