

Tim A Van Kempen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,587
citations

567281

15
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

2840
citing authors

#	ARTICLE	IF	CITATIONS
1	THE <i>SPITZER</i> c2d LEGACY RESULTS: STAR-FORMATION RATES AND EFFICIENCIES; EVOLUTION AND LIFETIMES. <i>Astrophysical Journal, Supplement Series</i> , 2009, 181, 321-350.	7.7	1,244
2	A Major Asymmetric Dust Trap in a Transition Disk. <i>Science</i> , 2013, 340, 1199-1202.	12.6	492
3	THE DISK IMAGING SURVEY OF CHEMISTRY WITH SMA. I. TAURUS PROTOPLANETARY DISK DATA. <i>Astrophysical Journal</i> , 2010, 720, 480-493.	4.5	128
4	Satellite observations reveal extreme methane leakage from a natural gas well blowout. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26376-26381.	7.1	107
5	EMBEDDED PROTOSTARS IN THE DUST, ICE, AND GAS IN TIME (DIGIT) <i>HERSCHEL</i> KEY PROGRAM: CONTINUUM SEDs, AND AN INVENTORY OF CHARACTERISTIC FAR-INFRARED LINES FROM PACS SPECTROSCOPY. <i>Astrophysical Journal</i> , 2013, 770, 123.	4.5	102
6	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. <i>Astrophysical Journal Letters</i> , 2015, 808, L1.	8.3	90
7	APEX-CHAMP ⁺ ^{high-<i>J</i>} CO observations of low-mass young stellar objects. <i>Astronomy and Astrophysics</i> , 2012, 542, A86.	5.1	82
8	A CONCENTRATION OF CENTIMETER-SIZED GRAINS IN THE OPHIUCHUS IRS 48 DUST TRAP. <i>Astrophysical Journal Letters</i> , 2015, 810, L7.	8.3	65
9	Vast CO ₂ release from Australian fires in 2019–2020 constrained by satellite. <i>Nature</i> , 2021, 597, 366-369.	27.8	65
10	The TROPOSIF global sun-induced fluorescence dataset from the Sentinel-5P TROPOMI mission. <i>Earth System Science Data</i> , 2021, 13, 5423-5440.	9.9	54
11	AN ANALYSIS OF THE ENVIRONMENTS OF FU ORIONIS OBJECTS WITH <i>HERSCHEL</i> . <i>Astrophysical Journal</i> , 2013, 772, 117.	4.5	32
12	CO in Protostars (COPS): Herschel-SPIRE Spectroscopy of Embedded Protostars ⁺ ⁺ . <i>Astrophysical Journal</i> , 2018, 860, 174.	4.5	24
13	REVEALING THE MILLIMETER ENVIRONMENT OF THE NEW FU ORIONIS CANDIDATE HBC722 WITH THE SUBMILLIMETER ARRAY. <i>Astrophysical Journal</i> , 2012, 755, 157.	4.5	23
14	DISENTANGLING THE ENVIRONMENT OF THE FU ORIONIS CANDIDATE HBC 722 WITH <i>HERSCHEL</i> . <i>Astrophysical Journal Letters</i> , 2011, 731, L25.	8.3	22
15	Determination of the TROPOMI-SWIR instrument spectral response function. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3917-3933.	3.1	21
16	Characterization and correction of stray light in TROPOMI-SWIR. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4493-4507.	3.1	18
17	In-flight calibration and monitoring of the Tropospheric Monitoring Instrument (TROPOMI) short-wave infrared (SWIR) module. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6827-6844.	3.1	14
18	Monitoring the Tropospheric Monitoring Instrument (TROPOMI) short-wave infrared (SWIR) module instrument stability using desert sites. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6711-6722.	3.1	2

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19	Gas Cavities inside Dust Cavities in Disks Inferred from ALMA Observations. Proceedings of the International Astronomical Union, 2015, 10, 139-142.	0.0	1