Marc Audard

List of Publications by Citations

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	Evolution of the Solar Activity over Time and Effects on Planetary Atmospheres. I. High-Energy Irradiances (1–1700 A). *Astrophysical Journal*, **2005**, 622, 680-694	4.7	582
53	The quiescent intracluster medium in the core of the Perseus cluster. *Nature*, **2016**, 535, 117-21	50.4	266
52	Extreme-Ultraviolet Flare Activity in Late-Type Stars. *Astrophysical Journal*, **2000**, 541, 396-409	4.7	151
51	Coronal Evolution of the Sun in Time: High-Resolution X-Ray Spectroscopy of Solar Analogs with Different Ages. *Astrophysical Journal*, **2005**, 622, 653-679	4.7	125
50	Gaia Data Release 2. *Astronomy and Astrophysics*, **2019**, 622, A60	5.1	113
49	Are Coronae of Magnetically Active Stars Heated by Flares? II. Extreme Ultraviolet and X-Ray Flare Statistics and the Differential Emission Measure Distribution. *Astrophysical Journal*, **2003**, 582, 423-442	4.7	97
48	Million-degree plasma pervading the extended Orion Nebula. *Science*, **2008**, 319, 309-12	33.3	87
47	X-Ray Evidence for Flare Density Variations and Continual Chromospheric Evaporation in Proxima Centauri. *Astrophysical Journal*, **2002**, 580, L73-L76	4.7	70
46	Flare Heating in Stellar Coronae. *Astrophysical Journal*, **2002**, 580, 1118-1132	4.7	67
45	The ASTRO-H X-ray Observatory **2012**,		54
44	Implications from Extreme-Ultraviolet Observations for Coronal Heating of Active Stars. *Astrophysical Journal*, **1999**, 513, L53-L56	4.7	43
43	The ASTRO-H X-ray astronomy satellite **2014**,		40
42	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi*. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	40
41	New Perspectives on the X-Ray Emission of HD 104237 and Other Nearby Herbig Ae/Be Stars fromXMM-NewtonandChandra. *Astrophysical Journal*, **2004**, 614, 221-234	4.7	39
40	Non-LTE Model Atmosphere Analysis of the Large Magellanic Cloud Supersoft X-Ray Source CAL 83. *Astrophysical Journal*, **2005**, 619, 517-526	4.7	39
39	The ASTRO-H (Hitomi) x-ray astronomy satellite **2016**,		36
38	FAR-INFRARED OBSERVATIONS OF THE VERY LOW LUMINOSITY EMBEDDED SOURCE L1521F-IRS IN THE TAURUS STAR-FORMING REGION. *Astrophysical Journal*, **2009**, 696, 1918-1930	4.7	34

37	Hitomi (ASTRO-H) X-ray Astronomy Satellite. *Journal of Astronomical Telescopes, Instruments, and Systems*, **2018**, 4, 1	1.1	34
36	Separating the X-Ray Emissions of UV Ceti A and B withChandra. *Astrophysical Journal*, **2003**, 589, 983-987	4.7	30
35	Detection of the Neupert Effect in the Corona of an RS Canum Venaticorum Binary System byXMM-Newtonand the Very Large Array. *Astrophysical Journal*, **2002**, 577, 371-376	4.7	28
34	INTERMEDIATE-MASS HOT CORES AT ~500 AU: DISKS OR OUTFLOWS?. *Astrophysical Journal Letters*, **2011**, 743, L32	7.9	27
33	Some Like It Hot: The X-Ray Emission of the Giant Star YY Mensae. *Astrophysical Journal*, **2004**, 617, 531-550	4.7	23
32	Gaia Data Release 2. *Astronomy and Astrophysics*, **2019**, 625, A97	5.1	21
31	Atomic data and spectral modeling constraints from high-resolution X-ray observations of the Perseus cluster with Hitomi*. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	21
30	The SAFARI imaging spectrometer for the SPICA space observatory **2012**,		19
29	CHANDRAEVIDENCE FOR EXTENDED X-RAY STRUCTURE IN RY Tau. *Astrophysical Journal*, **2011**, 737, 19	4.7	19
28	Knotty protostellar jets as a signature of episodic protostellar accretion?. *Astronomy and Astrophysics*, **2018**, 613, A18	5.1	17
27	CHANDRAANDSPITZERIMAGING OF THE INFRARED CLUSTER IN NGC 2071. *Astrophysical Journal*, **2009**, 701, 710-724	4.7	16
26	Hard X-Rays and Fluorescent Iron Emission from the Embedded Infrared Cluster in NGC 2071. *Astrophysical Journal*, **2007**, 658, 1144-1151	4.7	16
25	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	16
24	Hitomi observation of radio galaxy NGC 1275: The first X-ray microcalorimeter spectroscopy of Fe-K□ine emission from an active galactic nucleus*. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	15
23	Resolving the Inner Arcsecond of the RY Tau Jet withHST. *Astrophysical Journal*, **2018**, 855, 143	4.7	12
22	Detection of polarized gamma-ray emission from the Crab nebula with the Hitomi Soft Gamma-ray Detector. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	12
21	SAFARI new and improved: extending the capabilities of SPICA□s imaging spectrometer **2014**,		11
20	Temperature structure in the Perseus cluster core observed with Hitomi*. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	10

19	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer **2016**,		9
18	AnXMM-NewtonStudy of the Coronae of Coronae Borealis. *Astrophysical Journal*, **2005**, 630, 1074-1087	4.7	9
17	Resolving X-Ray Sources from B Stars Spectroscopically: The Example of Leporis. *Astrophysical Journal*, **2004**, 612, L65-L68	4.7	8
16	CHANDRAANDXMM-NEWTONX-RAY OBSERVATIONS OF THE HYPERACTIVE T TAURI STAR RY TAU. *Astrophysical Journal*, **2016**, 826, 84	4.7	6
15	Hitomi X-ray observation of the pulsar wind nebula G21.5 0.9. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	5
14	Hitomi X-ray studies of Giant Radio Pulses from the Crab pulsar. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	4
13	On the in-flight calibration plans of modern x-ray observatories. *Journal of Astronomical Telescopes, Instruments, and Systems*, **2015**, 1, 047001	1.1	3
12	X-ray Emission from the Pre-Main Sequence Systems FU Orionis and T Tauri. *Astrophysics and Space Science*, **2006**, 304, 165-167	1.6	3
11	MALT90 molecular content on high-mass IR-dark clumps. *Astronomy and Astrophysics*, **2018**, 620, A158	5.1	3
10	Hitomi observations of the LMC SNR N 132 D: Highly redshifted X-ray emission from iron ejecta*. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	3
9	Glimpse of the highly obscured HMXB IGR J16318 4848 with Hitomi*. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	3
8	Pulsating star research and the Gaia revolution. *EPJ Web of Conferences*, **2017**, 152, 02002	0.3	2
7	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-ray Spectrometer. *Journal of Astronomical Telescopes, Instruments, and Systems*, **2018**, 4, 1	1.1	2
6	VLA cm-wave survey of young stellar objects in the Oph A cluster: constraining extreme UV- and X-ray-driven disk photoevaporation. *Astronomy and Astrophysics*, **2019**, 631, A58	5.1	2
5	Accretion and outflow-related X-rays in T Tauri stars. *Proceedings of the International Astronomical Union*, **2007**, 3, 155-162	0.1	1
4	Ongoing star formation in the protocluster IRAS 22134+5834. *Astronomy and Astrophysics*, **2016**, 587, A69	5.1	1
3	Search for thermal X-ray features from the Crab nebula with the Hitomi soft X-ray spectrometer*. *Publication of the Astronomical Society of Japan*, **2018**, 70,	3.2	1
2	Multi-Zone Warm and Cold Clumpy Absorbers in Three Seyfert Galaxies. *Proceedings of the International Astronomical Union*, **2009**, 5, 404-404	0.1	

List of Publications

1 Modeling Stellar Microflares **2003**, 451-452