

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	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
2	The magnetic system SMSS J1606+1000 as a period bouncer. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 507, L30-L35.	3.3	3
3	An ancient double degenerate merger in the Milky Way halo. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 491, L40-L45.	3.3	8
4	Magnetic fields in isolated and interacting white dwarfs. <i>Advances in Space Research</i> , 2020, 66, 1025-1056.	2.6	64
5	The impact of the environment of white dwarf mergers on fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3753-3762.	4.4	5
6	Evidence of enhanced magnetism in cool, polluted white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5201-5210.	4.4	32
7	On the formation of neutron stars via accretion-induced collapse in binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 698-711.	4.4	50
8	Origin of magnetic fields in cataclysmic variables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3604-3617.	4.4	13
9	Genesis of magnetic fields in isolated white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 899-905.	4.4	26
10	Diffuse Galactic antimatter from faint thermonuclear supernovae in old stellar populations. <i>Nature Astronomy</i> , 2017, 1, .	10.1	40
11	An unusual white dwarf star may be a surviving remnant of a subluminous Type Ia supernova. <i>Science</i> , 2017, 357, 680-683.	12.6	59
12	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
13	The implications of a companion enhanced wind on millisecond pulsar production. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 237-245.	4.4	4
14	Observational properties of magnetic white dwarfs. , 2017, , .		0
15	The MiMeS survey of magnetism in massive stars: introduction and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2-22.	4.4	174
16	Magnetic White Dwarfs. <i>Space Sciences Series of ISSI</i> , 2016, , 115-173.	0.0	0
17	Magnetic Field Generation in Stars. <i>Space Sciences Series of ISSI</i> , 2016, , 81-113.	0.0	2
18	Magnetic White Dwarfs. <i>Space Science Reviews</i> , 2015, 191, 111-169.	8.1	231

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19	Merging binary stars and the magnetic white dwarfs. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1713-1723.	4.4	49
20	Formation of redbacks via accretion-induced collapse. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2540-2549.	4.4	17
21	Magnetic Field Generation in Stars. Space Science Reviews, 2015, 191, 77-109.	8.1	50
22	ENIGMAS FROM THE SLOAN DIGITAL SKY SURVEY DR7 KLEINMAN WHITE DWARF CATALOG. Astrophysical Journal, 2015, 804, 93.	4.5	27
23	The nature of millisecond pulsars with helium white dwarf companions. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2217-2229.	4.4	20
24	The most magnetic stars. Monthly Notices of the Royal Astronomical Society, 2014, 437, 675-681.	4.4	84
25	Galactic escape speeds in mirror and cold dark matter models. European Physical Journal C, 2013, 73, 1.	3.9	2
26	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
27	<i>HUBBLE SPACE TELESCOPE FLUV SPECTRA OF THE POST-COMMON-ENVELOPE HYADES BINARY V471 Tauri.</i> Astrophysical Journal, 2012, 751, 66.	4.5	15
28	Study of measured pulsar masses and their possible conclusions. Astronomy and Astrophysics, 2011, 527, A83.	5.1	112
29	Binary Paths to Type Ia Supernovae Explosions: the Highlights. Proceedings of the International Astronomical Union, 2011, 7, 341-350.	0.0	0
30	A common envelope binary star origin of long gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2011, 410, 2458-2462.	4.4	12
31	Accretion induced collapse of white dwarfs and the origin of Long Gamma-Ray Bursts. , 2010, , .		0
32	White dwarf pairing functions. , 2010, , .		0
33	New insights on the origin of magnetic fields in white dwarfs. AIP Conference Proceedings, 2010, , .	0.4	2
34	Observations of radio pulses from CU Virginis. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 408, L99-L103.	3.3	20
35	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
36	Does GDâ€f356 have a terrestrial planetary companion?. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	13

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37	The Origin of High Magnetic Fields in White Dwarfs. , 2010, , .		1
38	Is there evidence for field restructuring or decay in accreting magnetic white dwarfs?. Monthly Notices of the Royal Astronomical Society, 2009, 397, 2208-2215.	4.4	15
39	The origin of magnetism on the upper main sequence. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 400, L71-L74.	3.3	99
40	Accretion induced collapse of white dwarfs in binary systems and their observational properties. Journal of Physics: Conference Series, 2009, 172, 012037.	0.4	5
41	Origin and evolution of magnetars. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 389, L66-L70.	3.3	36
42	Binary star origin of high field magnetic white dwarfs. Monthly Notices of the Royal Astronomical Society, 2008, 387, 897-901.	4.4	169
43	Binary Millisecond Pulsars: The Accretion Induced Collapse hypothesis revisited. AIP Conference Proceedings, 2008, , .	0.4	3
44	Magnetic fields in neutron stars, white dwarfs and implications for binary millisecond pulsars. AIP Conference Proceedings, 2008, , .	0.4	2
45	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
46	The birth properties of Galactic millisecond radio pulsars. Monthly Notices of the Royal Astronomical Society, 2007, 375, 1009-1016.	4.4	45
47	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
48	Where Are the Magnetic White Dwarfs with Detached, Nondegenerate Companions?. Astronomical Journal, 2005, 129, 2376-2381.	4.7	73
49	Magnetic fields and rotation in white dwarfs and neutron stars. Monthly Notices of the Royal Astronomical Society, 2005, 356, 615-620.	4.4	78
50	The origin of the magnetic fields in white dwarfs. Monthly Notices of the Royal Astronomical Society, 2005, 356, 1576-1582.	4.4	92
51	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
52	Are the Precursors of Type Ia Supernovae Double Degenerate Mergers?. International Astronomical Union Colloquium, 2004, 194, 111-112.	0.1	0
53	Towards Self-Consistent Spectral Models for Outbursting Discs in AM CVn Binaries. International Astronomical Union Colloquium, 2004, 194, 255-255.	0.1	0
54	Magnetic fields in white dwarfs and stellar evolution. Monthly Notices of the Royal Astronomical Society, 2004, 355, L13-L16.	4.4	51

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55	The Ultraviolet Spectrum of the High-Field Magnetic Cataclysmic Variable AR Ursae Majoris. <i>Astronomical Journal</i> , 2004, 128, 1894-1898.	4.7	6
56	Analysis of new spectropolarimetric data of AR UMa. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 338, 340-346.	4.4	9
57	A Multiwavelength Study of the High-Field Magnetic White Dwarf EUVE J0317 ^h 85.5 (=RE J0317 ^h 853). <i>Astrophysical Journal</i> , 2003, 593, 1040-1048.	4.5	37
58	Modelling Magnetic DB White Dwarfs. , 2003, , 215-216.		0
59	WD1953-011 " A White Dwarf With a Star Spot?. , 2003, , 201-202.		0
60	Polarized line emission from magnetized accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 331, 736-744.	4.4	6
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	Observations of the Magnetic Cataclysmic Variable VV Puppis with the [ITAL]Far Ultraviolet Spectroscopic Explorer[/ITAL]. <i>Astronomical Journal</i> , 2002, 124, 2238-2244.	4.7	9
63	Studies of magnetic and suspected-magnetic southern white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 328, 203-210.	4.4	31
64	The Cyclotron Fundamental Exposed in the High-Field Magnetic Variable V884 Herculis. <i>Astrophysical Journal</i> , 2001, 553, 823-831.	4.5	18
65	WD 1953-011: a magnetic white dwarf with peculiar field structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, L41-L44.	4.4	40
66	Accretion and magnetic field structure in AM Herculis systems. <i>New Astronomy Reviews</i> , 2000, 44, 69-74.	12.8	11
67	Magnetism in Isolated and Binary White Dwarfs. <i>Publications of the Astronomical Society of the Pacific</i> , 2000, 112, 873-924.	3.1	315
68	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
69	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
70	The power of intermediate polars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 309, 517-527.	4.4	33
71	Accretion funnels in AM Herculis systems – I. Model characteristics. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 310, 189-202.	4.4	23
72	Accretion Processes in Magnetic Binaries. <i>Publications of the Astronomical Society of Australia</i> , 1999, 16, 234-239.	3.4	0

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73	Polarimetry of the eclipsing polar RX J0929.1 – 2404. Monthly Notices of the Royal Astronomical Society, 1998, 295, 899-906.	4.4	8
74	1RXS J0823.6â€“2525: a new ultramassive magnetic white dwarf. Monthly Notices of the Royal Astronomical Society, 1998, 299, L1-L4.	4.4	20
75	Planets around White Dwarfs. Astrophysical Journal, 1998, 503, L151-L154.	4.5	50
76	EUVE J0317 â€” 855: a rapidly rotating, high-field magnetic white dwarf. Monthly Notices of the Royal Astronomical Society, 1997, 292, 205-217.	4.4	101
77	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
78	Properties of Magnetic Accretion Curtains: Magnetic CVs and T Tauri Stars. International Astronomical Union Colloquium, 1997, 163, 403-408.	0.1	1
79	Whole Earth Telescope Observations of the Helium Interacting Binary PG 1346+082 (CR Bootis). Astrophysical Journal, 1997, 480, 383-394.	4.5	38
80	Accretion Curtains in Magnetic CVs. Publications of the Astronomical Society of Australia, 1996, 13, 87-92.	3.4	6
81	The magnetic fields of EF Eridani and BL Hydri. Monthly Notices of the Royal Astronomical Society, 1996, 282, 218-222.	4.4	31
82	The Magnetic Field of 1H1752+08. Publications of the Astronomical Society of Australia, 1995, 12, 66-70.	3.4	0
83	Detection of Cyclotron Lines in BL Hyi. Publications of the Astronomical Society of Australia, 1995, 12, 81-83.	3.4	0
84	Polarimetry and photometry of the new AM Herculis system RE J1844-741. Monthly Notices of the Royal Astronomical Society, 1995, 272, 579-584.	4.4	16
85	1H 1752+08: the lowest field AM Herculis system?. Monthly Notices of the Royal Astronomical Society, 1995, 273, 17-24.	4.4	20
86	Whole Earth Telescope Observations of the DAV White Dwarf G226-29. Astrophysical Journal, 1995, 447, 874.	4.5	35
87	WW Horologii: X-Ray and optical observations. Monthly Notices of the Royal Astronomical Society, 1994, 271, 733-736.	4.4	3
88	The polarization and magnetic field of RE J1938 - 461 during its low state. Monthly Notices of the Royal Astronomical Society, 1994, 268, 128-134.	4.4	9
89	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
90	A model for the optical continuum and Balmer emission lines in intermediate polars. Monthly Notices of the Royal Astronomical Society, 1993, 265, 605-618.	4.4	14

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91	Changes of accretion spot longitude in eclipsing AM Herculis binaries. Monthly Notices of the Royal Astronomical Society, 1993, 261, L31-L34.	4.4	21
92	Discovery of another AM Her variable in the period gap. Monthly Notices of the Royal Astronomical Society, 1993, 265, L29-L34.	4.4	5
93	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
94	Whole Earth Telescope Observations of the DBV White Dwarf PG1115+158: Preliminary Results. , 1993, , 515-521.		1
95	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
96	Why stars inflate to and deflate from red giant dimensions. Astrophysical Journal, 1992, 400, 280.	4.5	42
97	Two-pole emission in Grus V1. Monthly Notices of the Royal Astronomical Society, 1991, 251, 137-141.	4.4	7
98	Cyclotron features in the infrared spectrum of AM Herculis. Monthly Notices of the Royal Astronomical Society, 1991, 251, 37P-40P.	4.4	29
99	Intermediate polars as low-field magnetic cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 1991, 249, 460-467.	4.4	34
100	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
101	Whole Earth Telescope Observations of PG1346+082. , 1991, , 449-456.		7
102	Arc-shaped cyclotron emission regions in AM Herculis systems. Astrophysical Journal, 1990, 357, 582.	4.5	28
103	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
104	Evidence of Complex Field Structure in the Magnetic White Dwarf in EXO 033319 – 2554.2. International Astronomical Union Colloquium, 1989, 114, 324-328.	0.1	1
105	EXO 033319-2554.2: an Eclipsing AM Herculis System Showing Cyclotron Emission Features. Astrophysical Journal, 1989, 337, 832.	4.5	52
106	An emission-line model for AM Herculis systems. Astrophysical Journal, 1989, 341, 327.	4.5	28
107	A 56 MG field at the second pole in VV Puppis. Astrophysical Journal, 1989, 342, L35.	4.5	33
108	The time dependence of the phases of the harmonics relative to the 1490 sec fundamental in PG1346+082. , 1989, , 296-299.		2

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109	A centered dipole model for the high field magnetic white dwarf GRW + 70 deg 8247. <i>Astrophysical Journal</i> , 1988, 327, 222.	4.5	52
110	Cyclotron emission from inhomogeneous shocks in AM Herculis-type systems. <i>Astrophysical Journal</i> , 1988, 334, 412.	4.5	17
111	Evidence for nonpolar emission regions in a new AM Herculis candidate. <i>Astrophysical Journal</i> , 1988, 328, L59.	4.5	6
112	The Effect of Magnetic Field Spread and Temperature and Density Variations in Cyclotron Emission Regions. <i>Publications of the Astronomical Society of Australia</i> , 1987, 7, 123-127.	3.4	1
113	2.3 metre multi-colour photometry of a new AM Herculis variable. <i>Publications of the Astronomical Society of Australia</i> , 1987, 7, 60-64.	3.4	1
114	An Emission Line Model for AM Herculis Systems: Application to E1405-451. <i>Publications of the Astronomical Society of Australia</i> , 1987, 7, 119-122.	3.4	1
115	Plasma Concentrations of Diazepam, Nordiazepam and Amylobarbitone after Short-term Treatment of Anxious Patients. <i>Pharmacopsychiatry</i> , 1978, 11, 68-75.	3.3	15