

Sebastian Bahamonde

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,393
citations

172457

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206112

48
g-index

63
all docs

63
docs citations

63
times ranked

942
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical systems applied to cosmology: Dark energy and modified gravity. Physics Reports, 2018, 775-777, 1-122.	25.6	244
2	Modified teleparallel theories of gravity. Physical Review D, 2015, 92, .	4.7	232
3	Noether symmetry approach in $f(T, \hat{A}B)$ teleparallel cosmology. European Physical Journal C, 2017, 77, 107.	3.9	132
4	Can Horndeski theory be recast using teleparallel gravity?. Physical Review D, 2019, 100, .	4.7	97
5	New classes of modified teleparallel gravity models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 37-43.	4.1	92
6	Thermodynamics and cosmological reconstruction in $f(T, \hat{A}B)$ teleparallel gravity. Physics of the Dark Universe, 2018, 19, 78-90.	4.9	80
7	Scalar-tensor teleparallel wormholes by Noether symmetries. Physical Review D, 2016, 94, .	4.7	78
8	Correspondence of $f(T, \hat{A}B)$ teleparallel gravity singularities in Jordan and Einstein frames. Annals of Physics, 2016, 373, 96-114.	2.8	77
9	Cosmological wormholes in $f(T, \hat{A}B)$ teleparallel gravity. Physical Review D, 2019, 100, .	4.7	69
10	Photon sphere and perihelion shift in weak $f(T, \hat{A}B)$ teleparallel gravity. Physical Review D, 2019, 100, .	4.7	67
11	Deceleration versus acceleration universe in different frames of $F(R)$ gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 225-230.	4.1	62
12	Modified teleparallel theories of gravity: Gauss-Bonnet and trace extensions. European Physical Journal C, 2016, 76, 578.	3.9	61
13	Dynamical system analysis of generalized energy-momentum-squared gravity. Physical Review D, 2019, 100, .	4.7	58
14	Teleparallel quintessence with a nonminimal coupling to a boundary term. Physical Review D, 2015, 92, .	4.7	57
15	Constraining generalized non-local cosmology from Noether symmetries. European Physical Journal C, 2017, 77, 722.	3.9	51
16	Generalized $\mathcal{A}'(R, \hat{A}B, X)$ Gravity and the Late-Time Cosmic Acceleration. Universe, 2015, 1, 186-198.	2.5	47
17	Astrophysical flows near $f(T, \hat{A}B)$ gravity black holes. European Physical Journal C, 2016, 76, 269.	3.9	47
18	Solar system tests in modified teleparallel gravity. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 024-024.	5.4	46

#	ARTICLE	IF	CITATIONS
19	Accretion processes for general spherically symmetric compact objects. European Physical Journal C, 2015, 75, 1.	3.9	45
20	Strong gravitational lensing by Kiselev black hole. Physical Review D, 2015, 92, .	4.7	45
21	Reviving Horndeski theory using teleparallel gravity after GW170817. Physical Review D, 2020, 101, .	4.7	44
22	Static spherically symmetric wormholes in generalized $f(R, \phi)$ gravity. European Physical Journal Plus, 2018, 133, 1.	2.6	34
23	Black holes in $f(T,B)$ gravity: exact and perturbed solutions. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 037.	5.4	34
24	Nonlocal teleparallel cosmology. European Physical Journal C, 2017, 77, 628.	3.9	33
25	Holographic complexity for time-dependent backgrounds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 276-282.	4.1	31
26	Exact Spherically Symmetric Solutions in Modified Teleparallel Gravity. Symmetry, 2019, 11, 1462.	2.2	30
27	Generalised teleparallel quintom dark energy non-minimally coupled with the scalar torsion and a boundary term. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 056-056.	5.4	29
28	New exact spherically symmetric solutions in $f(R, \tilde{f}, X)$ gravity by Noether's symmetry approach. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 016-016.	5.4	29
29	Post-Newtonian limit of teleparallel Horndeski gravity. Classical and Quantum Gravity, 2021, 38, 025006.	4.0	29
30	Generalized second law of thermodynamic in modified teleparallel theory. European Physical Journal C, 2017, 77, 1.	3.9	27
31	Strong gravitational lensing by a charged Kiselev black hole. European Physical Journal C, 2017, 77, 1.	3.9	26
32	Gravitational-wave propagation and polarizations in the teleparallel analog of Horndeski gravity. Physical Review D, 2021, 104, .	4.7	26
33	Thermodynamics in $f(R, \tilde{f}, X)$ gravity by Noether's symmetry approach. Physics of the Dark Universe. 2016, 14, 116-125.	4.9	25
34	Noether symmetries and boundary terms in extended Teleparallel gravity cosmology. Classical and Quantum Gravity, 2019, 36, 065013.	4.0	24
35	New models with independent dynamical torsion and nonmetricity fields. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 057-057.	5.4	23
36	Exploring axial symmetry in modified teleparallel gravity. Physical Review D, 2021, 103, .	4.7	21

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37	Observational constraints in metric-affine gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	21
38	Holographic complexity and fidelity susceptibility as holographic information dual to different volumes in AdS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 766, 94-101.	4.1	19
39	Cosmological perturbations in modified teleparallel gravity models: boundary term extension. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	19
40	Generalised nonminimally gravity-matter coupled theory. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	18
41	Exact Spherically Symmetric Solutions in Modified Gauss-Bonnet Gravity from Noether Symmetry Approach. <i>Symmetry</i> , 2020, 12, 68.	2.2	17
42	(N+1)-dimensional Lorentzian evolving wormholes supported by polytropic matter. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	16
43	Scalarized black holes in teleparallel gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 018.	5.4	15
44	Generalized tachyonic teleparallel cosmology. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	14
45	Teleparallel Gravity: Foundations and Cosmology. , 2021, , 191-242.		14
46	Stability of a d-Dimensional Thin-Shell Wormhole Surrounded by Quintessence. <i>Gravitation and Cosmology</i> , 2018, 24, 71-79.	1.1	12
47	General teleparallel modifications of Schwarzschild geometry. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021, 18, 2140001.	2.0	10
48	String-inspired Teleparallel cosmology. <i>Nuclear Physics B</i> , 2021, 962, 115238.	2.5	9
49	Rotating Kerr-Newman space-times in metric-affine gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 011.	5.4	8
50	Pleba'ski-Demia'ski solutions with dynamical torsion and nonmetricity fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 011.	5.4	8
51	A holographic bound for D3-brane. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	6
52	Linear Potentials in Galaxy Halos by Asymmetric Wormholes. <i>Universe</i> , 2018, 4, 112.	2.5	5
53	Teleparallel Gravity: Foundations and Observational Constraints—Editorial. <i>Universe</i> , 2021, 7, 269.	2.5	5
54	Friedmann-Robertson-Walker-like cosmologies with spherical symmetry. <i>Physical Review D</i> , 2013, 88, .	4.7	3

#	ARTICLE	IF	CITATIONS
55	Geometrically nonlinear Cosserat elasticity in the plane: applications to chirality. Journal of Mechanics of Materials and Structures, 2017, 12, 689-710.	0.6	3
56	The effect of modified dispersion relation on dumb holes. International Journal of Modern Physics D, 2018, 27, 1850113.	2.1	1
57	Is gravity actually the curvature of spacetime?. International Journal of Modern Physics D, 2019, 28, 1944021.	2.1	1
58	Inflation in string field theory. Nuclear Physics B, 2020, 961, 115252.	2.5	1
59	Quantum weak equivalence principle and the gravitational Casimir effect in superconductors. International Journal of Modern Physics D, 2020, 29, 2043024.	2.1	0
60	Hubble inflation in Randall-Sundrum type II model. International Journal of Modern Physics D, 2020, 29, 2050037.	2.1	0
61	A Quantum Informational Approach to the Problem of Time. Foundations of Physics, 2022, 52, 1.	1.3	0