

Philippe Landry

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

5,316
citations

304743

22
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

3819
citing authors

#	ARTICLE	IF	CITATIONS
1	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	7.8	1,473
2	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. Astrophysical Journal Letters, 2020, 896, L44.	8.3	1,090
3	GW190425: Observation of a Compact Binary Coalescence with Total Mass $\hat{A}^{\sim} \frac{1}{4} \hat{A} 3.4 M_{\text{sub}} \hat{A}^{\text{TM}}$. Astrophysical Journal Letters, 2020, 892, L3.	8.3	1,049
4	Observation of Gravitational Waves from Two Neutron Star "Black Hole Coalescences. Astrophysical Journal Letters, 2021, 915, L5.	8.3	453
5	Nonparametric constraints on neutron star matter with existing and upcoming gravitational wave and pulsar observations. Physical Review D, 2020, 101, .	4.7	188
6	Nonparametric inference of the neutron star equation of state from gravitational wave observations. Physical Review D, 2019, 99, .	4.7	112
7	Nonparametric inference of neutron star composition, equation of state, and maximum mass with GW170817. Physical Review D, 2020, 101, .	4.7	108
8	Astrophysical Constraints on the Symmetry Energy and the Neutron Skin of Pb	7.8	94
9	Impact of the PSR $J0737-3039A$ on the Neutron Star Radius Constraint on the Properties of High-Density Matter. Physical Review D, 2021, 104, .	4.7	93
10	Tidal deformation of a slowly rotating material body: External metric. Physical Review D, 2015, 91, .	4.7	84
11	Direct astrophysical tests of chiral effective field theory at supranuclear densities. Physical Review C, 2020, 102, .	2.9	73
12	Standard sirens with a running Planck mass. Physical Review D, 2019, 99, .	4.7	71
13	Inferring neutron star properties from GW170817 with universal relations. Physical Review D, 2019, 99, .	4.7	56
14	Constraints on the Moment of Inertia of PSR J0737-3039A from GW170817. Astrophysical Journal Letters, 2018, 868, L22.	8.3	52
15	Discriminating between Neutron Stars and Black Holes with Imperfect Knowledge of the Maximum Neutron Star Mass. Astrophysical Journal, 2020, 904, 80.	4.5	47
16	Gravitomagnetic response of an irrotational body to an applied tidal field. Physical Review D, 2015, 91, .	4.7	42
17	Detailed examination of astrophysical constraints on the symmetry energy and the neutron skin of Pb with minimal modeling assumptions. Physical Review C, 2021, 104, .	4.7	38
18	Relativistic theory of surficial Love numbers. Physical Review D, 2014, 89, .	4.7	31

#	ARTICLE	IF	CITATIONS
19	Tidal deformation of a slowly rotating material body: Interior metric and Love numbers. <i>Physical Review D</i> , 2017, 95, .	4.7	29
20	Science-driven Tunable Design of Cosmic Explorer Detectors. <i>Astrophysical Journal</i> , 2022, 931, 22.	4.5	27
21	Dynamical response to a stationary tidal field. <i>Physical Review D</i> , 2015, 92, .	4.7	25
22	The Mass Distribution of Neutron Stars in Gravitational-wave Binaries. <i>Astrophysical Journal Letters</i> , 2021, 921, L25.	8.3	25
23	Extended I-Love relations for slowly rotating neutron stars. <i>Physical Review D</i> , 2018, 97, .	4.7	16
24	Implicit correlations within phenomenological parametric models of the neutron star equation of state. <i>Physical Review D</i> , 2022, 105, .	4.7	16
25	McVittie solution with a negative cosmological constant. <i>Physical Review D</i> , 2012, 86, .	4.7	15
26	Predicting electromagnetic counterparts using low-latency gravitational-wave data products. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4235-4248.	4.4	9