

Olivier Minazzoli

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,320
citations

471509

17
h-index

434195

31
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32
all docs

32
docs citations

32
times ranked

2294
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , 2019, 123, 231108.	7.8	254
2	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019, 871, L13.	8.3	145
3	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.	4.5	144
4	Extended $f(R)$ cosmologies: dependences. <i>Physical Review D</i> , 2013, 87, .	4.1	97
5	New derivation of the Lagrangian of a perfect fluid with a barotropic equation of state. <i>Physical Review D</i> , 2012, 86, .	4.7	81
6	Violation of the equivalence principle from light scalar dark matter. <i>Physical Review D</i> , 2018, 98, .	4.7	81
7	Conservation laws in theories with universal gravity/matter coupling. <i>Physical Review D</i> , 2013, 88, .	4.7	67
8	The new lunar ephemeris INPOP17a and its application to fundamental physics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1877-1888.	4.4	63
9	Breaking of the equivalence principle in the electromagnetic sector and its cosmological signatures. <i>Physical Review D</i> , 2014, 90, .	4.7	54
10	Late-time cosmology of a scalar-tensor theory with a universal multiplicative coupling between the scalar field and the matter Lagrangian. <i>Physical Review D</i> , 2014, 90, .	4.7	42
11	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ (t) Tj ETQq1 1 0.784314 rgBT /Overdo	4.0	41
12	Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. <i>Physical Review Letters</i> , 2020, 125, 131101.	7.8	35
13	Intrinsic Solar System decoupling of a scalar-tensor theory with a universal coupling between the scalar field and the matter Lagrangian. <i>Physical Review D</i> , 2013, 88, .	4.7	26
14	Constraining the Mass of the Graviton with the Planetary Ephemeris INPOP. <i>Physical Review Letters</i> , 2019, 123, 161103.	7.8	23
15	Scalar-tensor propagation of light in the inner solar system including relevant c^4 contributions for ranging and time transfer. <i>Classical and Quantum Gravity</i> , 2011, 28, 085010.	4.0	20
16	Time transfer functions as a way to validate light propagation solutions for space astrometry. <i>Classical and Quantum Gravity</i> , 2014, 31, 015021.	4.0	19
17	Post-Newtonian metric of general relativity including all the c^4 terms in the continuity of the IAU2000 resolutions. <i>Physical Review D</i> , 2009, 79, .	4.7	18
18	Shortcomings of Shapiro delay-based tests of the equivalence principle on cosmological scales. <i>Physical Review D</i> , 2019, 100, .	4.7	17

#	ARTICLE	IF	CITATIONS
19	Constraint on the Yukawa suppression of the Newtonian potential from the planetary ephemeris INPOP19a. <i>Physical Review D</i> , 2020, 102, .	4.7	15
20	On the cosmic convergence mechanism of the massless dilaton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 735, 119-121.	4.1	12
21	Dilatons with intrinsic decouplings. <i>Physical Review D</i> , 2016, 94, .	4.7	12
22	Merging matter and geometry in the same Lagrangian. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 751, 576-578.	4.1	9
23	The advanced Virgo longitudinal control system for the O2 observing run. <i>Astroparticle Physics</i> , 2020, 116, 102386.	4.3	9
24	Observables in theories with a varying fine structure constant. <i>General Relativity and Gravitation</i> , 2015, 47, 1.	2.0	8
25	Compact objects in entangled relativity. <i>Physical Review D</i> , 2021, 103, .	4.7	6
26	Rethinking the link between matter and geometry. <i>Physical Review D</i> , 2018, 98, .	4.7	5
27	De Sitter space-times in entangled relativity. <i>Classical and Quantum Gravity</i> , 2021, 38, 137003.	4.0	5
28	Constraining massless dilaton theory at Solar system scales with the planetary ephemeris INPOP. <i>Physical Review D</i> , 2022, 105, .	4.7	5
29	$\hat{\Gamma}^3$ parameter in Brans-Dicke-like (light-)scalar-tensor theory with a universal scalar-matter coupling. <i>Physical Review D</i> , 2013, 88, .	4.7	4
30	2PN/RM gauge invariance in Brans-Dicke-like scalar-tensor theories. <i>Classical and Quantum Gravity</i> , 2012, 29, 237002.	4.0	2
31	Charged black hole and radiating solutions in entangled relativity. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	1
32	Analytical external spherical solutions in entangled relativity. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	0