

Kunihiko Tanaka

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

448
citations

687363

13
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713466

21
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25
all docs

25
docs citations

25
times ranked

524
citing authors

#	ARTICLE	IF	CITATIONS
1	ASTE CO \rightarrow 3-2 SURVEY OF THE GALACTIC CENTER. <i>Astrophysical Journal, Supplement Series</i> , 2012, 201, 14.	7.7	51
2	A NEW LOOK AT THE GALACTIC CIRCUMNUCLEAR DISK. <i>Astrophysical Journal</i> , 2011, 732, 120.	4.5	49
3	High-Resolution Mappings of the ρ OMC-1 Complex in Molecular Lines: Discovery of a Proto-Superbubble. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, 323-333.	2.5	39
4	KINEMATICS OF SHOCKED MOLECULAR GAS ADJACENT TO THE SUPERNOVA REMNANT W44. <i>Astrophysical Journal</i> , 2013, 774, 10.	4.5	36
5	ALCHEMI, an ALMA Comprehensive High-resolution Extragalactic Molecular Inventory. <i>Astronomy and Astrophysics</i> , 2021, 656, A46.	5.1	36
6	Physical Conditions of Molecular Gas in the Galactic Center. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, 25-31.	2.5	34
7	HIGH ATOMIC CARBON ABUNDANCE IN MOLECULAR CLOUDS IN THE GALACTIC CENTER REGION. <i>Astrophysical Journal Letters</i> , 2011, 743, L39.	8.3	24
8	Atomic Carbon in the Southern Milky Way. <i>Astrophysical Journal</i> , 2005, 623, 889-896.	4.5	21
9	HCN $J=4-3$, HNC $J=1-0$, $H^{13}CN$ $J=1-0$, and HC_3N $J=10-9$ Maps of the Galactic Center Region. I. Spatially Resolved Measurements of Physical Conditions and Chemical Composition. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 40.	7.7	17
10	A Large Expanding Molecular Arc in the Sagittarius B1 Complex. <i>Publication of the Astronomical Society of Japan</i> , 2009, 61, 461-469.	2.5	16
11	HIGH VELOCITY COMPACT CLOUDS IN THE SAGITTARIUS C REGION. <i>Astrophysical Journal</i> , 2014, 783, 62.	4.5	15
12	ALMA Images of the Host Cloud of the Intermediate-mass Black Hole Candidate CO $\sim 0.40 \pm 0.22^*$: No Evidence for Cloud-Black Hole Interaction, but Evidence for a Cloud-Cloud Collision. <i>Astrophysical Journal</i> , 2018, 859, 86.	4.5	15
13	Starburst Energy Feedback Seen through HCO^+ / HOC^+ Emission in NGC 253 from ALCHEMI. <i>Astrophysical Journal</i> , 2021, 923, 24.	4.5	14
14	A statistical study of giant molecular clouds traced by ^{13}CO , $C^{18}O$, CS , and CH_3OH in the disk of NGC 1068 based on ALMA observations. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	2.5	13
15	PHYSICAL CONTACT BETWEEN THE ~ 1 km s $^{-1}$ CLOUD AND THE GALACTIC CIRCUMNUCLEAR DISK. <i>Astrophysical Journal</i> , 2017, 834, 121.	4.5	13
16	Temperature Variations of Cold Dust in the Triangulum Galaxy M 33. <i>Publication of the Astronomical Society of Japan</i> , 2011, 63, 1139-1150.	2.5	11
17	Methanol masers in NGC 253 with ALCHEMI. <i>Astronomy and Astrophysics</i> , 2022, 663, A33.	5.1	11
18	MILLIMETER-WAVE SPECTRAL LINE SURVEYS TOWARD THE GALACTIC CIRCUMNUCLEAR DISK AND Sgr A*. <i>Astrophysical Journal, Supplement Series</i> , 2014, 214, 2.	7.7	9

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19	Energizing Star Formation: The Cosmic-Ray Ionization Rate in NGC 253 Derived from ALCHEMI Measurements of H_3O^+ and SO. <i>Astrophysical Journal</i> , 2022, 931, 89.	4.5	8
20	$CO \approx 0.30 \pm 0.07$: A PECULIAR MOLECULAR CLUMP WITH AN EXTREMELY BROAD VELOCITY WIDTH IN THE CENTRAL MOLECULAR ZONE OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2015, 806, 130.	4.5	7
21	Atomic Carbon in the Central Molecular Zone of the Milky Way: Possible Cosmic-Ray Induced Chemistry or Time-dependent Chemistry Associated with SNR Sagittarius A East. <i>Astrophysical Journal</i> , 2021, 915, 79.	4.5	3
22	Towards the prediction of molecular parameters from astronomical emission lines using Neural Networks. <i>Experimental Astronomy</i> , 2021, 52, 157-182.	3.7	3
23	$HCN J=4-3$, $HNC J=1-0$, $H_{3-2}CN J=1-0$, and $HC_3N J=10-9$ Maps of Galactic Center Region. II. Physical Properties of Dense-gas Clumps and Probability of Star Formation. <i>Astrophysical Journal</i> , 2020, 903, 111.	4.5	3
24	Physical Contact between the +20 km s ⁻¹ Cloud and the Galactic Circumnuclear Disk. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 145-146.	0.0	0
25	Kinematics of the Ultra-High-Velocity Gas in the Expanding Molecular Shell Adjacent to the W44 Supernova Remnant. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 151-153.	0.0	0