

Carlo Ferrigno

List of Publications by Year in descending order

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128
papers

5,943
citations

109321

35
h-index

76900

74
g-index

128
all docs

128
docs citations

128
times ranked

6271
citing authors

#	ARTICLE	IF	CITATIONS
1	Accretion of a clumped wind from a red supergiant donor on to a magnetar is suggested by the analysis of the <i>XMM-Newton</i> and <i>NuSTAR</i> observations of the X-ray binary 3A 1954+319. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4645-4653.	4.4	6
2	The Second Catalog of Interplanetary Network Localizations of Konus Short-duration Gamma-Ray Bursts. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 34.	7.7	2
3	Disc precession to explain the superorbital modulation of LMC X-4: results from the <i>Swift</i> monitoring campaign. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3422-3435.	4.4	2
4	The symbiotic X-ray binaries Sct X-1, 4U 1700+24, and IGR J17329+2731. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 42-54.	4.4	5
5	A bright \hat{I}^3 -ray flare interpreted as a giant magnetar flare in NGC 253. <i>Nature</i> , 2021, 589, 211-213.	27.8	49
6	PHEMTO: the polarimetric high energy modular telescope observatory. <i>Experimental Astronomy</i> , 2021, 51, 1143-1173.	3.7	0
7	Multi-messenger astronomy with INTEGRAL. <i>New Astronomy Reviews</i> , 2021, 92, 101595.	12.8	6
8	Fe K \hat{I}^{\pm} and Fe K \hat{I}^2 line detection in the <i>NuSTAR</i> spectrum of the ultra-bright Z source Scorpius X-1. <i>Astronomy and Astrophysics</i> , 2021, 654, A102.	5.1	4
9	INTEGRAL reloaded: Spacecraft, instruments and ground system. <i>New Astronomy Reviews</i> , 2021, 93, 101629.	12.8	17
10	Simultaneous X-ray and radio observations of the transitional millisecond pulsar candidate CXOU J110926.4-650224. <i>Astronomy and Astrophysics</i> , 2021, 655, A52.	5.1	7
11	The Galactic LMXB Population and the Galactic Centre Region. <i>New Astronomy Reviews</i> , 2020, 88, 101536.	12.8	17
12	The INTEGRAL view of the pulsating hard X-ray sky: from accreting and transitional millisecond pulsars to rotation-powered pulsars and magnetars. <i>New Astronomy Reviews</i> , 2020, 91, 101544.	12.8	8
13	The giant outburst of 4U 0115+634 in 2011 with <i>Suzaku</i> and RXTE. <i>Astronomy and Astrophysics</i> , 2020, 634, A99.	5.1	7
14	The Lowest-frequency Fast Radio Bursts: Sardinia Radio Telescope Detection of the Periodic FRB 180916 at 328 MHz. <i>Astrophysical Journal Letters</i> , 2020, 896, L40.	8.3	65
15	INTEGRAL Discovery of a Burst with Associated Radio Emission from the Magnetar SGR 1935+2154. <i>Astrophysical Journal Letters</i> , 2020, 898, L29.	8.3	227
16	Monitoring clumpy wind accretion in supergiant fast-X-ray transients with <i>XMM-Newton</i> . <i>Astronomy and Astrophysics</i> , 2020, 642, A73.	5.1	8
17	INTEGRAL search for GW counterparts and the GRB170817A/GW170817 detection. <i>Rendiconti Lincei</i> , 2019, 30, 65-70.	2.2	4
18	New insights on the puzzling LMXB 1RXS J180408.9-342058: the intermediate state, the clocked type-I X-ray bursts, and much more. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2300-2314.	4.4	19

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19	Probing Clumpy Wind Accretion in IGR J18027-2016 with XMM-Newton. <i>Astrophysical Journal</i> , 2019, 883, 116.	4.5	9
20	Pulsating in Unison at Optical and X-Ray Energies: Simultaneous High Time Resolution Observations of the Transitional Millisecond Pulsar PSR J1023+0038. <i>Astrophysical Journal</i> , 2019, 882, 104.	4.5	39
21	Prolonged sub-luminous state of the new transitional pulsar candidate CXOU J110926.4âˆ“650224. <i>Astronomy and Astrophysics</i> , 2019, 622, A211.	5.1	24
22	An Embedded X-Ray Source Shines through the Aspherical AT2018cow: Revealing the Inner Workings of the Most Luminous Fast-evolving Optical Transients. <i>Astrophysical Journal</i> , 2019, 872, 18.	4.5	160
23	Advances in Understanding High-Mass X-ray Binaries with INTEGRAL and Future Directions. <i>New Astronomy Reviews</i> , 2019, 86, 101546.	12.8	43
24	IGR J17503âˆ“2636: a candidate supergiant fast X-ray transient. <i>Astronomy and Astrophysics</i> , 2019, 624, A142.	5.1	5
25	Atomic data and spectral modeling constraints from high-resolution X-ray observations of the Perseus cluster with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	46
26	Detection of polarized gamma-ray emission from the Crab nebula with the Hitomi Soft Gamma-ray Detector. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	21
27	<i>NuSTAR</i> and NICER reveal IGR J17591âˆ“2342 as a new accreting millisecond X-ray pulsar. <i>Astronomy and Astrophysics</i> , 2018, 617, L8.	5.1	27
28	Discovery of 105 Hz coherent pulsations in the ultracompact binary IGR J16597âˆ“3704. <i>Astronomy and Astrophysics</i> , 2018, 610, L2.	5.1	35
29	Search for thermal X-ray features from the Crab nebula with the Hitomi soft X-ray spectrometer. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
30	Hitomi observations of the LMC SNR Nâˆ“132âˆ“D: Highly redshifted X-ray emission from iron ejecta. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	5
31	Glimpse of the highly obscured HMXB IGRâˆ“J16318âˆ“4848 with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	4
32	SWIFT J1756.9âˆ“2508: spectral and timing properties of its 2018 outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1658-1666.	4.4	16
33	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
34	<i>XMM-Newton</i> detection of the 2.1 ms coherent pulsations from IGR J17379âˆ“3747. <i>Astronomy and Astrophysics</i> , 2018, 616, L17.	5.1	21
35	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	29
36	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	57

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37	Hitomi observation of radio galaxy NGC 1275: The first X-ray microcalorimeter spectroscopy of Fe-K α line emission from an active galactic nucleus. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	27
38	Temperature structure in the Perseus cluster core observed with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	20
39	Hitomi X-ray observation of the pulsar wind nebula G21.5 α -0.9. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	8
40	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
41	IGR J17329-2731: The birth of a symbiotic X-ray binary. Astronomy and Astrophysics, 2018, 613, A22.	5.1	21
42	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. Astrophysical Journal Letters, 2017, 837, L15.	8.3	84
43	Direct probe of the inner accretion flow around the supermassive black hole in NGC 2617. Astronomy and Astrophysics, 2017, 597, A66.	5.1	13
44	Cyclotron resonant scattering feature simulations. Astronomy and Astrophysics, 2017, 597, A3.	5.1	27
45	An elevation of 0.1 light-seconds for the optical jet base in an accreting Galactic black hole system. Nature Astronomy, 2017, 1, 859-864.	10.1	59
46	The 2015 outburst of the accretion-powered pulsar IGR J00291+5934: INTEGRAL and <i>Swift</i> observations. Astronomy and Astrophysics, 2017, 599, A88.	5.1	22
47	INTEGRAL Detection of the First Prompt Gamma-Ray Signal Coincident with the Gravitational-wave Event GW170817. Astrophysical Journal Letters, 2017, 848, L15.	8.3	647
48	INTEGRAL Observations of GW170104. Astrophysical Journal Letters, 2017, 846, L23.	8.3	12
49	Discovery of a new accreting millisecond X-ray pulsar in the globular cluster NGC 2808. Astronomy and Astrophysics, 2017, 598, A34.	5.1	36
50	<i>XMM-Newton</i> and INTEGRAL view of the hard state of EXO 1745 α -248 during its 2015 outburst. Astronomy and Astrophysics, 2017, 603, A39.	5.1	10
51	The transitional millisecond pulsar IGR J18245-2452 during its 2013 outburst at X-rays and soft gamma-rays. Astronomy and Astrophysics, 2017, 603, A16.	5.1	17
52	Spectral and timing properties of IGR J00291+5934 during its 2015 outburst. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2910-2917.	4.4	29
53	Discovery of a soft X-ray 8 μ s QPO from the accreting millisecond pulsar IGR J00291+5934. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3450-3459.	4.4	15
54	Broad-band characteristics of seven new hard X-ray selected cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4815-4837.	4.4	21

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55	X-Ray Pulsars. , 2017, , 1385-1399.		3
56	Multiband study of RXJ0838.2-2727 and XMM J083850.4-272759: a new asynchronous magnetic cataclysmic variable and a candidate transitional millisecond pulsar. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2902-2916.	4.4	21
57	INTEGRAL IBIS, SPI, and JEM-X observations of LVT151012. Astronomy and Astrophysics, 2017, 603, A46.	5.1	19
58	The accretion environment of supergiant fast X-ray transients probed with XMM-Newton. Astronomy and Astrophysics, 2017, 608, A128.	5.1	15
59	Cyclotron resonant scattering feature simulations. Astronomy and Astrophysics, 2017, 601, A99.	5.1	29
60	RT Crucis: a look into the X-ray emission of a peculiar symbiotic star. Astronomy and Astrophysics, 2016, 592, A58.	5.1	8
61	The quiescent intracluster medium in the core of the Perseus cluster. Nature, 2016, 535, 117-121.	27.8	348
62	Glancing through the accretion column of EXO 2030+375. Astronomy and Astrophysics, 2016, 593, A105.	5.1	10
63	The 2015 outburst of the accreting millisecond pulsar IGR J17511-3057 as seen by INTEGRAL, Swift, and XMM-Newton. Astronomy and Astrophysics, 2016, 596, A71.	5.1	6
64	Two giant outbursts of V0332+53 observed with INTEGRAL. Astronomy and Astrophysics, 2016, 595, A17.	5.1	7
65	A new model for the X-ray continuum of the magnetized accreting pulsars. Astronomy and Astrophysics, 2016, 591, A29.	5.1	48
66	Closer view of the IGR J11014-6103 outflows. Astronomy and Astrophysics, 2016, 591, A91.	5.1	31
67	IGR J17451-3022: A dipping and eclipsing low mass X-ray binary. Astronomy and Astrophysics, 2016, 589, A42.	5.1	13
68	INTEGRAL UPPER LIMITS ON GAMMA-RAY EMISSION ASSOCIATED WITH THE GRAVITATIONAL WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 820, L36.	8.3	94
69	Multi-wavelength observations of IGR J17544-2619 from quiescence to outburst. Astronomy and Astrophysics, 2016, 596, A16.	5.1	14
70	Swift J174540.7-290015: a new accreting binary in the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2688-2701.	4.4	16
71	THE GOODNESS OF SIMULTANEOUS FITS IN ISIS. Acta Polytechnica, 2016, 56, 41.	0.6	8
72	X-Ray Pulsars. , 2016, , 1-15.		0

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73	Properties and observability of glitches and anti-glitches in accreting pulsars. <i>Astronomy and Astrophysics</i> , 2015, 578, A52.	5.1	9
74	A possible cyclotron resonance scattering feature near 0.7 keV in X1822-371. <i>Astronomy and Astrophysics</i> , 2015, 577, A63.	5.1	20
75	Missing hard states and regular outbursts: the puzzling case of the black hole candidate 4U 1630+472. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 3840-3854.	4.4	16
76	SIMULTANEOUS FITS IN ISIS ON THE EXAMPLE OF GRO J1008+57. <i>Acta Polytechnica</i> , 2015, 55, 126-127.	0.6	4
77	Giant outburst from the supergiant fast X-ray transient IGR J17544+2619: accretion from a transient disc?. <i>Astronomy and Astrophysics</i> , 2015, 576, L4.	5.1	38
78	Swift J1734.5-3027: a new long Type-I X-ray bursting source. <i>Astronomy and Astrophysics</i> , 2015, 579, A56.	5.1	12
79	Accretion geometry in the persistent Be/X-ray binary RXJ0440.9+4431. <i>EPJ Web of Conferences</i> , 2014, 64, 06002.	0.3	0
80	A ~100 mHz QPO in the X-ray emission from IGR J17361-4441. <i>Astronomy and Astrophysics</i> , 2014, 570, L2.	5.1	5
81	Formation of phase lags at the cyclotron energies in the pulse profiles of magnetized, accreting neutron stars. <i>Astronomy and Astrophysics</i> , 2014, 564, L8.	5.1	25
82	Swinging between rotation and accretion power in a binary millisecond pulsar. <i>EPJ Web of Conferences</i> , 2014, 64, 01004.	0.3	1
83	Luminosity dependent accretion state change in GRO J1008+57. <i>EPJ Web of Conferences</i> , 2014, 64, 06003.	0.3	3
84	A multi-model approach to X-ray pulsars. <i>EPJ Web of Conferences</i> , 2014, 64, 02003.	0.3	3
85	The long helical jet of the Lighthouse nebula, IGR J11014-6103. <i>Astronomy and Astrophysics</i> , 2014, 562, A122.	5.1	50
86	Hiccup accretion in the swinging pulsar IGR J18245+2452. <i>Astronomy and Astrophysics</i> , 2014, 567, A77.	5.1	46
87	An active state of the BL Lacertae object Markarian 421 detected by INTEGRAL in April 2013. <i>Astronomy and Astrophysics</i> , 2014, 570, A77.	5.1	21
88	INTEGRAL and Swift observations of the hard X-ray transient MAXI J1828-249. <i>Astronomy and Astrophysics</i> , 2014, 563, A124.	5.1	5
89	Swings between rotation and accretion power in a binary millisecond pulsar. <i>Nature</i> , 2013, 501, 517-520.	27.8	355
90	Observations of supergiant fast X-ray transients with LOFT. <i>Advances in Space Research</i> , 2013, 51, 1593-1599.	2.6	16

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91	A DOUBLE-PEAKED OUTBURST OF A 0535+26 OBSERVED WITH <i>INTEGRAL</i> , <i>RXTE</i> , AND <i>SUZAKU</i> . <i>Astrophysical Journal Letters</i> , 2013, 764, L23.	8.3	30
92	GRO J1008 [~] 57: an (almost) predictable transient X-ray binary. <i>Astronomy and Astrophysics</i> , 2013, 555, A95.	5.1	35
93	No anticorrelation between cyclotron line energy and X-ray flux in 4U0115+634. <i>Astronomy and Astrophysics</i> , 2013, 551, A6.	5.1	63
94	<i>XMM-Newton</i> and <i>Swift</i> observations of XTE J1743-363. <i>Astronomy and Astrophysics</i> , 2013, 556, A30.	5.1	18
95	<i>CHANDRA</i> , KECK, AND VLA OBSERVATIONS OF THE CRAB NEBULA DURING THE 2011-APRIL GAMMA-RAY FLARE. <i>Astrophysical Journal</i> , 2013, 765, 56.	4.5	40
96	RX J0440.9 ⁺ 4431: a persistent Be/X-ray binary in outburst. <i>Astronomy and Astrophysics</i> , 2013, 553, A103.	5.1	28
97	Analysing X-ray pulsar profiles. <i>Astronomy and Astrophysics</i> , 2012, 540, A35.	5.1	24
98	The first outburst of the black-hole candidate MAXI J1836 [~] 194 observed by <i>INTEGRAL</i> , <i>Swift</i> , and <i>RXTE</i> . <i>Astronomy and Astrophysics</i> , 2012, 537, L7.	5.1	31
99	IGR J18179-1621: an obscured X-ray pulsar discovered by <i>INTEGRAL</i> . <i>Astronomy and Astrophysics</i> , 2012, 545, A83.	5.1	7
100	Spectral formation in accreting X-ray pulsars: bimodal variation of the cyclotron energy with luminosity. <i>Astronomy and Astrophysics</i> , 2012, 544, A123.	5.1	204
101	The reawakening of the sleeping X-ray pulsar XTE J1946+274. <i>Astronomy and Astrophysics</i> , 2012, 546, A125.	5.1	23
102	The peculiar 2011 outburst of the black hole candidate IGR J17091 [~] 3624, a GRS 1915+105-like source?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 3130-3141.	4.4	25
103	The pulse profile and spin evolution of the accreting pulsar in Terzan 5, IGR J17480 [~] 2446, during its 2010 outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1178-1193.	4.4	16
104	The complex behaviour of the microquasar GRS 1915+105 in the <i>IX</i> class observed with <i>BeppoSAX</i> . <i>Astronomy and Astrophysics</i> , 2012, 537, A18.	5.1	24
105	<i>XMM-Newton</i> observations of four high mass X-ray binaries and IGR J17348 [~] 2045. <i>Astronomy and Astrophysics</i> , 2012, 544, A118.	5.1	25
106	Outburst of GX 304 [~] 1 monitored with <i>INTEGRAL</i> : positive correlation between the cyclotron line energy and flux. <i>Astronomy and Astrophysics</i> , 2012, 542, L28.	5.1	64
107	Discovery of Powerful Gamma-Ray Flares from the Crab Nebula. <i>Science</i> , 2011, 331, 736-739.	12.6	290
108	<i>INTEGRAL</i> and <i>Swift</i> observations of IGR J19294+1816 in outburst. <i>Astronomy and Astrophysics</i> , 2011, 531, A65.	5.1	8

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109	IGRâ€™J11014-6103: a newly discovered pulsar wind nebula?. <i>Astronomy and Astrophysics</i> , 2011, 533, A74.	5.1	16
110	INTEGRAL,Swift, andRXTEobservations of the 518ÅHz accreting transient pulsar Swiftâ€™J1749.4âˆ’2807. <i>Astronomy and Astrophysics</i> , 2011, 525, A48.	5.1	26
111	<i>XMM-Newton</i> observations of IGRâ€™J18410-0535: the ingestion of a clump by a supergiant fast X-ray transient. <i>Astronomy and Astrophysics</i> , 2011, 531, A130.	5.1	46
112	Quasi-periodic flares in EXOâ€™2030+375 observed with INTEGRAL. <i>Astronomy and Astrophysics</i> , 2011, 536, L8.	5.1	11
113	IGRâ€™J17361-4441: a possible new accreting X-ray binary inÂˆNGCÂˆ6388. <i>Astronomy and Astrophysics</i> , 2011, 535, L1.	5.1	27
114	4Uâ€™0115âˆ’âˆ’63: phase lags and cyclotron resonant scattering. <i>Astronomy and Astrophysics</i> , 2011, 532, A76.	5.1	46
115	AXJ1910.7+0917 and three newly discovered<i>INTEGRAL</i>sources. <i>Astronomy and Astrophysics</i> , 2011, 526, A122.	5.1	13
116	Pulse-amplitude-resolved spectroscopy of bright accreting pulsars: indication of two accretion regimes. <i>Astronomy and Astrophysics</i> , 2011, 532, A126.	5.1	65
117	Study of the many fluorescent lines and the absorption variability in CXÂˆ301âˆ’2 with<i>XMM-Newton</i>. <i>Astronomy and Astrophysics</i> , 2011, 535, A9.	5.1	36
118	Swift monitoring of the new accreting millisecond X-ray pulsar IGRâ€™J17511-3057 in outburst. <i>Astronomy and Astrophysics</i> , 2010, 509, L3.	5.1	10
119	The Palermo<i>Swift</i>-BAT hard X-ray catalogue. <i>Astronomy and Astrophysics</i> , 2010, 524, A64.	5.1	149
120	The supergiant fast X-ray transients XTEâ€™J1739-302 and IGRâ€™J08408-4503 in quiescence with<i>XMM-Newton</i>. <i>Astronomy and Astrophysics</i> , 2010, 519, A6.	5.1	37
121	The Palermo<i>Swift</i>-BAT hard X-ray catalogue. <i>Astronomy and Astrophysics</i> , 2010, 510, A47.	5.1	74
122	Study of the accreting pulsar 4UÂˆ0115+63 using a bulk and thermal Comptonization model. <i>Astronomy and Astrophysics</i> , 2009, 498, 825-836.	5.1	87
123	Giant outburst of EXO 2030+375: pulse-phase resolved analysis of <i>INTEGRAL</i> data. <i>Astronomy and Astrophysics</i> , 2008, 491, 833-840.	5.1	37
124	High variability in VelaÂˆX-1: giant flares and off states. <i>Astronomy and Astrophysics</i> , 2008, 492, 511-525.	5.1	99
125	<i>INTEGRAL</i> observations of the variability of OAO 1657-415. <i>Astronomy and Astrophysics</i> , 2008, 486, 293-302.	5.1	28
126	INTEGRAL observation of the accreting pulsar GXÂˆ1+4. <i>Astronomy and Astrophysics</i> , 2007, 462, 995-1005.	5.1	40

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127	Aâ€‰%0535+26 in the August/September 2005 outburst observed by RXTE and INTEGRAL. <i>Astronomy and Astrophysics</i> , 2007, 465, L21-L24.	5.1	62
128	INTEGRAL and Swift observations of EXO 2030+375 during a giant outburst. <i>Astronomy and Astrophysics</i> , 2007, 464, L45-L48.	5.1	28