

Lilia Ferrario

List of Publications by Year in descending order

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115
papers

3,599
citations

126907

33
h-index

144013

57
g-index

116
all docs

116
docs citations

116
times ranked

1969
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetism in Isolated and Binary White Dwarfs. Publications of the Astronomical Society of the Pacific, 2000, 112, 873-924.	3.1	315
2	Magnetic White Dwarfs. Space Science Reviews, 2015, 191, 111-169.	8.1	231
3	The MiMeS survey of magnetism in massive stars: introduction and overview. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2-22.	4.4	174
4	Binary star origin of high field magnetic white dwarfs. Monthly Notices of the Royal Astronomical Society, 2008, 387, 897-901.	4.4	169
5	Modelling of isolated radio pulsars and magnetars on the fossil field hypothesis. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1323-1328.	4.4	117
6	Study of measured pulsar masses and their possible conclusions. Astronomy and Astrophysics, 2011, 527, A83.	5.1	112
7	EUVE J0317 $\hat{\epsilon}$ 855: a rapidly rotating, high-field magnetic white dwarf. Monthly Notices of the Royal Astronomical Society, 1997, 292, 205-217.	4.4	101
8	The open-cluster initial-final mass relationship and the high-mass tail of the white dwarf distribution. Monthly Notices of the Royal Astronomical Society, 2005, 361, 1131-1135.	4.4	99
9	The origin of magnetism on the upper main sequence. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 400, L71-L74.	3.3	99
10	The origin of the magnetic fields in white dwarfs. Monthly Notices of the Royal Astronomical Society, 2005, 356, 1576-1582.	4.4	92
11	The most magnetic stars. Monthly Notices of the Royal Astronomical Society, 2014, 437, 675-681.	4.4	84
12	Magnetic fields and rotation in white dwarfs and neutron stars. Monthly Notices of the Royal Astronomical Society, 2005, 356, 615-620.	4.4	78
13	Where Are the Magnetic White Dwarfs with Detached, Nondegenerate Companions?. Astronomical Journal, 2005, 129, 2376-2381.	4.7	73
14	Magnetic fields in isolated and interacting white dwarfs. Advances in Space Research, 2020, 66, 1025-1056.	2.6	64
15	An unusual white dwarf star may be a surviving remnant of a subluminous Type Ia supernova. Science, 2017, 357, 680-683.	12.6	59
16	Formation of binary millisecond pulsars by accretion-induced collapse of white dwarfs. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1437-1448.	4.4	52
17	A centered dipole model for the high field magnetic white dwarf GRW + 70 deg 8247. Astrophysical Journal, 1988, 327, 222.	4.5	52
18	EXO 033319-2554.2: an Eclipsing AM Herculis System Showing Cyclotron Emission Features. Astrophysical Journal, 1989, 337, 832.	4.5	52

#	ARTICLE	IF	CITATIONS
19	Magnetic fields in white dwarfs and stellar evolution. Monthly Notices of the Royal Astronomical Society, 2004, 355, L13-L16.	4.4	51
20	Magnetic Field Generation in Stars. Space Science Reviews, 2015, 191, 77-109.	8.1	50
21	On the formation of neutron stars via accretion-induced collapse in binaries. Monthly Notices of the Royal Astronomical Society, 2019, 484, 698-711.	4.4	50
22	Planets around White Dwarfs. Astrophysical Journal, 1998, 503, L151-L154.	4.5	50
23	Merging binary stars and the magnetic white dwarfs. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1713-1723.	4.4	49
24	The birth properties of Galactic millisecond radio pulsars. Monthly Notices of the Royal Astronomical Society, 2007, 375, 1009-1016.	4.4	45
25	Why stars inflate to and deflate from red giant dimensions. Astrophysical Journal, 1992, 400, 280.	4.5	42
26	WD 1953-011: a magnetic white dwarf with peculiar field structure. Monthly Notices of the Royal Astronomical Society, 2000, 315, L41-L44.	4.4	40
27	Diffuse Galactic antimatter from faint thermonuclear supernovae in old stellar populations. Nature Astronomy, 2017, 1, .	10.1	40
28	Constraints on the pairing properties of main-sequence stars from observations of white dwarfs in binary systems. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2500-2506.	4.4	39
29	Whole Earth Telescope Observations of the Helium Interacting Binary PG 1346+082 (CR Bootis). Astrophysical Journal, 1997, 480, 383-394.	4.5	38
30	A Multiwavelength Study of the High-Field Magnetic White Dwarf EUVE J0317 ^h 85.5 (=RE J0317 ^h 853). Astrophysical Journal, 2003, 593, 1040-1048.	4.5	37
31	Origin and evolution of magnetars. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 389, L66-L70.	3.3	36
32	Whole Earth Telescope Observations of the DAV White Dwarf G226-29. Astrophysical Journal, 1995, 447, 874.	4.5	35
33	Intermediate polars as low-field magnetic cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 1991, 249, 460-467.	4.4	34
34	The power of intermediate polars. Monthly Notices of the Royal Astronomical Society, 1999, 309, 517-527.	4.4	33
35	A 56 MG field at the second pole in VV Puppis. Astrophysical Journal, 1989, 342, L35.	4.5	33
36	Evidence of enhanced magnetism in cool, polluted white dwarfs. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5201-5210.	4.4	32

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37	The magnetic fields of EF Eridani and BL Hydri. Monthly Notices of the Royal Astronomical Society, 1996, 282, 218-222.	4.4	31
38	Studies of magnetic and suspected-magnetic southern white dwarfs. Monthly Notices of the Royal Astronomical Society, 2001, 328, 203-210.	4.4	31
39	Detection of cyclotron emission features in the infrared spectrum of ST LMi. Monthly Notices of the Royal Astronomical Society, 1993, 262, 285-288.	4.4	30
40	Cyclotron features in the infrared spectrum of AM Herculis. Monthly Notices of the Royal Astronomical Society, 1991, 251, 37P-40P.	4.4	29
41	Detection of photospheric Zeeman features and cyclotron emission lines in V834 Cen in a low state. Monthly Notices of the Royal Astronomical Society, 1992, 256, 252-260.	4.4	29
42	An emission-line model for AM Herculis systems. Astrophysical Journal, 1989, 341, 327.	4.5	28
43	Arc-shaped cyclotron emission regions in AM Herculis systems. Astrophysical Journal, 1990, 357, 582.	4.5	28
44	ENIGMAS FROM THE SLOAN DIGITAL SKY SURVEY DR7 KLEINMAN WHITE DWARF CATALOG. Astrophysical Journal, 2015, 804, 93.	4.5	27
45	Genesis of magnetic fields in isolated white dwarfs. Monthly Notices of the Royal Astronomical Society, 2018, 478, 899-905.	4.4	26
46	The magnetic field and emission-line spectrum of the remarkable white dwarf GD 356. Monthly Notices of the Royal Astronomical Society, 1997, 289, 105-116.	4.4	25
47	The accretion curtain model for intermediate polars – I. A kinematical model for radial velocity and velocity dispersion. Monthly Notices of the Royal Astronomical Society, 1993, 260, 149-162.	4.4	24
48	Accretion funnels in AM Herculis systems – I. Model characteristics. Monthly Notices of the Royal Astronomical Society, 1999, 310, 189-202.	4.4	23
49	New polarimetric observations and a two pole model for the cyclotron emission from AM Herculis. Monthly Notices of the Royal Astronomical Society, 1991, 251, 28-45.	4.4	21
50	Changes of accretion spot longitude in eclipsing AM Herculis binaries. Monthly Notices of the Royal Astronomical Society, 1993, 261, L31-L34.	4.4	21
51	1H 1752+08: the lowest field AM Herculis system?. Monthly Notices of the Royal Astronomical Society, 1995, 273, 17-24.	4.4	20
52	1RXS J0823.6+2525: a new ultramassive magnetic white dwarf. Monthly Notices of the Royal Astronomical Society, 1998, 299, L1-L4.	4.4	20
53	Observations of radio pulses from CU Virginis. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 408, L99-L103.	3.3	20
54	The nature of millisecond pulsars with helium white dwarf companions. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2217-2229.	4.4	20

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55	The Cyclotron Fundamental Exposed in the High-Field Magnetic Variable V884 Herculis. <i>Astrophysical Journal</i> , 2001, 553, 823-831.	4.5	18
56	Millisecond pulsars from accretion-induced collapse as the origin of the Galactic Centre gamma-ray excess signal. <i>Nature Astronomy</i> , 2022, 6, 703-707.	10.1	18
57	The new magnetic / non-magnetic double degenerate system EUVE J1439+75.0. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 302, L49-L52.	4.4	17
58	Formation of redbacks via accretion-induced collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 2540-2549.	4.4	17
59	Cyclotron emission from inhomogeneous shocks in AM Herculis-type systems. <i>Astrophysical Journal</i> , 1988, 334, 412.	4.5	17
60	Polarimetry and photometry of the new AM Herculis system RE J1844-741. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995, 272, 579-584.	4.4	16
61	On the nature of the magnetic DB white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 332, 29-33.	4.4	16
62	Plasma Concentrations of Diazepam, Nordiazepam and Amylobarbitone after Short-term Treatment of Anxious Patients. <i>Pharmacopsychiatry</i> , 1978, 11, 68-75.	3.3	15
63	Is there evidence for field restructuring or decay in accreting magnetic white dwarfs?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 2208-2215.	4.4	15
64	<i>HUBBLE SPACE TELESCOPE</i> FUV SPECTRA OF THE POST-COMMON-ENVELOPE HYADES BINARY V471 Tauri. <i>Astrophysical Journal</i> , 2012, 751, 66.	4.5	15
65	A fast spinning magnetic white dwarf in the double degenerate, super-Chandrasekhar system NLTT 12758. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1127-1139.	4.4	15
66	A model for the optical continuum and Balmer emission lines in intermediate polars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 265, 605-618.	4.4	14
67	Does GD&f356 have a terrestrial planetary companion?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	4.4	13
68	Origin of magnetic fields in cataclysmic variables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3604-3617.	4.4	13
69	The effects of tidally induced disc structure on white dwarf accretion in intermediate polars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 302, 189-196.	4.4	12
70	A common envelope binary star origin of long gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2458-2462.	4.4	12
71	Accretion and magnetic field structure in AM Herculis systems. <i>New Astronomy Reviews</i> , 2000, 44, 69-74.	12.8	11
72	The polarization and magnetic field of RE J1938 - 461 during its low state. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 268, 128-134.	4.4	9

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73	Analysis of new spectropolarimetric data of AR UMa. Monthly Notices of the Royal Astronomical Society, 2003, 338, 340-346.	4.4	9
74	Observations of the Magnetic Cataclysmic Variable VV Puppis with the [ITAL]Far Ultraviolet Spectroscopic Explorer[/ITAL]. Astronomical Journal, 2002, 124, 2238-2244.	4.7	9
75	Polarimetry of the eclipsing polar RX J0929.1 – 2404. Monthly Notices of the Royal Astronomical Society, 1998, 295, 899-906.	4.4	8
76	High-Resolution Spectra of Bright Central Stars of Bipolar Planetary Nebulae and the Question of Magnetic Shaping. Astronomical Journal, 2007, 133, 987-999.	4.7	8
77	An ancient double degenerate merger in the Milky Way halo. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 491, L40-L45.	3.3	8
78	Two-pole emission in Grus V1. Monthly Notices of the Royal Astronomical Society, 1991, 251, 137-141.	4.4	7
79	Whole Earth Telescope Observations of PG1346+082. , 1991, , 449-456.		7
80	Accretion Curtains in Magnetic CVs. Publications of the Astronomical Society of Australia, 1996, 13, 87-92.	3.4	6
81	Polarized line emission from magnetized accretion flows. Monthly Notices of the Royal Astronomical Society, 2002, 331, 736-744.	4.4	6
82	The Ultraviolet Spectrum of the High-Field Magnetic Cataclysmic Variable AR Ursae Majoris. Astronomical Journal, 2004, 128, 1894-1898.	4.7	6
83	Evidence for nonpolar emission regions in a new AM Herculis candidate. Astrophysical Journal, 1988, 328, L59.	4.5	6
84	Discovery of another AM Her variable in the period gap. Monthly Notices of the Royal Astronomical Society, 1993, 265, L29-L34.	4.4	5
85	Accretion induced collapse of white dwarfs in binary systems and their observational properties. Journal of Physics: Conference Series, 2009, 172, 012037.	0.4	5
86	The impact of the environment of white dwarf mergers on fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3753-3762.	4.4	5
87	The implications of a companion enhanced wind on millisecond pulsar production. Monthly Notices of the Royal Astronomical Society, 2017, 464, 237-245.	4.4	4
88	WW Horologii: X-Ray and optical observations. Monthly Notices of the Royal Astronomical Society, 1994, 271, 733-736.	4.4	3
89	Binary Millisecond Pulsars: The Accretion Induced Collapse hypothesis revisited. AIP Conference Proceedings, 2008, , .	0.4	3
90	The magnetic system SMSS J1606+1000 as a period bouncer. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 507, L30-L35.	3.3	3

#	ARTICLE	IF	CITATIONS
91	Magnetic fields in neutron stars, white dwarfs and implications for binary millisecond pulsars. AIP Conference Proceedings, 2008, , .	0.4	2
92	New insights on the origin of magnetic fields in white dwarfs. AIP Conference Proceedings, 2010, , .	0.4	2
93	Galactic escape speeds in mirror and cold dark matter models. European Physical Journal C, 2013, 73, 1.	3.9	2
94	Magnetic Field Generation in Stars. Space Sciences Series of ISSI, 2016, , 81-113.	0.0	2
95	The time dependence of the phases of the harmonics relative to the 1490 sec fundamental in PG1346+082. , 1989, , 296-299.		2
96	The Effect of Magnetic Field Spread and Temperature and Density Variations in Cyclotron Emission Regions. Publications of the Astronomical Society of Australia, 1987, 7, 123-127.	3.4	1
97	2.3 metre multi-colour photometry of a new AM Herculis variable. Publications of the Astronomical Society of Australia, 1987, 7, 60-64.	3.4	1
98	An Emission Line Model for AM Herculis Systems: Application to E1405-451. Publications of the Astronomical Society of Australia, 1987, 7, 119-122.	3.4	1
99	The Time Dependence of the Phases of the Harmonics Relative to the 1490 sec Fundamental in PG1346+082. International Astronomical Union Colloquium, 1989, 114, 296-299.	0.1	1
100	Evidence of Complex Field Structure in the Magnetic White Dwarf in EXO 033319â€“2554.2. International Astronomical Union Colloquium, 1989, 114, 324-328.	0.1	1
101	Properties of Magnetic Accretion Curtains: Magnetic CVs and T Tauri Stars. International Astronomical Union Colloquium, 1997, 163, 403-408.	0.1	1
102	The Origin of High Magnetic Fields in White Dwarfs. , 2010, , .		1
103	Whole Earth Telescope Observations of the DBV White Dwarf PG1115+158: Preliminary Results. , 1993, , 515-521.		1
104	The Magnetic Field of 1H1752+08. Publications of the Astronomical Society of Australia, 1995, 12, 66-70.	3.4	0
105	Detection of Cyclotron Lines in BL Hyi. Publications of the Astronomical Society of Australia, 1995, 12, 81-83.	3.4	0
106	Accretion Processes in Magnetic Binaries. Publications of the Astronomical Society of Australia, 1999, 16, 234-239.	3.4	0
107	Are the Precursors of Type Ia Supernovae Double Degenerate Mergers?. International Astronomical Union Colloquium, 2004, 194, 111-112.	0.1	0
108	Towards Self-Consistent Spectral Models for Outbursting Discs in AM CVn Binaries. International Astronomical Union Colloquium, 2004, 194, 255-255.	0.1	0

#	ARTICLE	IF	CITATIONS
109	Accretion induced collapse of white dwarfs and the origin of Long Gamma-Ray Bursts. , 2010, , .		0
110	White dwarf pairing functions. , 2010, , .		0
111	Binary Paths to Type Ia Supernovae Explosions: the Highlights. Proceedings of the International Astronomical Union, 2011, 7, 341-350.	0.0	0
112	Modelling Magnetic DB White Dwarfs. , 2003, , 215-216.		0
113	WD1953-011 " A White Dwarf With a Star Spot?. , 2003, , 201-202.		0
114	Magnetic White Dwarfs. Space Sciences Series of ISSI, 2016, , 115-173.	0.0	0
115	Observational properties of magnetic white dwarfs. , 2017, , .		0