

# History of dark matter

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Spectator dark matter. Physical Review D, 2018, 98, .	1.6	39
2	Direct detection of fermionic and vector dark matter with polarised targets. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 018-018.	1.9	13
3	MOND as the weak field limit of an extended metric theory of gravity with a matter-curvature coupling. Physical Review D, 2018, 98, .	1.6	13
4	Lecture Notes in Cosmology. UNITEXT for Physics, 2018, , .	0.1	30
5	Searching for low-mass dark matter particles with a massive Ge bolometer operated above ground. Physical Review D, 2019, 99, .	1.6	153
6	Vacuum stability conditions of the economical $\Lambda$ CDM model from copositivity. European Physical Journal C, 2019, 79, 1.	1.4	11
7	Brief Review on Scalar Field Dark Matter Models. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	57
8	Does chiral perturbation theory rule out QCD-based solutions to the strong CP problem?. Physical Review D, 2019, 99, .	1.6	0
9	Bayesian analysis of sneutrino dark matter in the NMSSM with a type-I seesaw mechanism. Physical Review D, 2019, 99, .	1.6	18
10	Two-step strongly first-order electroweak phase transition modified FIMP dark matter, gravitational wave signals, and the neutrino mass. Physical Review D, 2019, 99, .	1.6	27
11	First Results on Dark Matter Annual Modulation from the ANAIS-112 Experiment. Physical Review Letters, 2019, 123, 031301.	2.9	70
12	Direct detection of WIMP dark matter: concepts and status. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 103003.	1.4	274
13	Constraints on dark matter interactions from the first results of DarkSide-50. Nuclear Physics B, 2019, 945, 114678.	0.9	4
14	Impact of a XENONnT signal on LHC dijet searches. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
15	A two Higgs doublet model for dark matter and neutrino masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 319-326.	1.5	26
17	A Trinity of Duplexities. , 2019, , 1-5.		0
18	A Trinity of Duplexities. , 2019, , 6-9.		0
19	From Elements of Lie Symmetries to Lorentz Algebra. , 2019, , 10-19.		0

#	ARTICLE	IF	CITATIONS
20	Representations of Lorentz. , 2019, , 20-30.		0
21	Discrete Symmetries: Part 1 (Parity). , 2019, , 31-40.		0
22	Discrete Symmetries: Part 2 (Charge Conjugation). , 2019, , 41-45.		0
23	Eigenspinors of Charge Conjugation Operator, Elko. , 2019, , 46-48.		0
24	Construction of Elko. , 2019, , 49-52.		0
25	A Hint for Mass Dimension One Fermions. , 2019, , 53-55.		0
26	CPT for Elko. , 2019, , 56-57.		0
27	Elko in Shirokov-Trautman, Wigner and Lounesto Classifications. , 2019, , 58-58.		0
28	Rotation-Induced Effects on Elko. , 2019, , 59-63.		0
29	Elko-Dirac Interplay: A Temptation and a Departure. , 2019, , 64-70.		0
30	An Ab Initio Journey into Duals. , 2019, , 71-83.		0
31	Mass Dimension One Fermions. , 2019, , 84-93.		0
32	Mass Dimension One Fermions as a First Principle Dark Matter. , 2019, , 94-97.		0
33	Continuing the Story. , 2019, , 98-101.		0
36	The Design and Validation of a Zero Boil-Off LAr System for CDEX-10 Experiment. Journal of Low Temperature Physics, 2019, 197, 23-33.	0.6	0
37	XENON1T dark matter data analysis: Signal reconstruction, calibration, and event selection. Physical Review D, 2019, 100, .	1.6	51
38	Fundamental Physics Implications for Higher-Curvature Theories from Binary Black Hole Signals in the LIGO-Virgo Catalog GWTC-1. Physical Review Letters, 2019, 123, 191101.	2.9	101
39	Accretion-induced Collapse of Dark Matter Admixed White Dwarfs. II. Rotation and Gravitational-wave Signals. Astrophysical Journal, 2019, 883, 13.	1.6	7

#	ARTICLE	IF	CITATIONS
40	Not as big as a barn: Upper bounds on dark matter-nucleus cross sections. <i>Physical Review D</i> , 2019, 100, .	1.6	41
41	Designing Horndeski and the effective fluid approach. <i>Physical Review D</i> , 2019, 100, .	1.6	33
42	Supernova signals of light dark matter. <i>Physical Review D</i> , 2019, 100, .	1.6	32
43	Square-torsion gravity: a geometric candidate for dark matter. <i>Classical and Quantum Gravity</i> , 2019, 36, 225011.	1.5	1
44	Isocurvature bounds on axion-like particle dark matter in the post-inflationary scenario. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 021-021.	1.9	14
45	Non-relativistic effective interactions of spin 1 Dark Matter. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	19
46	Assessing the sensitivity of PINGU to effective dark matter-nucleon interactions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 023-023.	1.9	2
47	Probing Dark Matter Using Precision Measurements of Stellar Accelerations. <i>Physical Review Letters</i> , 2019, 123, 091101.	2.9	16
48	Dark sector unifications: Dark matter-phantom energy, dark matter - constant w dark energy, dark matter-dark energy-dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134806.	1.5	11
49	MadDM v.3.0: A comprehensive tool for dark matter studies. <i>Physics of the Dark Universe</i> , 2019, 24, 100249.	1.8	88
50	On the common nature of dark matter and dark energy: Galaxy groups. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	28
51	The distribution of dark matter in galaxies. <i>Astronomy and Astrophysics Review</i> , 2019, 27, 1.	9.1	155
52	Search for Axionlike Dark Matter with a Liquid-State Nuclear Spin Comagnetometer. <i>Physical Review Letters</i> , 2019, 122, 191302.	2.9	79
53	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	1.5	451
54	Pseudo-Nambu-Goldstone dark matter: Examples of vanishing direct detection cross section. <i>Physical Review D</i> , 2019, 99, .	1.6	22
55	Scalar field dark matter with a cosh potential, revisited. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 009-009.	1.9	11
56	A Comment on "Cosmology and Convention"™ by David Merritt. <i>Journal for General Philosophy of Science</i> , 2019, 50, 283-296.	0.7	2
57	Symmetron scalar fields: Modified gravity, dark matter, or both?. <i>Physical Review D</i> , 2019, 99, .	1.6	23

#	ARTICLE	IF	CITATIONS
58	Photon Bubbles in a Self-gravitating Dust Gas: Collective Dust Interactions. <i>Astrophysical Journal</i> , 2019, 872, 142.	1.6	4
59	Reverse direct detection: Cosmic ray scattering with light dark matter. <i>Physical Review D</i> , 2019, 99, .	1.6	81
60	The cosmological constant derived via galaxy groups and clusters. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	31
61	Performance of ANAIS-112 experiment after the first year of data taking. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	36
62	Quantum Monte Carlo calculations of dark matter scattering off light nuclei. <i>Physical Review C</i> , 2019, 99, .	1.1	17
63	Neutron star pulse profiles in scalar-tensor theories of gravity. <i>Physical Review D</i> , 2019, 99, .	1.6	19
64	Constraining D-foam via the 21-cm line. <i>Physical Review D</i> , 2019, 99, .	1.6	0
65	What laboratory experiments can teach us about cosmology: A chameleon example. <i>EPJ Web of Conferences</i> , 2019, 219, 05001.	0.1	1
66	Transparency and stability of low density stellar plasma related to Boltzmann statistics and to thermal bremsstrahlung. <i>Scientific Reports</i> , 2019, 9, 20384.	1.6	1
67	The role of Lattice QCD in searches for violations of fundamental symmetries and signals for new physics. <i>European Physical Journal A</i> , 2019, 55, 1.	1.0	33
68	Quantifying uncertainties in nuclear matrix elements for dark matter searches. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
69	Analytic expressions for the background evolution of massive neutrinos and dark matter particles. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 060-060.	1.9	3
70	Constraining nonthermal dark matter's impact on the matter power spectrum. <i>Physical Review D</i> , 2019, 100, .	1.6	19
71	Prospective constraints on the primordial black hole abundance from the stochastic gravitational-wave backgrounds produced by coalescing events and curvature perturbations. <i>Physical Review D</i> , 2019, 99, .	1.6	108
72	Mixed WIMP-axion dark matter. <i>Physical Review D</i> , 2019, 100, .	1.6	3
73	New limits on charged dark matter from large-scale coherent magnetic fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 003-003.	1.9	26
74	Search for $\gamma$ -ray emission from dark matter particle interactions from the Andromeda and Triangulum galaxies with the Fermi Large Area Telescope. <i>Physical Review D</i> , 2019, 99, .	1.6	23
75	Stueckelberg Bosons as ultralight dark matter candidate. <i>Modern Physics Letters A</i> , 2019, 34, 1950330.	0.5	4

#	ARTICLE	IF	CITATIONS
76	Possible maximum mass of dark matter existing in compact stars based on the self-interacting fermionic model. International Journal of Modern Physics D, 2019, 28, 1950148.	0.9	2
77	Conserved quantities in the presence of torsion: A generalization of Killing theorem. Modern Physics Letters A, 2020, 35, 2050052.	0.5	2
78	Axion excitation by intense laser fields in a plasma. Physica Scripta, 2020, 95, 045601.	1.2	1
79	Optimizing galaxy samples for clustering measurements in photometric surveys. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3535-3552.	1.6	6
80	Bose-Einstein condensate dark matter model with three-particle interaction and two-phase structure. Physical Review D, 2020, 102, .	1.6	9
81	Filtered Dark Matter at a First Order Phase Transition. Physical Review Letters, 2020, 125, 151102.	2.9	52
82	Dark photons from pions produced in ultraperipheral PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135635.	1.5	3
83	Proposal for gravitational direct detection of dark matter. Physical Review D, 2020, 102, .	1.6	31
84	Tests of Dark MACHOs: lensing, accretion, and glow. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 044-044.	1.9	16
85	Scalar induced resonant sterile neutrino production in the early Universe. Physical Review D, 2020, 101, .	1.6	4
86	Combined search for neutrinos from dark matter self-annihilation in the Galactic Center with ANTARES and IceCube. Physical Review D, 2020, 102, .	1.6	31
87	A Kaluza-Klein inspired Brans-Dicke gravity with dark matter and dark energy model. Physics of the Dark Universe, 2020, 30, 100731.	1.8	2
88	Rotating dirty black hole and its shadow. Chinese Journal of Physics, 2020, 68, 236-257.	2.0	33
89	The Effect of Neutron Decaying to Dark Matter on Properties of Neutron Stars with Hyperons. Journal of Physics: Conference Series, 2020, 1523, 012023.	0.3	0
90	A systematic study of hidden sector dark matter: application to the gamma-ray and antiproton excesses. Journal of High Energy Physics, 2020, 2020, 1.	1.6	21
91	Funnel annihilations of light dark matter and the invisible decay of the Higgs boson. Physical Review D, 2020, 101, .	1.6	15
92	Demystifying freeze-in dark matter at the LHC. Physical Review D, 2020, 101, .	1.6	7
93	Implications of BBN bounds for cosmic ray upscattered dark matter. Physical Review D, 2020, 101, .	1.6	37

#	ARTICLE	IF	CITATIONS
94	Status, Challenges and Directions in Indirect Dark Matter Searches. <i>Symmetry</i> , 2020, 12, 1648.	1.1	37
95	Phase transition of LRS Bianchi type-I cosmological model in $f(R,T)$ gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2020, 17, 2050187.	0.8	16
96	Dark Matter searches: an overview. <i>Journal of Instrumentation</i> , 2020, 15, C06054-C06054.	0.5	5
97	Pulsar timing array constraints on spin-2 ULDM. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 031-031.	1.9	14
98	Deflection of light by a rotating black hole surrounded by "quintessence". <i>International Journal of Modern Physics A</i> , 2020, 35, 2050155.	0.5	7
99	Dark Matters on the Scale of Galaxies. <i>Universe</i> , 2020, 6, 107.	0.9	62
100	Dark matter = modified gravity? Scrutinising the spacetime-matter distinction through the modified gravity/ dark matter lens. <i>Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics</i> , 2020, 72, 237-250.	1.4	14
101	Gravitational waves from neutrino mass and dark matter genesis. <i>Physical Review D</i> , 2020, 102, .	1.6	9
102	Heavy light inflaton and dark matter production. <i>Physical Review D</i> , 2020, 102, .	1.6	2
103	Development of ultra-pure NaI(Tl) detectors for the COSINE-200 experiment. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	20
104	Non-Relativistic Limit of Embedding Gravity as General Relativity with Dark Matter. <i>Universe</i> , 2020, 6, 163.	0.9	17
105	Searching for low mass dark matter via phonon creation in superfluid. $\text{He}^{1.6}$ Physical Review D, 2020, 102, .	1.6	13
106	On the Kuzmin model in fractional Newtonian gravity. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	23
107	Minimal model of torsion mediated dark matter. <i>Physical Review D</i> , 2020, 101, .	1.6	5
108	Nonminimal dark sectors: Mediator-induced decay chains and multijet collider signatures. <i>Physical Review D</i> , 2020, 101, .	1.6	11
109	Uncertainty quantification of an empirical shell-model interaction using principal component analysis. <i>Physical Review C</i> , 2020, 101, .	1.1	13
110	Small-scale structure of fuzzy and axion-like dark matter. <i>Progress in Particle and Nuclear Physics</i> , 2020, 113, 103787.	5.6	101
111	New Bounds from Positronium Decays on Massless Mirror Dark Photons. <i>Physical Review Letters</i> , 2020, 124, 101803.	2.9	14

#	ARTICLE	IF	CITATIONS
112	A fast method for particle tracking and triggering using small-radius silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163427.	0.7	1
113	Accretion disc luminosity for black holes surrounded by dark matter. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1115-1123.	1.6	21
114	Projected sensitivity to sub-GeV dark matter of next-generation semiconductor detectors. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 036-036.	1.9	19
115	The curvature effect on the gravitational collapse of interacting and non-interacting combination of dark matter and dark energy. International Journal of Modern Physics A, 2020, 35, 2050078.	0.5	0
116	A network of superconducting gravimeters as a detector of matter with feeble nongravitational coupling. European Physical Journal D, 2020, 74, 1.	0.6	5
117	Dark matter spin-spin interaction through the pseudo-scalar vacuum field. Modern Physics Letters A, 2020, 35, 2050117.	0.5	0
118	Probing Muonphilic Force Carriers and Dark Matter at Kaon Factories. Physical Review Letters, 2020, 124, 041802.	2.9	57
119	MOND vs. dark matter in light of historical parallels. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2020, 71, 170-195.	1.4	35
120	Trans-Planckian censorship, inflation, and dark matter. Physical Review D, 2020, 101, .	1.6	35
121	Robust model comparison tests of DAMA/LIBRA annual modulation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 007-007.	1.9	15
122	Two Flavors of Hydrogen Atoms: A Possible Explanation of Dark Matter. Atoms, 2020, 8, 33.	0.7	14
123	Can dark matter be geometry? A case study with mimetic dark matter. Physics of the Dark Universe, 2020, 30, 100646.	1.8	4
124	Relaxion stars and their detection via atomic physics. Communications Physics, 2020, 3, .	2.0	114
125	Obtaining a scalar fifth force via a symmetry-breaking coupling between the scalar field and matter. Physical Review D, 2020, 101, .	1.6	2
126	Improved limits on a hypothetical $X$ $T_j$ ETQq0 0 0 rgBT /Overlock 10 Tf 50 182 Td (stretchy="false")</mml:mo>	1.6	64
127	Electron ionization via dark matter-electron scattering and the Migdal effect. Physical Review D, 2020, 101, .	1.6	69
128	Possible Explanation of the Dynamics of the Universe Expansion without Dark Energy and without New Gravitational Degrees of Freedom. Open Journal of Microphysics, 2021, 11, 1-7.	0.3	2
129	Sensitivity of the Cherenkov Telescope Array to a dark matter signal from the Galactic centre. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 057-057.	1.9	46



#	ARTICLE	IF	CITATIONS
130	Search for dark matter produced in association with a leptonically decaying $Z$ boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 13.	1.4	33
131	Dark Matter Constraints and the Neutralino Sector of the scNMSSM. Universe, 2021, 7, 31.	0.9	4
132	Revisiting Freeze-in Dark Matter from Renormalizable Operators. , 0, , .		0
133	Mechanical quantum sensing in the search for dark matter. Quantum Science and Technology, 2021, 6, 024002.	2.6	67
134	Dark Matter as Past Matter, a Conjecture. Journal of High Energy Physics Gravitation and Cosmology, 2021, 07, 452-473.	0.3	0
135	Gravitation in Unified Scalar Field Theory. Universe, 2021, 7, 11.	0.9	6
136	Gauged baryon number and dibaryonic dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136066.	1.5	4
137	Newtonian fractional-dimension gravity and rotationally supported galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1915-1931.	1.6	13
138	Primordial black holes as a dark matter candidate. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 043001.	1.4	303
139	Collapse of an axion scalar field. European Physical Journal C, 2021, 81, 1.	1.4	1
140	Weyl-invariant gravity and the nature of dark matter. Classical and Quantum Gravity, 2021, 38, 085001.	1.5	1
141	Dark matter from $S^6/U(1)$ $\hat{t}$ $S^5/U(1)$ $T^2$ $ETQq1$ 1 0.784314 rgBT /Overlock 10 Tf 50 287 Td (stretchy="false")		

#	ARTICLE	IF	CITATIONS
148	Shining primordial black holes. <i>Physical Review D</i> , 2021, 103, .	1.6	14
149	Constraints on a mixed model of dark matter particles and primordial black holes from the galactic 511 keV line. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 057.	1.9	31
150	Constraining rapidly oscillating scalar dark matter using dynamic decoupling. <i>Physical Review D</i> , 2021, 103, .	1.6	21
151	One-loop electron mass and three-loop Dirac neutrino masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 815, 136130.	1.5	0
152	Nuclear clocks for testing fundamental physics. <i>Quantum Science and Technology</i> , 2021, 6, 034002.	2.6	58
153	Characterization of SABRE crystal NaI-33 with direct underground counting. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	14
154	Baryogenesis through asymmetric Hawking radiation from primordial black holes as dark matter. <i>Physical Review D</i> , 2021, 103, .	1.6	6
155	Einstein-Cartan Portal to Dark Matter. <i>Physical Review Letters</i> , 2021, 126, 161301.	2.9	29
156	Dileptonic scalar dark matter and exotic leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 815, 136157.	1.5	1
157	Electromagnetism from 5D gravity: beyond the Maxwell equations. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	0
158	Higgsino asymmetry and direct-detection constraints of light dark matter in the NMSSM with non-universal Higgs masses *. <i>Chinese Physics C</i> , 2021, 45, 041003.	1.5	2
159	Novel null tests for the spatial curvature and homogeneity of the Universe and their machine learning reconstructions. <i>Physical Review D</i> , 2021, 103, .	1.6	26
160	Two-body bound states through Yukawa forces and perspectives on hydrogen and deuterium. <i>American Journal of Physics</i> , 2021, 89, 511-520.	0.3	0
161	Dark photon production via $\gamma\gamma \rightarrow \gamma A'$ . <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	3
162	How Do Scientists Know Dark Matter Exists?. <i>Frontiers for Young Minds</i> , 0, 9, .	0.8	0
163	A Brief Review on Primordial Black Holes as Dark Matter. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	80
164	Improved constraints on dark matter effective interactions from CDEX. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	0
165	Purely kinetic $k$ -essence description of $\bar{\rho} = \rho - \frac{1}{2} \dot{\phi}^2$ barotropic fluid models. <i>Physics of the Dark Universe</i> , 2021, 32, 100827.	1.8	5

#	ARTICLE	IF	CITATIONS
166	Taxonomy of Dark Energy Models. <i>Universe</i> , 2021, 7, 163.	0.9	31
167	Annual modulation results from three-year exposure of ANAIS-112. <i>Physical Review D</i> , 2021, 103, .	1.6	58
168	Nonperturbative aspects of spontaneous symmetry breaking. <i>International Journal of Modern Physics A</i> , 2021, 36, 2150074.	0.5	0
169	Interatomic interaction within a $4\text{He}^{\text{+}}4\text{He}$ dimer with mobile nuclei. <i>Low Temperature Physics</i> , 2021, 47, 507-527.	0.2	2
170	Future colliders for the high-energy frontier. <i>Reviews in Physics</i> , 2021, 6, 100053.	4.4	4
171	Scalar-multitensor approach to teleparallel modified theories of gravity. <i>Physical Review D</i> , 2021, 103, .	1.6	5
172	Bimetric universe with matter. <i>Physical Review D</i> , 2021, 103, .	1.6	5
173	Crater morphology of primordial black hole impacts. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 505, L115-L119.	1.2	6
174	Measurement of the bulk radioactive contamination of detector-grade silicon with DAMIC at SNOLAB. <i>Journal of Instrumentation</i> , 2021, 16, P06019.	0.5	8
175	New Projections for Dark Matter Searches with Paleo-Detectors. <i>Instruments</i> , 2021, 5, 21.	0.8	7
176	High sensitivity characterization of an ultrahigh purity NaI(Tl) crystal scintillator with the SABRE proof-of-principle detector. <i>Physical Review D</i> , 2021, 104, .	1.6	12
177	Next Generation Design and Prospects for Cannex. <i>Universe</i> , 2021, 7, 234.	0.9	11
178	The effect of spacetime curvature on statistical distributions. <i>Classical and Quantum Gravity</i> , 2021, 38, 165003.	1.5	2
179	Limits on sub-GeV dark matter from the PROSPECT reactor antineutrino experiment. <i>Physical Review D</i> , 2021, 104, .	1.6	29
180	Improved gravitational-wave constraints on higher-order curvature theories of gravity. <i>Physical Review D</i> , 2021, 104, .	1.6	56
181	Sensitivity of the Cherenkov Telescope Array to a dark matter signal from the Galactic centre. , 2021, , .		0
182	Helium as a major portion of the dark matter and the cell structure of the universe. <i>Journal of Physics: Conference Series</i> , 2021, 1956, 012006.	0.3	0
183	Crystal responses to general dark matter-electron interactions. <i>Physical Review Research</i> , 2021, 3, .	1.3	18

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184	Collider signals of baryogenesis and dark matter from $B$ mesons: A roadmap to discovery. <i>Physical Review D</i> , 2021, 104, .	1.6	20
185	On asymmetric dark matter constraints from the asteroseismology of a subgiant star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3434-3443.	1.6	5
186	Advanced Virgo: Status of the Detector, Latest Results and Future Prospects. <i>Universe</i> , 2021, 7, 322.	0.9	15
187	Testing the dark SU(N) Yang-Mills theory confined landscape: From the lattice to gravitational waves. <i>Physical Review D</i> , 2021, 104, .	1.6	41
188	The background study at 555 m deep underground with superheated emulsion detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1008, 165450.	0.7	1
189	Gauged lepton number, Dirac neutrinos, dark matter, and muon $g-2$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 819, 136402.	1.5	5
190	Production of GeV-scale heavy neutral leptons in three-body decays. Comparison with the PYTHIA approach. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 105001.	1.4	2
191	MOND-like behavior in the Dirac-Milne universe. <i>Astronomy and Astrophysics</i> , 2021, 652, A91.	2.1	5
192	Search for an exotic parity-odd spin- and velocity-dependent interaction using a magnetic force microscope. <i>Physical Review D</i> , 2021, 104, .	1.6	9
193	Non-Abelian gauge lepton symmetry as the gateway to dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 819, 136456.	1.5	2
194	The Xenon Road to Direct Detection of Dark Matter at LNGS: The XENON Project. <i>Universe</i> , 2021, 7, 313.	0.9	3
195	Entanglement production in Einstein-Cartan theory. <i>Physical Review D</i> , 2021, 104, .	1.6	1
196	Lipkin model on a quantum computer. <i>Physical Review C</i> , 2021, 104, .	1.1	28
197	Cosmological realism. <i>Studies in History and Philosophy of Science Part A</i> , 2021, 88, 193-208.	0.6	3
198	New [SU(3)] <sub>4</sub> realization of lepton/dark symmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 820, 136561.	1.5	1
199	Searching for dark matter particles using Compton scattering *. <i>Chinese Physics C</i> , 2021, 45, 093001.	1.5	1
200	Dark matter annihilation to neutrinos. <i>Reviews of Modern Physics</i> , 2021, 93, .	16.4	52
201	Complementary probe of dark matter blind spots by lepton colliders and gravitational waves. <i>Physical Review D</i> , 2021, 104, .	1.6	5

#	ARTICLE	IF	CITATIONS
202	Inverse seesaw model with a modular $S_4$ symmetry: lepton flavor mixing and warm dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 043.	1.9	5
203	Dark matter local density determination: recent observations and future prospects. <i>Reports on Progress in Physics</i> , 2021, 84, 104901.	8.1	66
204	Radio signatures from encounters between neutron stars and QCD-axion minihalos around primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 004.	1.9	16
205	Ultra-light dark matter. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1.	9.1	150
206	Space Media. <i>Canadian Journal of Communication</i> , 2021, 46, .	0.1	0
207	On the origin of matter in the Universe. <i>Progress in Particle and Nuclear Physics</i> , 2022, 122, 103913.	5.6	15
208	S-star dynamics through a Yukawa-like gravitational potential. <i>Physics of the Dark Universe</i> , 2021, 33, 100871.	1.8	10
209	Dark Matter Axions, Non-Newtonian Gravity and Constraints on Them from Recent Measurements of the Casimir Force in the Micrometer Separation Range. <i>Universe</i> , 2021, 7, 343.	0.9	9
210	Searching for metastable particles using graph computing. <i>Scientific Reports</i> , 2021, 11, 18543.	1.6	0
211	Bayesian analysis of time dependence of DAMA annual modulation amplitude. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 022.	1.9	3
212	Indirect dark matter searches at ultrahigh energy neutrino detectors. <i>Physical Review D</i> , 2021, 104, .	1.6	18
213	Tracking origins of gamma rays in the Milky Way galaxy by a Fermi-LAT all sky map. <i>Journal of Physics: Conference Series</i> , 2021, 1719, 012013.	0.3	0
216	Constraints on dark matter annihilation from several IACTs' cosmic ray electron spectrums. <i>Journal of Physics: Conference Series</i> , 2021, 1719, 012012.	0.3	1
217	An interpretation of a simple portal dark matter model on Fermi-LAT gamma-ray excess. <i>Journal of Physics: Conference Series</i> , 2021, 1719, 012041.	0.3	0
219	Electroweak corrections to dark matter direct detection in a vector dark matter model. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	10
221	Boosting ultraviolet freeze-in in NO models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 047-047.	1.9	28
222	Post-inflationary axion isocurvature perturbations facing CMB and large-scale structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 046-046.	1.9	9
223	Search for invisible decays of the Higgs boson produced at the CEPC *. <i>Chinese Physics C</i> , 2020, 44, 123001.	1.5	11

#	ARTICLE	IF	CITATIONS
224	New results by low momentum approximation from relativistic quantum mechanics equations and suggestion of experiments. <i>Journal of Physics Communications</i> , 2020, 4, 125004.	0.5	8
225	Inflation and DM phenomenology in a scotogenic model extended with a real singlet scalar. <i>Physical Review D</i> , 2020, 102, .	1.6	6
226	Equilibrium axisymmetric halo model for the MilkyWay and its implications for direct and indirect dark matter searches. <i>Physical Review D</i> , 2020, 102, .	1.6	6
227	Atomic responses to general dark matter-electron interactions. <i>Physical Review Research</i> , 2020, 2, .	1.3	73
228	Hunting down the X17 boson at the CERN SPS. <i>European Physical Journal C</i> , 2020, 80, 1159.	1.4	12
229	Status of low mass LSP in SUSY. <i>European Physical Journal: Special Topics</i> , 2020, 229, 3159-3185.	1.2	17
230	A black hole inside dark matter and the rotation curves of galaxies. <i>International Journal of Modern Physics D</i> , 2020, 29, 2050107.	0.9	2
232	Polynomial inflation and dark matter. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	11
233	Cold Particle Dark Matter. <i>Symmetry</i> , 2021, 13, 1945.	1.1	0
234	The quantum cosmological tilt and the origin of dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 055.	1.9	1
235	Filtered asymmetric dark matter during the Peccei-Quinn phase transition. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	15
236	Search for Line-like and Box-shaped Spectral Features from Nearby Galaxy Clusters with 11.4 Years of Fermi Large Area Telescope Data. <i>Astrophysical Journal</i> , 2021, 920, 1.	1.6	4
237	Measuring the local dark matter density in the laboratory. <i>Physical Review D</i> , 2021, 104, .	1.6	2
238	New minimal, median, and maximal propagation models for dark matter searches with Galactic cosmic rays. <i>Physical Review D</i> , 2021, 104, .	1.6	19
239	Axion-neutrino interplay in a gauged two-Higgs-doublet model. <i>Physical Review D</i> , 2021, 104, .	1.6	2
240	Scientific realism and empirical confirmation: A puzzle. <i>Studies in History and Philosophy of Science Part A</i> , 2021, 90, 153-159.	0.6	3
241	Brief review of recent advances in understanding dark matter and dark energy. <i>New Astronomy Reviews</i> , 2021, 93, 101632.	5.2	28
242	On the Characteristic Acceleration of MOND. <i>Open Access Library Journal (oalib)</i> , 2017, 04, 1-9.	0.1	2

#	ARTICLE	IF	CITATIONS
243	On the Extension of the Baryonic Tully-Fisher Relation to Galaxy Clusters and Super Massive-Cosmic Systems. Open Access Library Journal (oalib), 2017, 04, 1-10.	0.1	0
245	Problems with the dark matter and dark energy hypotheses, and alternative ideas. , 2019, , .		0
246	Charming Dark Matter. Springer Theses, 2019, , 73-108.	0.0	0
247	Axions: search for dark matter using ultra-intense lasers. , 2019, , .		0
248	Search for a gamma-ray line feature with DAMPE. , 2019, , .		1
249	Dark matter in inert doublet model with one scalar singlet and $U(1)_X$ gauge symmetry. European Physical Journal C, 2020, 80, 1.	1.4	0
250	Fermion singlet dark matter in a pseudoscalar dark matter portal. Journal of High Energy Physics, 2021, 2021, 1.	1.6	11
251	Integrating dark matter, modified gravity, and the humanities. Studies in History and Philosophy of Science Part A, 2022, 91, A1-A5.	0.6	6
252	Square-torsion gravity, dark matter halos and the baryonic Tully-Fisher relation. European Physical Journal C, 2020, 80, 1.	1.4	1
253	First results and future prospects with PHELEX. Journal of Physics: Conference Series, 2020, 1690, 012002.	0.3	1
254	3-3-1 Self interacting dark matter and the galaxy core-cusp problem. Modern Physics Letters A, 2021, 36, 2130001.	0.5	4
255	Review on Indirect Dark Matter Searches with Neutrino Telescopes. Universe, 2021, 7, 415.	0.9	9
256	Distinguishing regular and singular black holes in modified gravity. Arabian Journal of Mathematics, 0, , 1.	0.4	1
257	Cherenkov Telescope Array sensitivity to branon dark matter models. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 041-041.	1.9	7
258	Dwarf galaxies without dark matter: constraints on modified gravity. Monthly Notices of the Royal Astronomical Society, 2020, 501, 254-260.	1.6	4
259	On the role of cosmic mass in understanding the relationships among galactic dark matter, visible matter and flat rotation speeds. NRIAG Journal of Astronomy and Geophysics, 0, , 1-16.	0.5	1
260	$f < R < T_j \text{ ETQq0 0 0 rgBT /Overlock 10 Tf 50 97 Td (stretchy="false") } >$		1
261	S2 star around the Galactic Center massive black hole. Physical Review D, 2021, 104, .		47
261	Search for axion-like dark matter with spin-based amplifiers. Nature Physics, 2021, 17, 1402-1407.	6.5	47

#	ARTICLE	IF	CITATIONS
262	Dark matter from a complex scalar singlet: the role of dark CP and other discrete symmetries. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
263	Cosmological boost factor for dark matter annihilation at redshifts of $z=10^{\sim}100$ using the power spectrum approach. Physical Review D, 2021, 104, .	1.6	2
264	Improved exclusion limit for light dark matter from $e^+e^-$ annihilation in NA64. Physical Review D, 2021, 104, .	1.6	25
265	The particles concepts and physical detection schemes of dark matter. Journal of Physics: Conference Series, 2021, 2083, 022049.	0.3	0
266	Shadow and deflection angle of charged rotating black hole surrounded by perfect fluid dark matter. Classical and Quantum Gravity, 2022, 39, 025014.	1.5	42
267	Constrains on an uniform model for Dark Matter and Dark Energy. Journal of Physics: Conference Series, 2021, 2081, 012022.	0.3	2
268	Circular polarisation of gamma rays as a probe of dark matter interactions with cosmic ray electrons. Physics of the Dark Universe, 2021, 34, 100909.	1.8	1
269	An INTEGRAL/SPI view of reticulum II: particle dark matter and primordial black holes limits in the MeV range. Monthly Notices of the Royal Astronomical Society, 2022, 511, 914-924.	1.6	16
270	Quantum physics in space. Physics Reports, 2022, 951, 1-70.	10.3	38
271	Dark Matter Searches Using NaI(Tl) at the Canfranc Underground Laboratory: Past, Present and Future. Universe, 2022, 8, 75.	0.9	1
272	Dark matter in astrophysics/cosmology. SciPost Physics Lecture Notes, 0, , .	0.0	8
273	Cosmological evolutionary model for time-varying deceleration parameter in $f(R, \hat{\Lambda})$ gravity. Indian Journal of Physics, 2022, 96, 2205-2210.	0.9	1
274	Graviton Mass in the Era of Multi-Messenger Astronomy. Universe, 2022, 8, 83.	0.9	1
275	PBH Formation from Spherically Symmetric Hydrodynamical Perturbations: A Review. Universe, 2022, 8, 66.	0.9	28
276	White Dwarfs as Physics Laboratories: Lights and Shadows. Frontiers in Astronomy and Space Sciences, 2022, 9, .	1.1	11
277	Dark Energy Survey Year 3 results: Cosmology from cosmic shear and robustness to data calibration. Physical Review D, 2022, 105, .	1.6	151
278	$X_{17}$ boson and the $H$		



#	ARTICLE	IF	CITATIONS
280	Description of the properties of dark matter by deformed statistics. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 013104.	0.9	5
281	Review on Higgs hidden-dark sector physics. Physica Scripta, 2022, 97, 024001.	1.2	4
282	A new constant behind the rotational velocity of galaxies. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 015.	1.9	3
283	Quantized vortices in superfluid dark matter. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 044.	1.9	0
284	Graviton mass from X-COP galaxy clusters. Journal of High Energy Astrophysics, 2022, 33, 37-43.	2.4	1
285	Strong-lensing source reconstruction with variationally optimized Gaussian processes. Monthly Notices of the Royal Astronomical Society, 2022, 512, 661-685.	1.6	8
286	Quantum signatures of gravity from superpositions of primordial massive particles. Physical Review D, 2022, 105, .	1.6	1
287	Combined searches for dark matter in dwarf spheroidal galaxies observed with the MAGIC telescopes, including new data from Coma Berenices and Draco. Physics of the Dark Universe, 2022, 35, 100912.	1.8	21
288	Scalarons mimicking dark matter in the Hu&Sawicki model of $f(R)$ gravity. Modern Physics Letters A, 2021, 36, .	0.5	10
290	Dark Matter in Spiral Galaxies as the Gravitational Redshift of Gravitons. , 0, , .		1
291	Ultralight scalar dark matter detection with ZAIGA. International Journal of Modern Physics D, 0, , .	0.9	1
292	Anisotropic spheres via embedding approach in $f(R)$ gravity. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	0.8	20
293	$\chi^2$ Structure Factors for Spin-Dependent Dark Matter Direct Detection. Physical Review Letters, 2022, 128, 072502.	2.9	9
294	Resurrecting the fraternal twin WIMP miracle. Physical Review D, 2022, 105, .	1.6	7
295	Prospects for dark matter signal discovery and model selection via timing information in a low-threshold experiment. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 022.	1.9	0
296	Continuum dark matter. Physical Review D, 2022, 105, .	1.6	10
297	Electroweak phase transition and gravitational waves in a two-component dark matter model. Journal of High Energy Physics, 2022, 2022, 1.	1.6	7
298	Constraints on dark photon dark matter using data from LIGO&Virgo's third observing run. Physical Review D, 2022, 105, .	1.6	27

#	ARTICLE	IF	CITATIONS
299	Solar reflection of light dark matter with heavy mediators. <i>Physical Review D</i> , 2022, 105, .	1.6	14
300	Simulations of axionlike particles in the postinflationary scenario. <i>Physical Review D</i> , 2022, 105, .	1.6	19
301	Two Sides of the Same Coin: Sterile Neutrinos and Dark Radiation, Status and Perspectives. <i>Universe</i> , 2022, 8, 175.	0.9	10
302	Polarized solitons in higher-spin wave dark matter. <i>Physical Review D</i> , 2022, 105, .	1.6	26
303	Characterization of the background spectrum in DAMIC at SNOLAB. <i>Physical Review D</i> , 2022, 105, .	1.6	14
304	Thermodynamic and optical behaviors of quintessential Hayward-AdS black holes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, .	0.8	7
305	Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ . <i>European Physical Journal C</i> , 2022, 82, 213.	1.4	3
306	Particle detection and tracking with DNA. <i>European Physical Journal C</i> , 2022, 82, 1.	1.4	2
307	Binary superradiance: A numerical study. <i>Physical Review D</i> , 2022, 105, .	1.6	1
308	Predestined dark matter varieties in the simplest left-right model. <i>Nuclear Physics B</i> , 2022, 978, 115778.	0.9	1
309	Search for gamma-ray spectral lines with the DArk Matter Particle Explorer. <i>Science Bulletin</i> , 2022, 67, 679-684.	4.3	14
310	Heavy long-lived coannihilation partner from inelastic Dark Matter model and its signatures at the LHC. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	4
311	New Roads to the Small-scale Universe: Measurements of the Clustering of Matter with the High-redshift UV Galaxy Luminosity Function. <i>Astrophysical Journal Letters</i> , 2022, 928, L20.	3.0	19
312	Systematic approach to $B$ -physics anomalies and $t$ -channel dark matter. <i>Physical Review D</i> , 2021, 104, .	1.6	7
313	Annual modulation results from three-year exposure of ANAIS-112. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012024.	0.3	0
314	The Cusp-Core Problem in Gas-Poor Dwarf Spheroidal Galaxies. <i>Galaxies</i> , 2022, 10, 5.	1.1	9
315	Constraining the annihilation of dark matter via cosmic-ray positrons and electrons. <i>Journal of Physics: Conference Series</i> , 2021, 2145, 012007.	0.3	0
316	Can primordial black holes as all dark matter explain fast radio bursts?. <i>Physical Review D</i> , 2021, 104, .	1.6	8

#	ARTICLE	IF	CITATIONS
318	Constraints on Compact Dark Matter from Gravitational Wave Microlensing. <i>Astrophysical Journal Letters</i> , 2022, 926, L28.	3.0	18
319	The SABRE experiment. <i>International Journal of Modern Physics A</i> , 2022, 37, .	0.5	1
320	Amplified J-factors in the Galactic Centre for velocity-dependent dark matter annihilation in FIRE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 55-70.	1.6	12
322	Direct detection of dark matter—APPEC committee report*. <i>Reports on Progress in Physics</i> , 2022, 85, 056201.	8.1	92
323	Search for Cosmic-Ray Boosted Sub-GeV Dark Matter at the PandaX-II Experiment. <i>Physical Review Letters</i> , 2022, 128, 171801.	2.9	33
324	Influence of dark matter on gravitational stability of isothermal gas clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1351-1358.	1.6	4
325	Superfluid effective field theory for dark matter direct detection. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	3
326	Superconducting detectors for rare event searches in experimental astroparticle physics. <i>Superconductor Science and Technology</i> , 2022, 35, 063001.	1.8	13
327	High- $Q$ Microwave Dielectric Resonator for Axion Dark-Matter Haloscopes. <i>Physical Review Applied</i> , 2022, 17, .	1.5	10
328	Quantum magnonics: When magnon spintronics meets quantum information science. <i>Physics Reports</i> , 2022, 965, 1-74.	10.3	195
329	Anisotropic scalar field dark energy with a disformally coupled Yang–Mills field. <i>International Journal of Modern Physics D</i> , 2022, 31, .	0.9	4
330	Quantum cosmological backreactions. III. Deparametrized quantum cosmological perturbation theory. <i>Physical Review D</i> , 2022, 105, .	1.6	3
331	Quantum cosmological backreactions. IV. Constrained quantum cosmological perturbation theory. <i>Physical Review D</i> , 2022, 105, .	1.6	3
332	Quantum cosmological backreactions. I. Cosmological space adiabatic perturbation theory. <i>Physical Review D</i> , 2022, 105, .	1.6	4
333	Quantum cosmological backreactions. II. Purely homogeneous quantum cosmology. <i>Physical Review D</i> , 2022, 105, .	1.6	3
334	Sensitivities on nonspinning and spinning primordial black hole dark matter with global 21-cm troughs. <i>Physical Review D</i> , 2022, 105, .	1.6	31
335	Status and Perspectives of Continuous Gravitational Wave Searches. <i>Galaxies</i> , 2022, 10, 72.	1.1	20
336	CTA sensitivity on TeV scale dark matter models with complementary limits from direct detection. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 038.	1.9	2

#	ARTICLE	IF	CITATIONS
337	Quantum flavor vacuum in the expanding universe: A possible candidate for cosmological dark matter?. Physical Review D, 2022, 105, .	1.6	8
338	Baryon cycles in the biggest galaxies. Physics Reports, 2022, 973, 1-109.	10.3	44
339	Dark matter is the effect of antimatter in space 2 on space 1. SSRN Electronic Journal, 0, , .	0.4	0
340	Quasinormal modes of slowly-rotating black holes in dynamical Chern-Simons gravity. Physical Review D, 2022, 105, .	1.6	33
341	Strange physics of dark baryons. Physical Review D, 2022, 105, .	1.6	15
342	A search for annihilating dark matter in 47 Tucanae and Omega Centauri. Publications of the Astronomical Society of Australia, 2022, 39, .	1.3	1
343	A two-component dark matter model and its associated gravitational waves. Journal of High Energy Physics, 2022, 2022, .	1.6	12
344	Production of Chern-Simons bosons in decays of mesons. Journal of Physics C: Nuclear and Particle Physics, 0, , .	1.4	0
345	Testing Quantum Gravity in the Multi-Messenger Astronomy Era. Universe, 2022, 8, 321.	0.9	1
346	The impact of gas disc flaring on rotation curve decomposition and revisiting baryonic and dark matter relations for nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3329-3348.	1.6	17
347	Are parametrized tests of general relativity with gravitational waves robust to unknown higher post-Newtonian order effects?. Physical Review D, 2022, 105, .	1.6	16
348	Emission of Gravitational Radiation in Scalar-Tensor and $f(R)$ -Theories. , 2022, , 1553-1590.		0
349	Spectroscopy of Alkali Atoms in Solid Matrices of Rare Gases: Experimental Results and Theoretical Analysis. Applied Sciences (Switzerland), 2022, 12, 6492.	1.3	5
350	Tidal disruption of solitons in self-interacting ultralight axion dark matter. Physical Review D, 2022, 105, .	1.6	9
351	New horizons for fundamental physics with LISA. Living Reviews in Relativity, 2022, 25, .	8.2	82
352	The Road to Precision Cosmology. Annual Review of Nuclear and Particle Science, 2022, 72, 1-35.	3.5	19
353	Analysis of Direct and Indirect Detection of Fermionic Dark Matter of 6-Dimensional Effective Field Theory. International Journal of Geometric Methods in Modern Physics, 0, , .	0.8	0
354	Search for invisible dark photon in $\gamma e \gamma$ scattering at future lepton colliders. European Physical Journal C, 2022, 82, .	1.4	1

#	ARTICLE	IF	CITATIONS
355	The Recent Progress of Dark Matter Detection and State-of-art Detectors. , 0, 5, 229-235.		0
356	Ultraviolet freeze-in with a time-dependent inflaton decay. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	1.9	20
357	Primordial black holes could hold the key to dark matter mysteries. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	2
358	Dark Photon Searches via Higgs Boson Production at the LHC and Beyond. Symmetry, 2022, 14, 1522.	1.1	3
359	Small-scale structure in vector dark matter. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 014.	1.9	29
360	MOND and meta-empirical theory assessment. SynthÃse, 2022, 200, .	0.6	4
361	Detectability of gravitational waves from primordial black holes orbiting Sgr $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msup} \langle \text{mml:mi} \rangle \text{A} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle * \langle \text{mml:mo} \rangle \langle \text{mml:msup} \langle \text{mml:math} \rangle .$	1.6	2
362	An effective fluid description of scalar-vector-tensor theories under the sub-horizon and quasi-static approximations. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 059.	1.9	6
363	The proper motion of stars in dwarf galaxies: distinguishing central density cusps from cores. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3556-3568.	1.6	3
364	Minimal Realization of Light Thermal Dark Matter. Physical Review Letters, 2022, 129, .	2.9	6
365	Flavour and dark matter in a scoto/type-II seesaw model. Journal of High Energy Physics, 2022, 2022, .	1.6	5
366	Scavenger hunt: Searching for the optimal target material for low-level 210Pb accelerator mass spectrometry. Nuclear Instruments & Methods in Physics Research B, 2022, 529, 18-23.	0.6	2
367	Primordial black holes and gravitational waves in hybrid inflation with chaotic potentials. Nuclear Physics B, 2022, 984, 115968.	0.9	22
368	Introduction to Dark Matter. , 2023, , 1-30.		0
369	Dark Matter Annual Modulation with ANAIS-112: Three Years Results. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2022, 77, 322-326.	0.1	0
370	Cosmology from Strong Interactions. Universe, 2022, 8, 451.	0.9	3
371	Novel Quantum Sensors for Light Dark Matter and Neutrino Detection. Annual Review of Nuclear and Particle Science, 2022, 72, 419-446.	3.5	1
372	Astroparticle Constraints from Cosmic Reionization and Primordial Galaxy Formation. Universe, 2022, 8, 476.	0.9	5

#	ARTICLE	IF	CITATIONS
373	Production of primordial black holes via single field inflation and observational constraints. <i>European Physical Journal C</i> , 2022, 82, .	1.4	7
374	Axion and FIMP dark matter in a $U(1)$ extension of the Standard Model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 064.	1.9	0
375	PROBES. I. A Compendium of Deep Rotation Curves and Matched Multiband Photometry. <i>Astrophysical Journal, Supplement Series</i> , 2022, 262, 33.	3.0	2
376	Constraints on the mass and self-coupling of ultra-light scalar field dark matter using observational limits on galactic central mass. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 074.	1.9	8
377	Cross section calculations in theories of self-interacting dark matter. <i>Physical Review D</i> , 2022, 106, .	1.6	10
378	Shedding light on low-mass subhalo survival and annihilation luminosity with numerical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 93-110.	1.6	5
379	Current and Future $\gamma$ -Ray Searches for Dark Matter Annihilation Beyond the Unitarity Limit. <i>Astrophysical Journal Letters</i> , 2022, 938, L4.	3.0	7
380	Statistics for dark matter subhalo searches in gamma rays from a kinematically constrained population model: Fermi-LAT-like telescopes. <i>Physical Review D</i> , 2022, 106, .	1.6	1
381	Direct detection of pseudo-Nambu-Goldstone dark matter in a two Higgs doublet plus singlet extension of the SM. <i>Journal of High Energy Physics</i> , 2022, 2022, .	1.6	4
382	Soliton stars in Yang-Mills-Higgs theories. <i>Physical Review D</i> , 2022, 106, .	1.6	13
383	Particle Physics of the Dark Sector. <i>Symmetry</i> , 2022, 14, 2238.	1.1	0
384	Jacobi equations of geodesic brane gravity. <i>Classical and Quantum Gravity</i> , 2022, 39, 235005.	1.5	0
385	Perturbative resonance in WIMP paradigm and its cosmological implications on cosmic reheating and primordial gravitational wave detection. <i>Physics of the Dark Universe</i> , 2022, 38, 101129.	1.8	1
386	Is the $W$ -boson mass enhanced by the axion-like particle, dark photon, or chameleon dark energy?. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, .	2.0	11
387	Astroparticle Constraints from the Cosmic Star Formation Rate Density at High Redshift: Current Status and Forecasts for JWST. <i>Universe</i> , 2022, 8, 589.	0.9	4
388	Sign-changeable interacting ghost dark energy model versus the cosmic age. <i>International Journal of Modern Physics D</i> , 0, , .	0.9	0
389	Gravitational wave echoes from compact stars in $\Lambda$ CDM. <i>Physical Review D</i> , 2022, 106, .	1.6	23
390	Hunt for light primordial black hole dark matter with ultrahigh-frequency gravitational waves. <i>Physical Review D</i> , 2022, 106, .	1.6	23

#	ARTICLE	IF	CITATIONS
391	The Principle and Detection Progress of Axion Dark Matter. , 0, 17, 308-312.		0
392	dmscatter: A fast program for WIMP-nucleus scattering. Computer Physics Communications, 2023, 284, 108597.	3.0	2
393	Introduction to Dark Matter Searches at CERN. , 2022, , 73-92.		0
394	Under theÂGran Sasso. , 2022, , 255-272.		0
395	Impact of electroweak group representation in models for $B$ and $g$ anomalies from dark loops. Physical Review D, 2022, 106, .	1.6	1
396	Improving ANAIS-112 sensitivity to DAMA/LIBRA signal with machine learning techniques. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 048.	1.9	2
397	Red-giant branch stellar cores as macroscopic dark matter detectors. Physical Review D, 2022, 106, .	1.6	3
398	Prospects for constraining the Yukawa gravity with pulsars around SagittariusÂ*. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 051.	1.9	5
399	Dark matter in a singlet-extended inert Higgs-doublet model. Physical Review D, 2022, 106, .	1.6	1
400	Momentum transfer in the dark sector and lensing convergence in upcoming galaxy surveys. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 010.	1.9	4
401	Measurements of the ionization efficiency of protons in methane. European Physical Journal C, 2022, 82, .	1.4	3
402	A next-generation liquid xenon observatory for dark matter and neutrino physics. Journal of Physics G: Nuclear and Particle Physics, 2023, 50, 013001.	1.4	34
403	WIMPs during reheating. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 017.	1.9	12
404	Assessing the foundation and applicability of some dark energy fluid models in the Dirac-Born-Infeld framework. International Journal of Modern Physics A, 0, , .	0.5	4
405	Nonlocal classical theory of gravity: massiveness of nonlocality and mass shielding by nonlocality. European Physical Journal Plus, 2022, 137, .	1.2	10
406	Search for Ultralight Dark Matter from Long-Term Frequency Comparisons of Optical and Microwave Atomic Clocks. Physical Review Letters, 2022, 129, .	2.9	15
407	Proposed method of combining continuum mechanics with Einstein Field Equations. International Journal of Modern Physics D, 0, , .	0.9	2
408	Learning to identify semi-visible jets. Journal of High Energy Physics, 2022, 2022, .	1.6	4

#	ARTICLE	IF	CITATIONS
409	Relativistic Ritz approach to hydrogenlike atoms: Theoretical considerations. <i>Physical Review A</i> , 2022, 106, .	1.0	2
410	A Brief Description of Cosmology. <i>Springer Theses</i> , 2023, , 1-13.	0.0	0
411	How to Strengthen Constraints on Non-Newtonian Gravity from Measuring the Lateral Casimir Force. <i>Universe</i> , 2023, 9, 34.	0.9	1
412	Narrowing the allowed mass range of ultralight bosons with the S2 star. <i>Astronomy and Astrophysics</i> , 2023, 670, L4.	2.1	7
413	Revisiting GeV-scale annihilating dark matter with the AMS-02 positron fraction. <i>Physical Review D</i> , 2023, 107, .	1.6	2
414	The Plausibility of Thomas Kuhn's Metaphysics. <i>The Western Ontario Series in Philosophy of Science</i> , 2023, , 139-154.	0.2	0
415	Search for Cosmic-Ray Boosted Sub-GeV Dark Matter Using Recoil Protons at Super-Kamiokande. <i>Physical Review Letters</i> , 2023, 130, .	2.9	11
416	What Marquis de Sade's Literary Critique Can Teach Us about Entrepreneurship. , 2022, 18, 47-68.		1
417	Asteroseismology: Looking for Axions in the Red Supergiant Star Alpha Ori. <i>Astrophysical Journal</i> , 2023, 943, 95.	1.6	1
418	A test of linearity of the ratio of dark matter to baryonic matter in galaxy clusters. <i>Physics of the Dark Universe</i> , 2023, 40, 101182.	1.8	1
419	Detecting sublunar-mass primordial black holes with the Earth-Moon binary system. <i>Physical Review D</i> , 2023, 107, .	1.6	1
420	A spherically symmetric gravitational solution of nearly conformally flat metric measure space. <i>Physics of the Dark Universe</i> , 2023, 40, 101196.	1.8	0
421	Structure formation paradigm and axion quark nugget dark matter model. <i>Physics of the Dark Universe</i> , 2023, 40, 101217.	1.8	3
422	Thermal Dark Matter. <i>Springer Theses</i> , 2022, , 177-222.	0.0	0
423	Standard Model of Cosmology. <i>Springer Theses</i> , 2022, , 73-176.	0.0	0
424	Gravitational orbits in the expanding Universe revisited. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 10, .	1.1	4
425	Five texture zeros in the lepton sector and neutrino oscillations at DUNE. <i>Physical Review D</i> , 2023, 107, .	1.6	2
426	Non-perturbative production of fermionic dark matter from fast preheating. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 034.	1.9	4



#	ARTICLE	IF	CITATIONS
427	Search for invisible decays of a dark photon using $e^+e^-$ annihilation data at BESIII. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 839, 137785.	1.5	3
428	Performance of an ultra-pure NaI(Tl) detector produced by an indigenously-developed purification method and crystal growth for the COSINE-200 experiment. Frontiers in Physics, 0, 11, .	1.0	4
429	New constraints on macroscopic dark matter using radar meteor detectors. Physical Review D, 2023, 107, .	1.6	2
430	Constraining primordial black holes as a fraction of dark matter through accretion disk luminosity. Physical Review D, 2023, 107, .	1.6	3
431	Time evolution of the local gravitational parameters and gravitational wave polarizations in a relativistic MOND theory. Physical Review D, 2023, 107, .	1.6	2
432	New constraint on neutrino magnetic moment and neutrino millicharge from LUX-ZEPLIN dark matter search results. Physical Review D, 2023, 107, .	1.6	12
433	Searching for TeV Dark Matter in Irregular Dwarf Galaxies with HAWC Observatory. Astrophysical Journal, 2023, 945, 25.	1.6	4
434	Anatomy of single-field inflationary models for primordial black holes. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 013.	1.9	38
435	Fueling the search for light dark matter-electron scattering with spherical proportional counters. Physical Review D, 2023, 107, .	1.6	4
436	Fitting a self-interacting dark matter model to data ranging from satellite galaxies to galaxy clusters. Physical Review D, 2023, 107, .	1.6	2
437	Simulations of multifield ultralight axionlike dark matter. Physical Review D, 2023, 107, .	1.6	8
438	Gravitational microlensing by dressed primordial black holes. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 043.	1.9	3
439	Comparison of Different Detection Paradigm for WMIPs. , 0, 38, 347-352.		0
440	Comparison of Detection Schemes for Different Types of Dark Matter Candidate. , 0, 38, 245-250.		0
441	Comparison of Different Searching Paradigms for Axion. , 0, 38, 281-289.		0
442	Comparison Of the Detection Scenarios of Wimps And ALP. , 0, 38, 867-874.		0
443	Demonstration of Models and Detection Scenarios for WIMP And Axion. , 0, 38, 665-671.		0
444	Femtotesla Atomic Magnetometer Employing Diffusion Optical Pumping to Search for Exotic Spin-Dependent Interactions. Physical Review Letters, 2023, 130, .	2.9	8

#	ARTICLE	IF	CITATIONS
445	Cosmological simulations of two-component wave dark matter. Monthly Notices of the Royal Astronomical Society, 2023, 522, 515-534.	1.6	7
446	Gravitational lensing by a charged spherically symmetric black hole immersed in thin dark matter. European Physical Journal C, 2023, 83, .	1.4	4
447	Time-delayed neutrino emission from supernovae as a probe of dark matter-neutrino interactions. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 019.	1.9	3
448	Normalized additional velocity distribution: Testing the radial profile of dark matter halos and MOND. Physics of the Dark Universe, 2023, 41, 101230.	1.8	5
449	Dark matter fluid constraints from galaxy rotation curves. European Physical Journal C, 2023, 83, .	1.4	0
450	Mass production of ultra-pure NaI powder for COSINE-200. Frontiers in Physics, 0, 11, .	1.0	0
451	Galaxy rotation favors prolate dark matter haloes. Physical Review D, 2023, 107, .	1.6	3
499	Applications of Time Keeping and Time Transfer. Springer Series in Measurement Science and Technology, 2023, , 281-295.	0.5	0
512	Testing Gravity and Predictions Beyond the Standard Model at Short Distances: The Casimir Effect. Lecture Notes in Physics, 2023, , 403-445.	0.3	0
525	The Dark Universe. Challenges in Physics Education, 2023, , 93-106.	0.6	0