

Marc Audard

List of Publications by Year in descending order

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56
papers

2,870
citations

218381

26
h-index

174990

52
g-index

56
all docs

56
docs citations

56
times ranked

3679
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of the Solar Activity over Time and Effects on Planetary Atmospheres. I. High-Energy Irradiances (1–1700 Å). <i>Astrophysical Journal</i> , 2005, 622, 680-694.	1.6	684
2	The quiescent intracluster medium in the core of the Perseus cluster. <i>Nature</i> , 2016, 535, 117-121.	13.7	348
3	Extreme-Ultraviolet Flare Activity in Late-Type Stars. <i>Astrophysical Journal</i> , 2000, 541, 396-409.	1.6	169
4	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2019, 622, A60.	2.1	159
5	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.	1.6	138
6	Million-Degree Plasma Pervading the Extended Orion Nebula. <i>Science</i> , 2008, 319, 309-312.	6.0	116
7	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.	1.6	113
8	X-Ray Evidence for Flare Density Variations and Continual Chromospheric Evaporation in Proxima Centauri. <i>Astrophysical Journal</i> , 2002, 580, L73-L76.	1.6	78
9	Flare Heating in Stellar Coronae. <i>Astrophysical Journal</i> , 2002, 580, 1118-1132.	1.6	76
10	Hitomi (ASTRO-H) X-ray Astronomy Satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2018, 4, 1.	1.0	64
11	The ASTRO-H X-ray Observatory. <i>Proceedings of SPIE</i> , 2012, , .	0.8	63
12	Atmospheric gas dynamics in the Perseus cluster observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	57
13	Implications from Extreme-Ultraviolet Observations for Coronal Heating of Active Stars. <i>Astrophysical Journal</i> , 1999, 513, L53-L56.	1.6	48
14	The ASTRO-H (Hitomi) x-ray astronomy satellite. <i>Proceedings of SPIE</i> , 2016, , .	0.8	47
15	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, .	1.0	46
16	Non-LTE Model Atmosphere Analysis of the Large Magellanic Cloud Supersoft X-Ray Source CAL 83. <i>Astrophysical Journal</i> , 2005, 619, 517-526.	1.6	45
17	The ASTRO-H X-ray astronomy satellite. <i>Proceedings of SPIE</i> , 2014, , .	0.8	45
18	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.	1.6	41

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19	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.	1.6	38
20	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.	1.6	36
21	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2019, 625, A97.	2.1	35
22	Separating the X-ray Emissions of UV Ceti A and B with Chandra. <i>Astrophysical Journal</i> , 2003, 589, 983-987.	1.6	31
23	INTERMEDIATE-MASS HOT CORES AT $\sim 1/4$ 500 AU: DISKS OR OUTFLOWS?. <i>Astrophysical Journal Letters</i> , 2011, 743, L32.	3.0	31
24	The SAFARI imaging spectrometer for the SPICA space observatory. <i>Proceedings of SPIE</i> , 2012, , .	0.8	29
25	Measurements of resonant scattering in the Perseus Cluster core with Hitomi SXS. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	29
26	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, .	1.0	27
27	Knotty protostellar jets as a signature of episodic protostellar accretion?. <i>Astronomy and Astrophysics</i> , 2018, 613, A18.	2.1	25
28	Some Like It Hot: The X-ray Emission of the Giant Star YY Mensae. <i>Astrophysical Journal</i> , 2004, 617, 531-550.	1.6	23
29	<i>CHANDRA</i> EVIDENCE FOR EXTENDED X-RAY STRUCTURE IN RY Tau. <i>Astrophysical Journal</i> , 2011, 737, 19.	1.6	22
30	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, .	1.0	21
31	Temperature structure in the Perseus cluster core observed with Hitomi. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	20
32	<i>CHANDRA</i> AND <i>SPITZER</i> IMAGING OF THE INFRARED CLUSTER IN NGC 2071. <i>Astrophysical Journal</i> , 2009, 701, 710-724.	1.6	18
33	Resolving the Inner Arcsecond of the RY Tau Jet with HST. <i>Astrophysical Journal</i> , 2018, 855, 143.	1.6	17
34	Hard X-rays and Fluorescent Iron Emission from the Embedded Infrared Cluster in NGC 2071. <i>Astrophysical Journal</i> , 2007, 658, 1144-1151.	1.6	16
35	SAFARI new and improved: extending the capabilities of SPICA's imaging spectrometer. <i>Proceedings of SPIE</i> , 2014, , .	0.8	12
36	An XMM-Newton Study of the Coronae of γ 2 Coronae Borealis. <i>Astrophysical Journal</i> , 2005, 630, 1074-1087.	1.6	10

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37	In-flight verification of the calibration and performance of the ASTRO-H (Hitomi) Soft X-Ray Spectrometer. Proceedings of SPIE, 2016, , .	0.8	10
38	Resolving X-Ray Sources from B Stars Spectroscopically: The Example of $\hat{1}/4$ Leporis. Astrophysical Journal, 2004, 612, L65-L68.	1.6	8
39	CHANDRA AND XMM-NEWTON X-RAY OBSERVATIONS OF THE HYPERACTIVE T TAURI STAR RY TAU. Astrophysical Journal, 2016, 826, 84.	1.6	8
40	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, .	1.0	8
41	Hitomi X-ray studies of giant radio pulses from the Crab pulsar. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	8
42	Hitomi X-ray observation of the pulsar wind nebula G21.5 $\hat{\sim}$ 0.9. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	8
43	MALT90 molecular content on high-mass IR-dark clumps. Astronomy and Astrophysics, 2018, 620, A158.	2.1	7
44	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.	1.0	7
45	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.	2.1	6
46	Hitomi observations of the LMC SNR N $\hat{\epsilon}$ 132 $\hat{\epsilon}$ D: Highly redshifted X-ray emission from iron ejecta. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	5
47	Glimpse of the highly obscured HMXB IGR $\hat{\epsilon}$ J16318 $\hat{\sim}$ 4848 with Hitomi. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	4
48	X-ray Emission from the Pre-Main Sequence Systems FU Orionis and T Tauri. Astrophysics and Space Science, 2006, 304, 165-167.	0.5	3
49	On the in-flight calibration plans of modern x-ray observatories. Journal of Astronomical Telescopes, Instruments, and Systems, 2015, 1, 047001.	1.0	3
50	Ongoing star formation in the protocluster IRAS 22134+5834. Astronomy and Astrophysics, 2016, 587, A69.	2.1	3
51	Pulsating star research and the Gaia revolution. EPJ Web of Conferences, 2017, 152, 02002.	0.1	3
52	Accretion and outflow-related X-rays in T Tauri stars. Proceedings of the International Astronomical Union, 2007, 3, 155-162.	0.0	1
53	Pulsed Thermal Emission from the Accreting Pulsar XMMU J054134.7 $\hat{\sim}$ 682550. , 2009, , .		1
54	Modeling Stellar Microflares. , 2003, , 451-452.		0

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55	The Supersoft X-Ray Source CAL 83: A Massive White Dwarf. AIP Conference Proceedings, 2005, , .	0.3	0
56	Multi-Zone Warm and Cold Clumpy Absorbers in Three Seyfert Galaxies. Proceedings of the International Astronomical Union, 2009, 5, 404-404.	0.0	0