

Francesco Coti Zelati

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,212
citations

361413

20
h-index

395702

33
g-index

57
all docs

57
docs citations

57
times ranked

1886
citing authors

#	ARTICLE	IF	CITATIONS
1	eXTP: Enhanced X-ray Timing and Polarization mission. Proceedings of SPIE, 2016, , .	0.8	106
2	The discovery, monitoring and environment of SGR J1935+2154. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3448-3456.	4.4	98
3	Systematic study of magnetar outbursts. Monthly Notices of the Royal Astronomical Society, 2018, 474, 961-1017.	4.4	98
4	MAGNETAR-LIKE ACTIVITY FROM THE CENTRAL COMPACT OBJECT IN THE SNR RCW103. Astrophysical Journal Letters, 2016, 828, L13.	8.3	74
5	Engulfing a radio pulsar: the case of PSR J1023+0038. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1783-1792.	4.4	49
6	The X-ray outburst of the Galactic Centre magnetar SGR J1745+2900 during the first 1.5 years. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2685-2699.	4.4	45
7	Pulsating in Unison at Optical and X-Ray Energies: Simultaneous High Time Resolution Observations of the Transitional Millisecond Pulsar PSR J1023+0038. Astrophysical Journal, 2019, 882, 104.	4.5	39
8	Mining the Aql X-1 long-term X-ray light curve. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1695-1700.	4.4	38
9	Chandra Spectral and Timing Analysis of Sgr A*'s Brightest X-Ray Flares. Astrophysical Journal, 2019, 886, 96.	4.5	36
10	A Very Young Radio-loud Magnetar. Astrophysical Journal Letters, 2020, 896, L30.	8.3	36
11	A physical scenario for the high and low X-ray luminosity states in the transitional pulsar PSR J1023+0038. Astronomy and Astrophysics, 2016, 594, A31.	5.1	33
12	DISCOVERY OF A STRONGLY PHASE-VARIABLE SPECTRAL FEATURE IN THE ISOLATED NEUTRON STAR RX J0720.4-3125. Astrophysical Journal Letters, 2015, 807, L20.	8.3	32
13	SIMULTANEOUS MULTI-BAND RADIO AND X-RAY OBSERVATIONS OF THE GALACTIC CENTER MAGNETAR SGR 1745+2900. Astrophysical Journal, 2015, 808, 81.	4.5	29
14	A year in the life of the low-mass X-ray transient Aql X-1. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2634-2641.	4.4	28
15	Chandra monitoring of the Galactic Centre magnetar SGR J1745+2900 during the initial 3.5 years of outburst decay. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1819-1829.	4.4	28
16	Narrow phase-dependent features in X-ray dim isolated neutron stars: a new detection and upper limits. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2975-2983.	4.4	28
17	The variable spin-down rate of the transient magnetar XTE J1810+197. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2088-2093.	4.4	24
18	Prolonged sub-luminous state of the new transitional pulsar candidate CXOU J110926.4-650224. Astronomy and Astrophysics, 2019, 622, A211.	5.1	24

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19	The X-Ray Reactivation of the Radio Bursting Magnetar SGR J1935+2154. <i>Astrophysical Journal Letters</i> , 2020, 902, L2.	8.3	22
20	Multiband study of RX J0838.2-2827 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
21	Different twins in the millisecond pulsar recycling scenario: Optical polarimetry of PSR J1023+0038 and XSS J12270-4859. <i>Astronomy and Astrophysics</i> , 2016, 591, A101.	5.1	20
22	A Wildly Flickering Jet in the Black Hole X-Ray Binary MAXI J1535-571. <i>Astrophysical Journal</i> , 2018, 867, 114.	4.5	20
23	Synchrocurvature modelling of the multifrequency non-thermal emission of pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5494-5512.	4.4	18
24	The First Continuous Optical Monitoring of the Transitional Millisecond Pulsar PSR J1023+0038 with Kepler. <i>Astrophysical Journal Letters</i> , 2018, 858, L12.	8.3	17
25	Physics and astrophysics of strong magnetic field systems with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	17
26	XIPE: the x-ray imaging polarimetry explorer. , 2016, , .		16
27	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
28	Simultaneous broadband observations and high-resolution X-ray spectroscopy of the transitional millisecond pulsar PSR J1023+0038. <i>Astronomy and Astrophysics</i> , 2018, 611, A14.	5.1	15
29	Optical and ultraviolet pulsed emission from an accreting millisecond pulsar. <i>Nature Astronomy</i> , 2021, 5, 552-559.	10.1	15
30	The New Magnetar SGR J1830-0645 in Outburst. <i>Astrophysical Journal Letters</i> , 2021, 907, L34.	8.3	14
31	Probing X-ray emission in different modes of PSR J1023+0038 with a radio pulsar scenario. <i>Astronomy and Astrophysics</i> , 2019, 629, L8.	5.1	13
32	Spectral characterization of the non-thermal X-ray emission of gamma-ray pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1025-1043.	4.4	12
33	The long-term enhanced brightness of the magnetar 1E 1547.0-5408. <i>Astronomy and Astrophysics</i> , 2020, 633, A31.	5.1	12
34	Gazing at the ultraslow magnetar in RCW 103 with NuSTAR and Swift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 741-748.	4.4	10
35	Long X-ray flares from the central source in RCW 103. <i>Astronomy and Astrophysics</i> , 2019, 626, A19.	5.1	9
36	Peering at the outflow mechanisms in the transitional pulsar PSR J1023+0038: simultaneous VLT, XMM-Newton, and Swift high-time resolution observations. <i>Astronomy and Astrophysics</i> , 2019, 631, A104.	5.1	9

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37	NuSTAR and Parkes observations of the transitional millisecond pulsar binary XSS J12270-4859 in the rotation-powered state. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5607-5619.	4.4	9
38	Towards observing reverberating and superefficient pulsar wind nebulae. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1019-1033.	4.4	8
39	Detailed X-ray spectroscopy of the magnetar 1E 2259+586. Astronomy and Astrophysics, 2019, 626, A39.	5.1	8
40	The INTEGRAL view of the pulsating hard X-ray sky: from accreting and transitional millisecond pulsars to rotation-powered pulsars and magnetars. New Astronomy Reviews, 2020, 91, 101544.	12.8	8
41	The X-ray evolution and geometry of the 2018 outburst of XTE J1810-197. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5244-5257.	4.4	8
42	The X-Ray Outburst of the Galactic Center Magnetar over Six Years of Chandra Observations. Astrophysical Journal, 2020, 894, 159.	4.5	8
43	Multiwavelength study of RX J2015.6+3711: a magnetic cataclysmic variable with a 2-h spin period. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1913-1923.	4.4	7
44	Theoretically Motivated Search and Detection of Non-thermal Pulsations from PSRs J1747-2958, J2021+3651, and J1826-1256. Astrophysical Journal Letters, 2018, 868, L29.	8.3	7
45	The multi-outburst activity of the magnetar in Westerlund A. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2931-2943.	4.4	7
46	Simultaneous X-ray and radio observations of the transitional millisecond pulsar candidate CXOU J110926.4-650224. Astronomy and Astrophysics, 2021, 655, A52.	5.1	7
47	Evidence of intra-binary shock emission from the redback pulsar PSR J1048+2339. Astronomy and Astrophysics, 2021, 649, A120.	5.1	5
48	Multi-band observations of Swift J0840.7-3516: A new transient ultra-compact X-ray binary candidate. Astronomy and Astrophysics, 2021, 650, A69.	5.1	5
49	UV and X-ray pulse amplitude variability in the transitional millisecond pulsar PSR J1023+0038. Astronomy and Astrophysics, 0, , .	5.1	2
50	Systematic study of magnetar outbursts. Journal of Physics: Conference Series, 2017, 932, 012022.	0.4	1
51	X-ray Dim Isolated Neutron Stars and phase-dependent absorption features. Proceedings of the International Astronomical Union, 2017, 13, 315-316.	0.0	0
52	Phase-dependent absorption features in X-ray spectra of X-ray Dim Isolated Neutron Stars. Journal of Physics: Conference Series, 2017, 932, 012007.	0.4	0
53	Systematic study of magnetar outbursts. Proceedings of the International Astronomical Union, 2017, 13, 326-327.	0.0	0
54	The Puzzling Source at the Center of the SNR RCW 103. Proceedings of the International Astronomical Union, 2017, 13, 104-107.	0.0	0

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55	The X-ray outburst of the Galactic Centre magnetar as monitored by Chandra and XMM-Newton. , 2015, , ·		0
56	The X-ray outburst of the Galactic Centre magnetar during the first 1.5 year. , 2017, , .		0