Kazushi Sakamoto

List of Publications by Year
in descending order

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26 papers	998 citations	516710 16 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	971 citing authors

#	Article	IF	Citations
1	Submillimeter Array Imaging of the CO(3â€“2) Line and 860 Î¼m Continuum of Arp 220: Tracing the Spatial Distribution of Luminosity. Astrophysical Journal, 2008, 684, 957-977.	4.5	114
2	VIBRATIONALLY EXCITED HCN IN THE LUMINOUS INFRARED GALAXY NGC 4418. Astrophysical Journal Letters, 2010, 725, L228-L233.	8.3	100
3	P CYGNI PROFILES OF MOLECULAR LINES TOWARD ARP 220 NUCLEI. Astrophysical Journal, 2009, 700, L104-L108.	4.5	84
4	AN INFRARED-LUMINOUS MERGER WITH TWO BIPOLAR MOLECULAR OUTFLOWS: ALMA AND SMA OBSERVATIONS OF NGC 3256. Astrophysical Journal, 2014, 797, 90.	4.5	81
5	Molecular Superbubbles in the Starburst Galaxy NGC 253. Astrophysical Journal, 2006, 636, 685-697.	4.5	75
6	SUBMILLIMETER INTERFEROMETRY OF THE LUMINOUS INFRARED GALAXY NGC 4418: A HIDDEN HOT NUCLEUS WITH AN INFLOW AND AN OUTFLOW. Astrophysical Journal, 2013, 764, 42.	4.5	72
7	STAR-FORMING CLOUD COMPLEXES IN THE CENTRAL MOLECULAR ZONE OF NGC 253. Astrophysical Journal, 2011, 735, 19.	4.5	69
8	Imaging Molecular Gas in the Luminous Merger NGC 3256: Detection of Highâ€Velocity Gas and Twin Gas Peaks in the Double Nucleus. Astrophysical Journal, 2006, 644, 862-878.	4.5	53
9	Fast, Collimated Outflow in the Western Nucleus of Arp 220. Astrophysical Journal Letters, 2018, 853, L28.	8.3	47
10	SMA¹²CO(J= 6 â€“ 5) AND 435 Î¼m INTERFEROMETRIC IMAGING OF THE NUCLEAR REGION OF Arp 220. Astrophysical Journal, 2009, 693, 56-68.	4.5	46
11	Molecular Gas around the Double Nucleus in M83. Astrophysical Journal, 2004, 616, L59-L62.	4.5	43
12	ALMA Astrochemical Observations of the Infrared-luminous Merger NGC 3256. Astrophysical Journal, 2018, 855, 49.	4.5	37
13	Resolved Structure of the Arp 220 Nuclei at Î»Âå‰ˆÂ3 mm. Astrophysical Journal, 2017, 849, 14.	4.5	30
14	The Greenhouse Effect in Buried Galactic Nuclei and the Resonant HCN Vibrational Emission. Astrophysical Journal, 2019, 882, 153.	4.5	27
15	Systematic Variations of CO JÂ=Â2â€™1/1â€“0 Ratio and Their Implications in The Nearby Barred Spiral Galaxy M83. Astrophysical Journal Letters, 2020, 890, L10.	8.3	20
16	INFRARED AND X-RAY EVIDENCE OF AN AGN IN THE NGC 3256 SOUTHERN NUCLEUS. Astrophysical Journal, 2015, 805, 162.	4.5	18
17	Dusty Superwind from a Galaxy with a Compact Obscured Nucleus: Optical Spectroscopic Study of NGC 4418. Astrophysical Journal, 2019, 871, 191.	4.5	15
18	Starburst Energy Feedback Seen through HCO⁺/HOC⁺ Emission in NGC 253 from ALCHEMI. Astrophysical Journal, 2021, 923, 24.	4.5	14

#	Article	IF	Citations
19	Chemical Evolution along the Circumnuclear Ring of M83. Astrophysical Journal, 2019, 884, 100.	4.5	12
20	Deeply Buried Nuclei in the Infrared-luminous Galaxies NGC 4418 and Arp 220. II. Line Forests at Î» = 1.4â€“0.4 mm and Circumnuclear Gas Observed with ALMA. Astrophysical Journal, 2021, 923, 240.	4.5	12
21	VV 655 and NGC 4418: Implications of an interaction for the evolution of a LIRG. Astronomy and Astrophysics, 2020, 637, A17.	5.1	8
22	Energizing Star Formation: The Cosmic-Ray Ionization Rate in NGC 253 Derived from ALCHEMI Measurements of H₃O⁺ and SO. Astrophysical Journal, 2022, 931, 89.	4.5	8
23	Deeply Buried Nuclei in the Infrared-luminous Galaxies NGC 4418 and Arp 220. I. ALMA Observations at Î» = 1.4â€“0.4 mm and Continuum Analysis. Astrophysical Journal, 2021, 923, 206.	4.5	6
24	Gas dynamics and structure of galaxies. Astrophysics and Space Science, 2008, 313, 245-251.	1.4	4
25	Towards the prediction of molecular parameters from astronomical emission lines using Neural Networks. Experimental Astronomy, 2021, 52, 157-182.	3.7	3
26	Molecular Gas and Dust in Nearby Galactic Centers: from SMA to ALMA. Proceedings of the International Astronomical Union, 2012, 8, 143-148.	0.0	0