Diego Blas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8447822/publications.pdf

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55 papers	4,187 citations	201674 27 h-index	161849 54 g-index
56 all docs	56 docs citations	56 times ranked	3078 citing authors

#	Article	IF	Citations
1	Refined ultralight scalar dark matter searches with compact atom gradiometers. Physical Review D, 2022, 105, .	4.7	9
2	Galaxy luminosity function pipeline for cosmology and astrophysics. Physical Review D, 2022, 105, .	4.7	17
3	The effect of mission duration on LISA science objectives. General Relativity and Gravitation, 2022, 54, 3.	2.0	24
4	Detecting stochastic gravitational waves with binary resonance. Physical Review D, 2022, 105, .	4.7	16
5	Bridging the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¼</mml:mi><mml:mi>Hz</mml:mi></mml:mrow></mml:math> Gap in the Gravitational-Wave Landscape with Binary Resonances. Physical Review Letters, 2022, 128, 101103.	7.8	23
6	New Roads to the Small-scale Universe: Measurements of the Clustering of Matter with the High-redshift UV Galaxy Luminosity Function. Astrophysical Journal Letters, 2022, 928, L20.	8.3	19
7	Detecting high-frequency gravitational waves with microwave cavities. Physical Review D, 2022, 105, .	4.7	50
8	Searching for dark-matter waves with PPTA and QUIJOTE pulsar polarimetry. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 014.	5.4	7
9	New horizons for fundamental physics with LISA. Living Reviews in Relativity, 2022, 25, .	26.7	82
10	First constraints on small-scale non-Gaussianity from UV galaxy luminosity functions. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 010-010.	5.4	20
11	Electromagnetic signatures of dark photon superradiance. Physical Review D, 2021, 104, .	4.7	22
12	Assessing the Fornax globular cluster timing problem in different models of dark matter. Physical Review D, 2021, 104, .	4.7	16
13	New binary pulsar constraints on Einstein-Ã¦ther theory after GW170817. Classical and Quantum Gravity, 2021, 38, 195003.	4.0	18
14	Addendum: Refined bounds on MeV-scale thermal dark sectors from BBN and the CMB. Journal of Cosmology and Astroparticle Physics, 2021, 2021, A01.	5.4	11
15	No chiral light bending by clumps of axion-like particles. Physics of the Dark Universe, 2020, 27, 100428.	4.9	13
16	New constraints on the mass of fermionic dark matter from dwarf spheroidal galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1188-1201.	4.4	25
17	Imprints of axion superradiance in the CMB. Physical Review D, 2020, 102, .	4.7	20
18	Secular effects of ultralight dark matter on binary pulsars. Physical Review D, 2020, 101, .	4.7	21

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19	Refined bounds on MeV-scale thermal dark sectors from BBN and the CMB. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 004-004.	5.4	103
20	Quenching mechanisms of photon superradiance. Physical Review D, 2020, 102, .	4.7	18
21	AEDGE: Atomic Experiment for Dark Matter and Gravity Exploration in Space. EPJ Quantum Technology, 2020, 7, .	6.3	190
22	Exploring the ultra-light to sub-MeV dark matter window with atomic clocks and co-magnetometers. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
23	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	4.0	451
24	Scattering of light dark matter in atomic clocks. Physical Review D, 2019, 99, .	4.7	13
25	Constraints on millicharged dark matter and axionlike particles from timing of radio waves. Physical Review D, 2019, 100, .	4.7	49
26	Theoretical aspects of antimatter and gravity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170277.	3.4	1
27	Binary pulsars as probes of a Galactic dark matter disk. Physics of the Dark Universe, 2018, 19, 1-11.	4.9	17
28	New orbitals probes of ultra-light dark matter. International Journal of Modern Physics A, 2018, 33, 1845018.	1.5	0
29	Scattering of scalar, electromagnetic, and gravitational waves from binary systems. Physical Review D, 2018, 98, .	4.7	5
30	Galactic rotation curves versus ultralight dark matter: Implications of the soliton-host halo relation. Physical Review D, 2018, 98, .	4.7	119
31	HoÅ™ava gravity: motivation and status. Journal of Physics: Conference Series, 2018, 952, 012002.	0.4	7
32	Renormalization of gauge theories in the background-field approach. Journal of High Energy Physics, 2018, 2018, 1.	4.7	54
33	Testing Lorentz invariance of dark matter with satellite galaxies. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 024-024.	5.4	7
34	Bounding the Speed of Gravity with Gravitational Wave Observations. Physical Review Letters, 2017, 119, 161102.	7.8	50
35	Heat kernel methods for Lifshitz theories. Journal of High Energy Physics, 2017, 2017, 1.	4.7	21
36	HoÅ™ava Gravity is Asymptotically Free in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:math> Dimensions. Physical Review Letters, 2017, 119, 211301.	7.8	48

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37	Ultralight Dark Matter Resonates with Binary Pulsars. Physical Review Letters, 2017, 118, 261102.	7.8	80
38	Viscous dark matter. , 2017, , .		0
39	Time-sliced perturbation theory II: baryon acoustic oscillations and infrared resummation. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 028-028.	5.4	116
40	Magnon inflation: slow roll with steep potentials. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 009-009.	5.4	9
41	Time-sliced perturbation theory for large scale structure I: general formalism. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 052-052.	5.4	61
42	Renormalization of HoÅ™ava gravity. Physical Review D, 2016, 93, .	4.7	110
43	Large scale structure from viscous dark matter. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 049-049.	5.4	52
44	Phenomenology of theories of gravity without Lorentz invariance: The preferred frame case. International Journal of Modern Physics D, 2014, 23, 1443009.	2.1	52
45	Cosmological perturbation theory at three-loop order. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 010-010.	5.4	88
46	Structure formation with massive neutrinos: going beyond linear theory. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 039-039.	5.4	61
47	Strong Binary Pulsar Constraints on Lorentz Violation in Gravity. Physical Review Letters, 2014, 112, 161101.	7.8	128
48	Constraints on Einstein-Ã†ther theory and HoÅ™ava gravity from binary pulsar observations. Physical Review D, 2014, 89, .	4.7	161
49	Publisherâ€™s Note: Constraints on Einstein-Ã†ther theory and HoÅ™ava gravity from binary pulsar observations [Phys. Rev. D89, 084067 (2014)]. Physical Review D, 2014, 90, .	4.7	42
50	On the non-linear scale of cosmological perturbation theory. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 024-024.	5.4	59
51	Testing Lorentz invariance of dark matter. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 057-057.	5.4	38
52	Scale-invariant alternatives to general relativity. Physical Review D, 2011, 84, .	4.7	70
53	The Cosmic Linear Anisotropy Solving System (CLASS). Part II: Approximation schemes. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 034-034.	5.4	1,378
54	Gravitational radiation in HoÅ™ava gravity. Physical Review D, 2011, 84, .	4.7	60

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55	Some Global and Local Aspects of Bigravity. International Journal of Theoretical Physics, 2007, 46, 2258-2273.	1.2	6