

# 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	Energizing Star Formation: The Cosmic-Ray Ionization Rate in NGC 253 Derived from ALCHEMI Measurements of $\text{H}_3\text{O}^+$ and SO. <i>Astrophysical Journal</i> , 2022, 931, 89.	4.5	8
2	Towards the prediction of molecular parameters from astronomical emission lines using Neural Networks. <i>Experimental Astronomy</i> , 2021, 52, 157-182.	3.7	3
3	Starburst Energy Feedback Seen through $\text{HCO}^+/\text{HOC}^+$ Emission in NGC 253 from ALCHEMI. <i>Astrophysical Journal</i> , 2021, 923, 24.	4.5	14
4	Deeply Buried Nuclei in the Infrared-luminous Galaxies NGC 4418 and Arp 220. II. Line Forests at $\lambda = 1.4 \text{ mm}$ and Circumnuclear Gas Observed with ALMA. <i>Astrophysical Journal</i> , 2021, 923, 240.	4.5	12
5	Deeply Buried Nuclei in the Infrared-luminous Galaxies NGC 4418 and Arp 220. I. ALMA Observations at $\lambda = 1.4 \text{ mm}$ and Continuum Analysis. <i>Astrophysical Journal</i> , 2021, 923, 206.	4.5	6
6	W 655 and NGC 4418: Implications of an interaction for the evolution of a LIRG. <i>Astronomy and Astrophysics</i> , 2020, 637, A17.	5.1	8
7	Systematic Variations of $\text{CO } J=2 \rightarrow 1$ Ratio and Their Implications in The Nearby Barred Spiral Galaxy M83. <i>Astrophysical Journal Letters</i> , 2020, 890, L10.	8.3	20
8	The Greenhouse Effect in Buried Galactic Nuclei and the Resonant HCN Vibrational Emission. <i>Astrophysical Journal</i> , 2019, 882, 153.	4.5	27
9	Chemical Evolution along the Circumnuclear Ring of M83. <i>Astrophysical Journal</i> , 2019, 884, 100.	4.5	12
10	Dusty Superwind from a Galaxy with a Compact Obscured Nucleus: Optical Spectroscopic Study of NGC 4418. <i>Astrophysical Journal</i> , 2019, 871, 191.	4.5	15
11	Fast, Collimated Outflow in the Western Nucleus of Arp 220. <i>Astrophysical Journal Letters</i> , 2018, 853, L28.	8.3	47
12	ALMA Astrochemical Observations of the Infrared-luminous Merger NGC 3256. <i>Astrophysical Journal</i> , 2018, 855, 49.	4.5	37
13	Resolved Structure of the Arp 220 Nuclei at $\lambda = 3 \text{ mm}$ . <i>Astrophysical Journal</i> , 2017, 849, 14.	4.5	30
14	INFRARED AND X-RAY EVIDENCE OF AN AGN IN THE NGC 3256 SOUTHERN NUCLEUS. <i>Astrophysical Journal</i> , 2015, 805, 162.	4.5	18
15	AN INFRARED-LUMINOUS MERGER WITH TWO BIPOLAR MOLECULAR OUTFLOWS: ALMA AND SMA OBSERVATIONS OF NGC 3256. <i>Astrophysical Journal</i> , 2014, 797, 90.	4.5	81
16	SUBMILLIMETER INTERFEROMETRY OF THE LUMINOUS INFRARED GALAXY NGC 4418: A HIDDEN HOT NUCLEUS WITH AN INFLOW AND AN OUTFLOW. <i>Astrophysical Journal</i> , 2013, 764, 42.	4.5	72
17	Molecular Gas and Dust in Nearby Galactic Centers: from SMA to ALMA. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 143-148.	0.0	0
18	STAR-FORMING CLOUD COMPLEXES IN THE CENTRAL MOLECULAR ZONE OF NGC 253. <i>Astrophysical Journal</i> , 2011, 735, 19.	4.5	69

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19	VIBRATIONALLY EXCITED HCN IN THE LUMINOUS INFRARED GALAXY NGC 4418. <i>Astrophysical Journal Letters</i> , 2010, 725, L228-L233.	8.3	100
20	SMA <sup>12</sup> CO( <i>J</i> = 6 → 5) AND 435 $\hat{1}$ / <sub>4</sub> m INTERFEROMETRIC IMAGING OF THE NUCLEAR REGION OF Arp 220. <i>Astrophysical Journal</i> , 2009, 693, 56-68.	4.5	46
21	P CYGNI PROFILES OF MOLECULAR LINES TOWARD ARP 220 NUCLEI. <i>Astrophysical Journal</i> , 2009, 700, L104-L108.	4.5	84
22	Gas dynamics and structure of galaxies. <i>Astrophysics and Space Science</i> , 2008, 313, 245-251.	1.4	4
23	Submillimeter Array Imaging of the CO(3→2) Line and 860 $\hat{1}$ / <sub>4</sub> m Continuum of Arp 220: Tracing the Spatial Distribution of Luminosity. <i>Astrophysical Journal</i> , 2008, 684, 957-977.	4.5	114
24	Molecular Superbubbles in the Starburst Galaxy NGC 253. <i>Astrophysical Journal</i> , 2006, 636, 685-697.	4.5	75
25	Imaging Molecular Gas in the Luminous Merger NGC 3256: Detection of High-velocity Gas and Twin Gas Peaks in the Double Nucleus. <i>Astrophysical Journal</i> , 2006, 644, 862-878.	4.5	53
26	Molecular Gas around the Double Nucleus in M83. <i>Astrophysical Journal</i> , 2004, 616, L59-L62.	4.5	43