

Marc Audard

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

2,295
citations

22
h-index

47
g-index

56
ext. papers

2,526
ext. citations

5.4
avg, IF

4.18
L-index

#	Paper	IF	Citations
54	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2019 , 622, A60	5.1	113
53	Gaia Data Release 2. <i>Astronomy and Astrophysics</i> , 2019 , 625, A97	5.1	21
52	VLA cm-wave survey of young stellar objects in the Oph A cluster: constraining extreme UV- and X-ray-driven disk photoevaporation. <i>Astronomy and Astrophysics</i> , 2019 , 631, A58	5.1	2
51	Resolving the Inner Arcsecond of the RY Tau Jet with HST. <i>Astrophysical Journal</i> , 2018 , 855, 143	4.7	12
50	Hitomi X-ray observation of the pulsar wind nebula G21.50-9. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	5
49	Knotty protostellar jets as a signature of episodic protostellar accretion?. <i>Astronomy and Astrophysics</i> , 2018 , 613, A18	5.1	17
48	Hitomi (ASTRO-H) X-ray Astronomy Satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	34
47	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-ray Spectrometer. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018 , 4, 1	1.1	2
46	MALT90 molecular content on high-mass IR-dark clumps. <i>Astronomy and Astrophysics</i> , 2018 , 620, A158	5.1	3
45	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,	3.2	21
44	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,	3.2	12
43	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,	3.2	1
42	Hitomi observations of the LMC SNR N 132 D: Highly redshifted X-ray emission from iron ejecta*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	3
41	Glimpse of the highly obscured HMXB IGR J16318-8448 with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	3
40	Hitomi X-ray studies of Giant Radio Pulses from the Crab pulsar. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	4
39	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	16
38	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	40

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*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	15
36	Temperature structure in the Perseus cluster core observed with Hitomi*. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	10
35	Pulsating star research and the Gaia revolution. <i>EPJ Web of Conferences</i> , 2017 , 152, 02002	0.3	2
34	CHANDRAANDXMM-NEWTONX-RAY OBSERVATIONS OF THE HYPERACTIVE T TAURI STAR RY TAU. <i>Astrophysical Journal</i> , 2016 , 826, 84	4.7	6
33	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer 2016 ,		9
32	The ASTRO-H (Hitomi) x-ray astronomy satellite 2016 ,		36
31	Ongoing star formation in the protocluster IRAS 22134+5834. <i>Astronomy and Astrophysics</i> , 2016 , 587, A69	5.1	1
30	The quiescent intracluster medium in the core of the Perseus cluster. <i>Nature</i> , 2016 , 535, 117-21	50.4	266
29	On the in-flight calibration plans of modern x-ray observatories. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2015 , 1, 047001	1.1	3
28	The ASTRO-H X-ray astronomy satellite 2014 ,		40
27	SAFARI new and improved: extending the capabilities of SPICAR β imaging spectrometer 2014 ,		11
26	The SAFARI imaging spectrometer for the SPICA space observatory 2012 ,		19
25	The ASTRO-H X-ray Observatory 2012 ,		54
24	CHANDRAEVIDENCE FOR EXTENDED X-RAY STRUCTURE IN RY Tau. <i>Astrophysical Journal</i> , 2011 , 737, 19	4.7	19
23	INTERMEDIATE-MASS HOT CORES AT ~500 AU: DISKS OR OUTFLOWS?. <i>Astrophysical Journal Letters</i> , 2011 , 743, L32	7.9	27
22	FAR-INFRARED OBSERVATIONS OF THE VERY LOW LUMINOSITY EMBEDDED SOURCE L1521F-IRS IN THE TAURUS STAR-FORMING REGION. <i>Astrophysical Journal</i> , 2009 , 696, 1918-1930	4.7	34
21	CHANDRAANDSPITZERIMAGING OF THE INFRARED CLUSTER IN NGC 2071. <i>Astrophysical Journal</i> , 2009 , 701, 710-724	4.7	16
20	Multi-Zone Warm and Cold Clumpy Absorbers in Three Seyfert Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 404-404	0.1	

19	Million-degree plasma pervading the extended Orion Nebula. <i>Science</i> , 2008 , 319, 309-12	33.3	87
18	Hard X-Rays and Fluorescent Iron Emission from the Embedded Infrared Cluster in NGC 2071. <i>Astrophysical Journal</i> , 2007 , 658, 1144-1151	4.7	16
17	Accretion and outflow-related X-rays in T Tauri stars. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 155-162	0.1	1
16	X-ray Emission from the Pre-Main Sequence Systems FU Orionis and T Tauri. <i>Astrophysics and Space Science</i> , 2006 , 304, 165-167	1.6	3
15	An XMM-Newton Study of the Coronae of α Coronae Borealis. <i>Astrophysical Journal</i> , 2005 , 630, 1074-1087	4.7	9
14	Evolution of the Solar Activity over Time and Effects on Planetary Atmospheres. I. High-Energy Irradiances ($1\text{--}700\text{ \AA}$). <i>Astrophysical Journal</i> , 2005 , 622, 680-694	4.7	582
13	Non-LTE Model Atmosphere Analysis of the Large Magellanic Cloud Supersoft X-Ray Source CAL 83. <i>Astrophysical Journal</i> , 2005 , 619, 517-526	4.7	39
12	Coronal Evolution of the Sun in Time: High-Resolution X-Ray Spectroscopy of Solar Analogs with Different Ages. <i>Astrophysical Journal</i> , 2005 , 622, 653-679	4.7	125
11	Some Like It Hot: The X-Ray Emission of the Giant Star YY Mensae. <i>Astrophysical Journal</i> , 2004 , 617, 531-550	4.7	23
10	Resolving X-Ray Sources from B Stars Spectroscopically: The Example of β Leporis. <i>Astrophysical Journal</i> , 2004 , 612, L65-L68	4.7	8
9	New Perspectives on the X-Ray Emission of HD 104237 and Other Nearby Herbig Ae/Be Stars from XMM-Newton and Chandra. <i>Astrophysical Journal</i> , 2004 , 614, 221-234	4.7	39
8	Separating the X-Ray Emissions of UV Ceti A and B with Chandra. <i>Astrophysical Journal</i> , 2003 , 589, 983-987	4.7	30
7	Modeling Stellar Microflares 2003 , 451-452		
6	Are Coronae of Magnetically Active Stars Heated by Flares? II. Extreme Ultraviolet and X-Ray Flare Statistics and the Differential Emission Measure Distribution. <i>Astrophysical Journal</i> , 2003 , 582, 423-442	4.7	97
5	Flare Heating in Stellar Coronae. <i>Astrophysical Journal</i> , 2002 , 580, 1118-1132	4.7	67
4	X-Ray Evidence for Flare Density Variations and Continual Chromospheric Evaporation in Proxima Centauri. <i>Astrophysical Journal</i> , 2002 , 580, L73-L76	4.7	70
3	Detection of the Neupert Effect in the Corona of an RS Canum Venaticorum Binary System by XMM-Newton and the Very Large Array. <i>Astrophysical Journal</i> , 2002 , 577, 371-376	4.7	28
2	Extreme-Ultraviolet Flare Activity in Late-Type Stars. <i>Astrophysical Journal</i> , 2000 , 541, 396-409	4.7	151

- 1 Implications from Extreme-Ultraviolet Observations for Coronal Heating of Active Stars. *Astrophysical Journal*, **1999**, 513, L53-L56 4·7 43