

Costanza Argiroffi

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,169
citations

279798

23
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

1013
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-stationary dynamo and magnetospheric accretion processes of the classical T Tauri star V2129 Ophi. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2454-2468.	4.4	95
2	X-ray emission from MP Muscae: an old classical T Tauri star. Astronomy and Astrophysics, 2007, 465, L5-L8.	5.1	78
3	A stellar flare coronal mass ejection event revealed by X-ray plasma motions. Nature Astronomy, 2019, 3, 742-748.	10.1	72
4	The close classical T Tauri binary V4046 Sgr: complex magnetic fields and distributed mass accretion. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1747-1759.	4.4	63
5	X-ray emitting MHD accretion shocks in classical T Tauri stars. Astronomy and Astrophysics, 2010, 510, A71.	5.1	62
6	Multiwavelength diagnostics of accretion in an X-ray selected sample of CTTSs. Astronomy and Astrophysics, 2011, 526, A104.	5.1	53
7	X-ray emission from dense plasma in classical T Tauri stars: hydrodynamic modeling of the accretion shock. Astronomy and Astrophysics, 2008, 491, L17-L20.	5.1	53
8	On the observability of T Tauri accretion shocks in the X-ray band. Astronomy and Astrophysics, 2010, 522, A55.	5.1	52
9	Collisionless shock heating of heavy ions in SN 1987A. Nature Astronomy, 2019, 3, 236-241.	10.1	39
10	Variable X-ray emission from the accretion shock in the classical T Tauri star V2129 Ophiuchi. Astronomy and Astrophysics, 2011, 530, A1.	5.1	38
11	Radiative accretion shocks along nonuniform stellar magnetic fields in classical T Tauri stars. Astronomy and Astrophysics, 2013, 559, A127.	5.1	36
12	Laboratory unraveling of matter accretion in young stars. Science Advances, 2017, 3, e1700982.	10.3	35
13	Supersaturation and activity-rotation relation in PMS stars: the young cluster h Persei. Astronomy and Astrophysics, 2016, 589, A113.	5.1	35
14	YSO accretion shocks: magnetic, chromospheric or stochastic flow effects can suppress fluctuations of X-ray emission. Astronomy and Astrophysics, 2013, 557, A69.	5.1	34
15	Simultaneous Kepler/K2 and XMM-Newton observations of superflares in the Pleiades. Astronomy and Astrophysics, 2019, 622, A210.	5.1	32
16	THE CLOSE T TAURI BINARY SYSTEM V4046 Sgr: ROTATIONALLY MODULATED X-RAY EMISSION FROM ACCRETION SHOCKS. Astrophysical Journal, 2012, 752, 100.	4.5	31
17	XMM-Newton spectroscopy of the metal depleted T Tauri star TWA 5. Astronomy and Astrophysics, 2005, 439, 1149-1158.	5.1	27
18	High-Resolution X-Ray Spectroscopy of the Post-T Tauri Star PZ Telescopii. Astrophysical Journal, 2004, 609, 925-934.	4.5	26

#	ARTICLE	IF	CITATIONS
19	On coronal structures and their variability in active stars: The case of Capella observed with Chandra/LETGS. <i>Astronomy and Astrophysics</i> , 2003, 404, 1033-1049.	5.1	26
20	GSC 07396-00759 = V4046 Sgr C[D]: A WIDE-SEPARATION COMPANION TO THE CLOSE T TAURI BINARY SYSTEM V4046 Sgr AB. <i>Astrophysical Journal Letters</i> , 2011, 740, L17.	8.3	25
21	Magnetohydrodynamic Modeling of the Accretion Shocks in Classical T Tauri Stars: The Role of Local Absorption in the X-Ray Emission. <i>Astrophysical Journal Letters</i> , 2014, 795, L34.	8.3	25
22	X-ray optical depth diagnostics of T Tauri accretion shocks. <i>Astronomy and Astrophysics</i> , 2009, 507, 939-948.	5.1	25
23	M STARS IN THE TW HYA ASSOCIATION: STELLAR X-RAYS AND DISK DISSIPATION. <i>Astronomical Journal</i> , 2016, 152, 3.	4.7	23
24	Redshifted X-rays from the material accreting onto TW Hydrae: Evidence of a low-latitude accretion spot. <i>Astronomy and Astrophysics</i> , 2017, 607, A14.	5.1	21
25	The enigmatic young brown dwarf binary FUâ€fTau: accretion and activity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1095-1102.	4.4	16
26	New view of the corona of classical T Tauri stars: Effects of flaring activity in circumstellar disks. <i>Astronomy and Astrophysics</i> , 2019, 624, A50.	5.1	16
27	Optical spectroscopy of X-ray sources in the Taurus molecular cloud: discovery of ten new pre-main sequence stars. <i>Astronomy and Astrophysics</i> , 2008, 490, 601-612.	5.1	16
28	Hydrodynamic modelling of accretion impacts in classical T Tauri stars: radiative heating of the pre-shock plasma. <i>Astronomy and Astrophysics</i> , 2017, 597, A1.	5.1	15
29	CSI 2264: Simultaneous optical and X-ray variability in pre-main sequence stars. <i>Astronomy and Astrophysics</i> , 2017, 602, A10.	5.1	14
30	Impacts of fragmented accretion streams onto classical T Tauri stars: UV and X-ray emission lines. <i>Astronomy and Astrophysics</i> , 2016, 594, A93.	5.1	13
31	The large-scale magnetic field of the eccentric pre-main-sequence binary system V1878 Ori. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 632-642.	4.4	11
32	Inferring possible magnetic field strength of accreting inflows in EXor-type objects from scaled laboratory experiments. <i>Astronomy and Astrophysics</i> , 2021, 648, A81.	5.1	10
33	XMM-Newton survey of two upper Scorpius regions. <i>Astronomy and Astrophysics</i> , 2006, 459, 199-213.	5.1	10
34	The flaring and quiescent components of the solar corona. <i>Astronomy and Astrophysics</i> , 2008, 488, 1069-1077.	5.1	9
35	Effects of radiation in accretion regions of classical T Tauri stars. <i>Astronomy and Astrophysics</i> , 2019, 629, L9.	5.1	7
36	Laboratory evidence for an asymmetric accretion structure upon slanted matter impact in young stars. <i>Astronomy and Astrophysics</i> , 2020, 642, A38.	5.1	7

#	ARTICLE	IF	CITATIONS
37	The Voyage of Metals in the Universe from Cosmological to Planetary Scales: the need for a Very High-Resolution, High Throughput Soft X-ray Spectrometer. <i>Experimental Astronomy</i> , 2021, 51, 1013-1041.	3.7	5
38	High-energy emission and its variability in young stellar objects. <i>Astronomische Nachrichten</i> , 2019, 340, 284-289.	1.2	4
39	The GAPS programme at TNG. <i>Astronomy and Astrophysics</i> , 2020, 642, A53.	5.1	4
40	The magnetosphere of the close accreting PMS binary V4046 Sgr. <i>EPJ Web of Conferences</i> , 2014, 64, 08009.	0.3	2
41	3D YSO accretion shock simulations: a study of the magnetic, chromospheric and stochastic flow effects. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 66-69.	0.0	1
42	The magnetosphere of the close accreting PMS binary V4046 Sgr AB. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 44-45.	0.0	1
43	3D numerical modeling of YSO accretion shocks. <i>EPJ Web of Conferences</i> , 2014, 64, 04003.	0.3	1
44	Mass Accretion Impacts in Classical T Tauri Stars: A Multi-disciplinary Approach. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2019, , 43-48.	0.3	1
45	Modeling X-ray emission from stellar coronae. , 2009, , .		0
46	The Sun as a benchmark of flaring activity in stellar coronae. , 2009, , .		0
47	Accretion shock on CTTs and its X-ray emission. , 2009, , .		0
48	V4046 Sgr: X-rays from accretion shock. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 46-47.	0.0	0
49	X-rays from accretion shocks in classical T Tauri stars: 2D MHD modeling and the role of local absorption. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 48-49.	0.0	0
50	Activity and Rotation in the Young Cluster h Per. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 102-105.	0.0	0
51	High Energy Emission from Shocks Due to Jets and Accretion in Young Stars with Disks: Combining Observations, Numerical Models, and Laboratory Experiments. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2019, , 49-52.	0.3	0