Kunihiko Tanaka

List of Publications by Year
in descending order

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Version: 2024-02-01

25	448	687363 13	713466 21
papers	citations	h-index	g-index

25	25	25	524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methanol masers in NGC 253 with ALCHEMI. Astronomy and Astrophysics, 2022, 663, A33.	5.1	11
2	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
3	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. Astrophysical Journal, 2021, 915, 79.	4.5	3
4	Towards the prediction of molecular parameters from astronomical emission lines using Neural Networks. Experimental Astronomy, 2021, 52, 157-182.	3.7	3
5	ALCHEMI, an ALMA Comprehensive High-resolution Extragalactic Molecular Inventory. Astronomy and Astrophysics, 2021, 656, A46.	5.1	36
6	Starburst Energy Feedback Seen through HCO⁺/HOC⁺ Emission in NGC 253 from ALCHEMI. Astrophysical Journal, 2021, 923, 24.	4.5	14
7	HCN JÂ=Â4â€“3, HNC JÂ=Â1â€“0, H¹³CN JÂ=Â1â€“0, and HC₃N JÂ=Â10â€“9 Maps of Galactic Center Region. II. Physical Properties of Dense-gas Clumps and Probability of Star Formation. Astrophysical Journal, 2020, 903, 111.	4.5	3
8	ALMA Images of the Host Cloud of the Intermediate-mass Black Hole Candidate COâ˜'0.40â€“0.22*: No Evidence for Cloudâ€“Black Hole Interaction, but Evidence for a Cloudâ€“Cloud Collision. Astrophysical Journal, 2018, 859, 86.	4.5	15
9	HCN JÂ=Â4â€“3, HNC JÂ=Â1â€“0, H¹³CN JÂ=Â1â€“0, and HC₃N JÂ=Â10â€“9 Maps of the Galactic Center Region. I. Spatially Resolved Measurements of Physical Conditions and Chemical Composition. Astrophysical Journal, Supplement Series, 2018, 236, 40.	7.7	17
10	A statistical study of giant molecular clouds traced by 13CO, C18O, CS, and CH3OH in the disk of NGCâ€‰1068 based on ALMA observations. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	13
11	PHYSICAL CONTACT BETWEEN THE +20 km s^{â˜'1} CLOUD AND THE GALACTIC CIRCUMNUCLEAR DISK. Astrophysical Journal, 2017, 834, 121.	4.5	13
12	Physical Contact between the +20 km sâ˜'1 Cloud and the Galactic Circumnuclear Disk. Proceedings of the International Astronomical Union, 2016, 11, 145-146.	0.0	0
13	Kinematics of the Ultra-High-Velocity Gas in the Expanding Molecular Shell Adjacent to the W44 Supernova Remnant. Proceedings of the International Astronomical Union, 2016, 11, 151-153.	0.0	0
14	COâ€“0.30â€“0.07: A PECULIAR MOLECULAR CLUMP WITH AN EXTREMELY BROAD VELOCITY WIDTH IN THE CENTRAL MOLECULAR ZONE OF THE MILKY WAY. Astrophysical Journal, 2015, 806, 130.	4.5	7
15	MILLIMETER-WAVE SPECTRAL LINE SURVEYS TOWARD THE GALACTIC CIRCUMNUCLEAR DISK AND Sgr A*. Astrophysical Journal, Supplement Series, 2014, 214, 2.	7.7	9
16	HIGH VELOCITY COMPACT CLOUDS IN THE SAGITTARIUS C REGION. Astrophysical Journal, 2014, 783, 62.	4.5	15
17	KINEMATICS OF SHOCKED MOLECULAR GAS ADJACENT TO THE SUPERNOVA REMNANT W44. Astrophysical Journal, 2013, 774, 10.	4.5	36
18	ASTE CO J = 3-2 SURVEY OF THE GALACTIC CENTER. Astrophysical Journal, Supplement Series, 2012, 201, 14.	7.7	51

#	Article	IF	Citations
19	A NEW LOOK AT THE GALACTIC CIRCUMNUCLEAR DISK. Astrophysical Journal, 2011, 732, 120.	4.5	49
20	HIGH ATOMIC CARBON ABUNDANCE IN MOLECULAR CLOUDS IN THE GALACTIC CENTER REGION. Astrophysical Journal Letters, 2011, 743, L39.	8.3	24
21	Temperature Variations of Cold Dust in the Triangulum Galaxy M 33. Publication of the Astronomical Society of Japan, 2011, 63, 1139-1150.	2.5	11
22	A Large Expanding Molecular Arc in the Sagittarius B1 Complex. Publication of the Astronomical Society of Japan, 2009, 61, 461-469.	2.5	16
23	Physical Conditions of Molecular Gas in the Galactic Center. Publication of the Astronomical Society of Japan, 2007, 59, 25-31.	2.5	34
24	High-Resolution Mappings of the $l=1{lap{.}{^circ}}3$ Complex in Molecular Lines: Discovery of a Proto-Superbubble. Publication of the Astronomical Society of Japan, 2007, 59, 323-333.	2.5	39
25	Atomic Carbon in the Southern Milky Way. Astrophysical Journal, 2005, 623, 889-896.	4.5	21