

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	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	12.6	654
2	INTEGRAL Detection of the First Prompt Gamma-Ray Signal Coincident with the Gravitational-wave Event GW170817. <i>Astrophysical Journal Letters</i> , 2017, 848, L15.	8.3	647
3	Swings between rotation and accretion power in a binary millisecond pulsar. <i>Nature</i> , 2013, 501, 517-520.	27.8	355
4	The quiescent intracluster medium in the core of the Perseus cluster. <i>Nature</i> , 2016, 535, 117-121.	27.8	348
5	Discovery of Powerful Gamma-Ray Flares from the Crab Nebula. <i>Science</i> , 2011, 331, 736-739.	12.6	290
6	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
7	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
8	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
9	The Palermo <i>Swift</i> -BAT hard X-ray catalogue. <i>Astronomy and Astrophysics</i> , 2010, 524, A64.	5.1	149
10	High variability in Vela X-1: giant flares and off states. <i>Astronomy and Astrophysics</i> , 2008, 492, 511-525.	5.1	99
11	INTEGRAL UPPER LIMITS ON GAMMA-RAY EMISSION ASSOCIATED WITH THE GRAVITATIONAL WAVE EVENT CW150914. <i>Astrophysical Journal Letters</i> , 2016, 820, L36.	8.3	94
12	Study of the accreting pulsar 4U0115+63 using a bulk and thermal Comptonization model. <i>Astronomy and Astrophysics</i> , 2009, 498, 825-836.	5.1	87
13	Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster. <i>Astrophysical Journal Letters</i> , 2017, 837, L15.	8.3	84
14	The Palermo <i>Swift</i> -BAT hard X-ray catalogue. <i>Astronomy and Astrophysics</i> , 2010, 510, A47.	5.1	74
15	Pulse-amplitude-resolved spectroscopy of bright accreting pulsars: indication of two accretion regimes. <i>Astronomy and Astrophysics</i> , 2011, 532, A126.	5.1	65
16	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
17	Outburst of GX304-1 monitored with INTEGRAL: positive correlation between the cyclotron line energy and flux. <i>Astronomy and Astrophysics</i> , 2012, 542, L28.	5.1	64
18	No anticorrelation between cyclotron line energy and X-ray flux in 4U0115+634. <i>Astronomy and Astrophysics</i> , 2013, 551, A6.	5.1	63

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19	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
20	An elevation of 0.1 light-seconds for the optical jet base in an accreting Galactic black hole system. <i>Nature Astronomy</i> , 2017, 1, 859-864.	10.1	59
21	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	57
22	The long helical jet of the Lighthouse nebula, IGR J11014-6103. <i>Astronomy and Astrophysics</i> , 2014, 562, A122.	5.1	50
23	A bright \hat{I}^3 -ray flare interpreted as a giant magnetar flare in NGCâˆ253. <i>Nature</i> , 2021, 589, 211-213.	27.8	49
24	A new model for the X-ray continuum of the magnetized accreting pulsars. <i>Astronomy and Astrophysics</i> , 2016, 591, A29.	5.1	48
25	<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
26	4Uâ‰0115â+â63: phase lags and cyclotron resonant scattering. <i>Astronomy and Astrophysics</i> , 2011, 532, A76.	5.1	46
27	Hiccup accretion in the swinging pulsar IGRâ‰J18245â€2452. <i>Astronomy and Astrophysics</i> , 2014, 567, A77.	5.1	46
28	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
29	Advances in Understanding High-Mass X-ray Binaries with INTEGRAL and Future Directions. <i>New Astronomy Reviews</i> , 2019, 86, 101546.	12.8	43
30	INTEGRAL observation of the accreting pulsar GXâ1+4. <i>Astronomy and Astrophysics</i> , 2007, 462, 995-1005.	5.1	40
31	<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
32	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
33	Giant outburst from the supergiant fast X-ray transient IGR J17544âˆ2619: accretion from a transient disc?. <i>Astronomy and Astrophysics</i> , 2015, 576, L4.	5.1	38
34	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
35	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
36	Discovery of a new accreting millisecond X-ray pulsar in the globular cluster NGC 2808. <i>Astronomy and Astrophysics</i> , 2017, 598, A34.	5.1	36

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37	Study of the many fluorescent lines and the absorption variability in GX 301+2 with XMM-Newton. <i>Astronomy and Astrophysics</i> , 2011, 535, A9.	5.1	36
38	GRO J1008+57: an (almost) predictable transient X-ray binary. <i>Astronomy and Astrophysics</i> , 2013, 555, A95.	5.1	35
39	Discovery of 105 Hz coherent pulsations in the ultracompact binary IGR J16597+3704. <i>Astronomy and Astrophysics</i> , 2018, 610, L2.	5.1	35
40	The first outburst of the black-hole candidate MAXI J1836+194 observed by INTEGRAL, Swift, and RXTE. <i>Astronomy and Astrophysics</i> , 2012, 537, L7.	5.1	31
41	Closer view of the IGR J11014-6103 outflows. <i>Astronomy and Astrophysics</i> , 2016, 591, A91.	5.1	31
42	A DOUBLE-PEAKED OUTBURST OF A 0535+26 OBSERVED WITH INTEGRAL, RXTE, AND SUZAKU. <i>Astrophysical Journal Letters</i> , 2013, 764, L23.	8.3	30
43	Spectral and timing properties of IGR J00291+5934 during its 2015 outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2910-2917.	4.4	29
44	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
45	Cyclotron resonant scattering feature simulations. <i>Astronomy and Astrophysics</i> , 2017, 601, A99.	5.1	29
46	RX J0440.9+4431: a persistent Be/X-ray binary in outburst. <i>Astronomy and Astrophysics</i> , 2013, 553, A103.	5.1	28
47	INTEGRAL and Swift observations of EXO 2030+375 during a giant outburst. <i>Astronomy and Astrophysics</i> , 2007, 464, L45-L48.	5.1	28
48	INTEGRAL observations of the variability of OAO 1657-415. <i>Astronomy and Astrophysics</i> , 2008, 486, 293-302.	5.1	28
49	IGR J17361-4441: a possible new accreting X-ray binary in NGC 6388. <i>Astronomy and Astrophysics</i> , 2011, 535, L1.	5.1	27
50	Cyclotron resonant scattering feature simulations. <i>Astronomy and Astrophysics</i> , 2017, 597, A3.	5.1	27
51	NuSTAR and NICER reveal IGR J17591+2342 as a new accreting millisecond X-ray pulsar. <i>Astronomy and Astrophysics</i> , 2018, 617, L8.	5.1	27
52	Hitomi observation of radio galaxy NGC 1275: The first X-ray microcalorimeter spectroscopy of Fe-K \pm line emission from an active galactic nucleus. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	27
53	INTEGRAL, Swift, and RXTE observations of the 518 Hz accreting transient pulsar Swift J1749.4+2807. <i>Astronomy and Astrophysics</i> , 2011, 525, A48.	5.1	26
54	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

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55	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
56	<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
57	Analysing X-ray pulsar profiles. <i>Astronomy and Astrophysics</i> , 2012, 540, A35.	5.1	24
58	Prolonged sub-luminous state of the new transitional pulsar candidate CXOU J110926.4+650224. <i>Astronomy and Astrophysics</i> , 2019, 622, A211.	5.1	24
59	The complex behaviour of the microquasar GRS 1915+105 in the <i>X</i> -class observed with <i>BeppoSAX</i> . <i>Astronomy and Astrophysics</i> , 2012, 537, A18.	5.1	24
60	The reawakening of the sleeping X-ray pulsar XTE J1946+274. <i>Astronomy and Astrophysics</i> , 2012, 546, A125.	5.1	23
61	The 2015 outburst of the accretion-powered pulsar IGR J00291+5934: INTEGRAL and <i>Swift</i> observations. <i>Astronomy and Astrophysics</i> , 2017, 599, A88.	5.1	22
62	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
63	Broad-band characteristics of seven new hard X-ray selected cataclysmic variables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4815-4837.	4.4	21
64	Multiband study of RX J0838+2827 and XMM J083850.4+282759: a new asynchronous magnetic cataclysmic variable and a candidate transitional millisecond pulsar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2902-2916.	4.4	21
65	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
66	<i>XMM-Newton</i> detection of the 2.1 ms coherent pulsations from IGR J17379+3747. <i>Astronomy and Astrophysics</i> , 2018, 616, L17.	5.1	21
67	IGR J17329-2731: The birth of a symbiotic X-ray binary. <i>Astronomy and Astrophysics</i> , 2018, 613, A22.	5.1	21
68	A possible cyclotron resonance scattering feature near 0.7 keV in X1822-371. <i>Astronomy and Astrophysics</i> , 2015, 577, A63.	5.1	20
69	Temperature structure in the Perseus cluster core observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	20
70	INTEGRAL IBIS, SPI, and JEM-X observations of LVT151012. <i>Astronomy and Astrophysics</i> , 2017, 603, A46.	5.1	19
71	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
72	<i>XMM-Newton</i> and <i>Swift</i> observations of XTE J1743-363. <i>Astronomy and Astrophysics</i> , 2013, 556, A30.	5.1	18

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73	The transitional millisecond pulsar IGR J18245-2452 during its 2013 outburst at X-rays and soft gamma-rays. <i>Astronomy and Astrophysics</i> , 2017, 603, A16.	5.1	17
74	The Galactic LMXB Population and the Galactic Centre Region. <i>New Astronomy Reviews</i> , 2020, 88, 101536.	12.8	17
75	INTEGRAL reloaded: Spacecraft, instruments and ground system. <i>New Astronomy Reviews</i> , 2021, 93, 101629.	12.8	17
76	IGR J11014-6103: a newly discovered pulsar wind nebula?. <i>Astronomy and Astrophysics</i> , 2011, 533, A74.	5.1	16
77	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
78	Observations of supergiant fast X-ray transients with LOFT. <i>Advances in Space Research</i> , 2013, 51, 1593-1599.	2.6	16
79	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
80	Swift J174540.7+290015: a new accreting binary in the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2688-2701.	4.4	16
81	SWIFT J1756.9+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
82	Discovery of a soft X-ray 8 Hz QPO from the accreting millisecond pulsar IGR J00291+5934. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3450-3459.	4.4	15
83	The accretion environment of supergiant fast X-ray transients probed with <i>XMM-Newton</i> . <i>Astronomy and Astrophysics</i> , 2017, 608, A128.	5.1	15
84	Multi-wavelength observations of IGR J17544-2619 from quiescence to outburst. <i>Astronomy and Astrophysics</i> , 2016, 596, A16.	5.1	14
85	AX J1910.7+0917 and three newly discovered INTEGRAL sources. <i>Astronomy and Astrophysics</i> , 2011, 526, A122.	5.1	13
86	IGR J17451+3022: A dipping and eclipsing low mass X-ray binary. <i>Astronomy and Astrophysics</i> , 2016, 589, A42.	5.1	13
87	Direct probe of the inner accretion flow around the supermassive black hole in NGC 2617. <i>Astronomy and Astrophysics</i> , 2017, 597, A66.	5.1	13
88	INTEGRAL Observations of GW170104. <i>Astrophysical Journal Letters</i> , 2017, 846, L23.	8.3	12
89	Swift J1734.5-3027: a new long Type-I X-ray bursting source. <i>Astronomy and Astrophysics</i> , 2015, 579, A56.	5.1	12
90	Quasi-periodic flares in EXO 2030+375 observed with INTEGRAL. <i>Astronomy and Astrophysics</i> , 2011, 536, L8.	5.1	11

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91	Swift monitoring of the new accreting millisecond X-ray pulsar IGR J17511-3057 in outburst. <i>Astronomy and Astrophysics</i> , 2010, 509, L3.	5.1	10
92	Glancing through the accretion column of EXO 2030+375. <i>Astronomy and Astrophysics</i> , 2016, 593, A105.	5.1	10
93	XMM-Newton and INTEGRAL view of the hard state of EXO 1745-248 during its 2015 outburst. <i>Astronomy and Astrophysics</i> , 2017, 603, A39.	5.1	10
94	Properties and observability of glitches and anti-glitches in accreting pulsars. <i>Astronomy and Astrophysics</i> , 2015, 578, A52.	5.1	9
95	Probing Clumpy Wind Accretion in IGR J18027-2016 with XMM-Newton. <i>Astrophysical Journal</i> , 2019, 883, 116.	4.5	9
96	INTEGRAL and Swift observations of IGR J19294+1816 in outburst. <i>Astronomy and Astrophysics</i> , 2011, 531, A65.	5.1	8
97	RT Crucis: a look into the X-ray emission of a peculiar symbiotic star. <i>Astronomy and Astrophysics</i> , 2016, 592, A58.	5.1	8
98	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
99	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
100	Hitomi X-ray observation of the pulsar wind nebula G21.5+0.9. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	8
101	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
102	THE GOODNESS OF SIMULTANEOUS FITS IN ISIS. <i>Acta Polytechnica</i> , 2016, 56, 41.	0.6	8
103	Monitoring clumpy wind accretion in supergiant fast-X-ray transients with XMM-Newton. <i>Astronomy and Astrophysics</i> , 2020, 642, A73.	5.1	8
104	IGR J18179-1621: an obscured X-ray pulsar discovered by INTEGRAL. <i>Astronomy and Astrophysics</i> , 2012, 545, A83.	5.1	7
105	Two giant outbursts of V0332+53 observed with INTEGRAL. <i>Astronomy and Astrophysics</i> , 2016, 595, A17.	5.1	7
106	The giant outburst of 4U 0115+634 in 2011 with Suzaku and RXTE. <i>Astronomy and Astrophysics</i> , 2020, 634, A99.	5.1	7
107	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
108	The 2015 outburst of the accreting millisecond pulsar IGR J17511-3057 as seen by INTEGRAL, Swift, and XMM-Newton. <i>Astronomy and Astrophysics</i> , 2016, 596, A71.	5.1	6

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109	Multi-messenger astronomy with INTEGRAL. <i>New Astronomy Reviews</i> , 2021, 92, 101595.	12.8	6
110	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
111	A ~100 mHz QPO in the X-ray emission from IGR J17361-4441. <i>Astronomy and Astrophysics</i> , 2014, 570, L2.	5.1	5
112	Hitomi observations of the LMC SNR N132D: Highly redshifted X-ray emission from iron ejecta. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	5
113	IGR J17503-2636: a candidate supergiant fast X-ray transient. <i>Astronomy and Astrophysics</i> , 2019, 624, A142.	5.1	5
114	INTEGRAL and Swift observations of the hard X-ray transient MAXI J1828-249. <i>Astronomy and Astrophysics</i> , 2014, 563, A124.	5.1	5
115	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
116	SIMULTANEOUS FITS IN ISIS ON THE EXAMPLE OF GRO J1008-57. <i>Acta Polytechnica</i> , 2015, 55, 126-127.	0.6	4
117	Glimpse of the highly obscured HMXB IGR J16318+4848 with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	4
118	INTEGRAL search for GW counterparts and the GRB170817A/GW170817 detection. <i>Rendiconti Lincei</i> , 2019, 30, 65-70.	2.2	4
119	Fe K α and Fe K β 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
120	Luminosity dependent accretion state change in GRO J1008-57. <i>EPJ Web of Conferences</i> , 2014, 64, 06003.	0.3	3
121	A multi-model approach to X-ray pulsars. <i>EPJ Web of Conferences</i> , 2014, 64, 02003.	0.3	3
122	X-Ray Pulsars. , 2017, , 1385-1399.		3
123	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
124	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
125	Swinging between rotation and accretion power in a binary millisecond pulsar. <i>EPJ Web of Conferences</i> , 2014, 64, 01004.	0.3	1
126	Accretion geometry in the persistent Be/X-ray binary RXJ0440.9+4431. <i>EPJ Web of Conferences</i> , 2014, 64, 06002.	0.3	0

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127	PHEMTO: the polarimetric high energy modular telescope observatory. <i>Experimental Astronomy</i> , 2021, 51, 1143-1173.	3.7	0
128	X-Ray Pulsars. , 2016, , 1-15.		0