

Glennys R Farrar

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,609
citations

471509

17
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

2401
citing authors

#	ARTICLE	IF	CITATIONS
1	A NEW MODEL OF THE GALACTIC MAGNETIC FIELD. <i>Astrophysical Journal</i> , 2012, 757, 14.	4.5	433
2	The speed of the "bullet" in the merging galaxy cluster 1E0657+56. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 380, 911-925.	4.4	181
3	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2016, 117, 192001.	7.8	154
4	A tidal disruption event coincident with a high-energy neutrino. <i>Nature Astronomy</i> , 2021, 5, 510-518.	10.1	136
5	Dark Matter and the Baryon Asymmetry of the Universe. <i>Physical Review Letters</i> , 2006, 96, 041302.	7.8	133
6	Origin of the ankle in the ultrahigh energy cosmic ray spectrum, and of the extragalactic protons below it. <i>Physical Review D</i> , 2015, 92, .	4.7	88
7	Constraints on Dark Matter with a moderately large and velocity-dependent DM-nucleon cross-section. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 007-007.	5.4	55
8	A new physical phenomenon in ultra-high energy collisions. <i>EPJ Web of Conferences</i> , 2013, 53, 07007.	0.3	33
9	Progress towards characterizing ultrahigh energy cosmic ray sources. <i>Physical Review D</i> , 2019, 100, .	4.7	33
10	Gas-rich dwarf galaxies as a new probe of dark matter interactions with ordinary matter. <i>Physical Review D</i> , 2021, 103, .	4.7	30
11	GALAXIES CORRELATING WITH ULTRA-HIGH ENERGY COSMIC RAYS. <i>Astrophysical Journal</i> , 2009, 696, 1218-1229.	4.5	29
12	New physics searches with heavy-ion collisions at the CERN Large Hadron Collider. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 060501.	3.6	27
13	Dark Matter that Interacts with Baryons: Density Distribution within the Earth and New Constraints on the Interaction Cross-section. <i>Astrophysical Journal</i> , 2018, 866, 111.	4.5	26
14	The Galactic magnetic field and ultrahigh-energy cosmic ray deflections. <i>Comptes Rendus Physique</i> , 2014, 15, 339-348.	0.9	24
15	Deflections of UHECRs in the Galactic magnetic field. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 004-004.	5.4	23
16	The Imprint of Large-scale Structure on the Ultrahigh-energy Cosmic-Ray Sky. <i>Astrophysical Journal Letters</i> , 2021, 913, L13.	8.3	22
17	Probing the environments surrounding ultrahigh energy cosmic ray accelerators and their implications for astrophysical neutrinos. <i>Physical Review D</i> , 2022, 105, .	4.7	22
18	Self-Interacting Dark Matter. , 2001, , 263-274.		21

#	ARTICLE	IF	CITATIONS
19	Sexaquark dilemma in neutron stars and its solution by quark deconfinement. <i>Physical Review D</i> , 2022, 105, .	4.7	20
20	Farrar and Biermann Reply:. <i>Physical Review Letters</i> , 1999, 83, 2472-2472.	7.8	17
21	Progress in the Global Modeling of the Galactic Magnetic Field. <i>EPJ Web of Conferences</i> , 2019, 210, 04005.	0.3	14
22	A Stable H-Dibaryon: Dark Matter, Candidate Within QCD?. <i>International Journal of Theoretical Physics</i> , 2003, 42, 1211-1218.	1.2	12
23	A Uniformly Selected, All-sky, Optical AGN Catalog. <i>Astrophysical Journal</i> , 2019, 872, 134.	4.5	12
24	Nuclear and nucleon transitions of the H dibaryon. <i>Physical Review D</i> , 2004, 70, .	4.7	11
25	Comment on "Calorimetric Dark Matter Detection with Galactic Center Gas Clouds". <i>Physical Review Letters</i> , 2020, 124, 029001.	7.8	10
26	<i>CHANDRA</i> OBSERVATIONS AND CLASSIFICATION OF ACTIVE GALACTIC NUCLEUS CANDIDATES CORRELATED WITH AUGER UHECRs. <i>Astrophysical Journal</i> , 2012, 754, 142.	4.5	8
27	Dependence of Optical Active Galactic Nuclei Identification on Stellar Population Models. <i>Astrophysical Journal</i> , 2018, 861, 67.	4.5	7
28	Strong<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">C</math> Problem with<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">10^{32}</math> Standard Model Copies. <i>Physical Review Letters</i> , 2008, 101, 011801.	7.8	6
29	Galaxy Rotation Curves Disfavor Traditional and Self-interacting Dark Matter Halos, Preferring a Disk Component or Einasto Function. <i>Astrophysical Journal Letters</i> , 2021, 920, L10.	8.3	6
30	Testing the correlations between ultrahigh energy cosmic rays and the Veron-Cetty and Veron catalogue of quasars and active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 263-272.	4.4	4
31	Thermal production of sexaquarks in heavy-ion collisions. <i>International Journal of Modern Physics A</i> , 2021, 36, .	1.5	3
32	The Galactic magnetic field and its lensing of ultrahigh energy and Galactic cosmic rays. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 723-726.	0.0	2
33	On the origin of ultra-high energy cosmic ray anisotropy. , 2019, , .		1
34	A STABLE H DIBARYON: DARK MATTER CANDIDATE WITHIN QCD?. , 2002, , .		1
35	Non-spherical dark matter structures detection. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 049.	5.4	1
36	Workshop on Stellar Tidal Disruption. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 261-268.	0.0	0

#	ARTICLE	IF	CITATIONS
37	A Uniformly Selected, Southern-sky 6dF, Optical AGN Catalog. Astrophysical Journal, Supplement Series, 2022, 258, 29.	7.7	0