

L Viktor Toth

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

1,415
citations

331670

21
h-index

377865

34
g-index

102
all docs

102
docs citations

102
times ranked

1930
citing authors

#	ARTICLE	IF	CITATIONS
19	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ III. Catalogues of candidate hot molecular cores and hyper/ultra compact Hâ€‰%<scp>ii</scp> regions. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2801-2818.	4.4	23
20	Catalogue of far-infrared loops in the Galaxy. Astronomy and Astrophysics, 2007, 463, 1227-1234.	5.1	22
21	Young stellar clusters in the Rosette molecular cloud. Astronomy and Astrophysics, 2013, 557, A29.	5.1	22
22	Planck Cold Clumps in the <i>Î»</i> Orionis Complex. II. Environmental Effects on Core Formation. Astrophysical Journal, Supplement Series, 2018, 236, 51.	7.7	22
23	SCOPE: SCUBA-2 Continuum Observations of Pre-protostellar Evolution â€“ survey description and compact source catalogue. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2895-2908.	4.4	22
24	Multi-scale analysis of the Monoceros OB 1 star-forming region. Astronomy and Astrophysics, 2019, 631, A3.	5.1	20
25	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ II. Compact objects in ACA observations and star formation scaling relations. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2821-2835.	4.4	20
26	Classifying GRB 170817A/GW170817 in a Fermi durationâ€“hardness plane. Astrophysics and Space Science, 2018, 363, 1.	1.4	19
27	The Properties of Planck Galactic Cold Clumps in the L1495 Dark Cloud. Astrophysical Journal, 2018, 856, 141.	4.5	19
28	Multiwavelength study of the high-latitude cloud L1642: chain of star formation. Astronomy and Astrophysics, 2014, 563, A125.	5.1	18
29	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ V. Hierarchical fragmentation and gas dynamics in IRDC G034.43+00.24. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5009-5022.	4.4	17
30	Star count analysis of the interstellar matter in the region of L1251. Astronomy and Astrophysics, 2004, 425, 133-141.	5.1	17
31	THE ARIZONA RADIO OBSERVATORY CO MAPPING SURVEY OF GALACTIC MOLECULAR CLOUDS. V. THE SH2-235 CLOUD IN CO J \hat{A} = $\hat{A}2\hat{A}$ $\hat{\sim}$ $\hat{A}1$, ¹³CO J \hat{A} = $\hat{A}2\hat{A}$ $\hat{\sim}$ $\hat{A}1$, AND CO J \hat{A} = $\hat{A}3\hat{A}$ $\hat{\sim}$ $\hat{A}2$. Astrophysical Journal, Supplement Series, 2016, 226, 13.	7.7	17
32	Galactic cold cores. Astronomy and Astrophysics, 2017, 601, A94.	5.1	16
33	ALMA Observations Reveal No Preferred Outflow-filament and Outflow-magnetic Field Orientations in Protoclusters. Astrophysical Journal, 2020, 890, 44.	4.5	16
34	Searching for electromagnetic counterpart of LIGO gravitational waves in the <i>Fermi</i> GBM data with ADWO. Astronomy and Astrophysics, 2016, 593, L10.	5.1	15
35	The clustering of gamma-ray bursts in the Herculesâ€“Coronaâ€“Borealis Great Wall: the largest structure in the Universe?. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2544-2553.	4.4	15
36	Molecular Cloud Cores with a High Deuterium Fraction: Nobeyama Single-pointing Survey. Astrophysical Journal, Supplement Series, 2020, 249, 33.	7.7	15

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37	Galactic cold cores. <i>Astronomy and Astrophysics</i> , 2018, 614, A83.	5.1	14
38	A very young star forming region detected by the ISOPHOT Serendipity Survey. <i>Astronomy and Astrophysics</i> , 2003, 398, 1007-1020.	5.1	13
39	Very cold cores in the Taurus Molecular Ring as seen by ISO. <i>Astronomy and Astrophysics</i> , 2004, 420, 533-546.	5.1	13
40	ALMA ACA and Nobeyama Observations of Two Orion Cores in Deuterated Molecular Lines. <i>Astrophysical Journal</i> , 2020, 895, 119.	4.5	13
41	A Catalog of Active Galactic Nuclei from the First 1.5 Gyr of the Universe. <i>Frontiers in Astronomy and Space Sciences</i> , 2017, 4, .	2.8	12
42	HST/NICMOS observations of a proto-brown dwarf candidate. <i>Astronomy and Astrophysics</i> , 2005, 433, L33-L36.	5.1	12
43	FOLLOW-UP OBSERVATIONS TOWARD PLANCK COLD CLUMPS WITH GROUND-BASED RADIO TELESCOPES. <i>Publications of the Korean Astronomical Society</i> , 2015, 30, 79-82.	0.0	12
44	Physical properties of Galactic Planck cold cores revealed by the Hi-GAL survey. <i>Astronomy and Astrophysics</i> , 2016, 591, A105.	5.1	11
45	The TOP-SCOPE Survey of PGCCs: PMO and SCUBA-2 Observations of 64 PGCCs in the Second Galactic Quadrant. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 49.	7.7	10
46	A CO survey on a sample of Herschel cold clumps. <i>Astronomy and Astrophysics</i> , 2017, 606, A102.	5.1	10
47	Gas versus solid-phase deuterated chemistry: HDCO and D2CO in massive star-forming regions. <i>Astronomy and Astrophysics</i> , 2017, 602, L3.	5.1	9
48	An ALMA study of outflow parameters of protoclusters: outflow feedback to maintain the turbulence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4316-4334.	4.4	9
49	Unveiling the weak radio quasar population at $z \geq 4$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2542-2549.	4.4	8
50	Star formation in the Cepheus Flare region: implications from morphology and infrared properties of optically selected clouds. <i>Astronomy and Astrophysics</i> , 2006, 453, 923-936.	5.1	7
51	Molecular Gas Properties in the Host Galaxy of GRB 080207. <i>Astrophysical Journal</i> , 2019, 876, 91.	4.5	7
52	First Data Release of the ESO-ARO Public Survey SAMPLING SMT All-sky Mapping of Planck Interstellar Nebulae in the Galaxy. <i>Research Notes of the AAS</i> , 2018, 2, 2.	0.7	7
53	Statistical properties of Fermi GBM GRBs spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 306-320.	4.4	6
54	<title>ISOPHOT far-infrared serendipity sky survey</title>. , 1998, 3349, 115.		5

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55	Probing the structure of a birthplace of intermediate-mass stars: Ammonia cores in Lynds 1340. <i>Astronomy and Astrophysics</i> , 2003, 398, 169-180.	5.1	5
56	Molecular Cloud Cores with High Deuterium Fractions: Nobeyama Mapping Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 25.	7.7	5
57	L 1274: A multiwavelength study of a dark cloud in the Cep-Cas void. <i>Astronomy and Astrophysics</i> , 2001, 367, 694-704.	5.1	5
58	ATOMS: ALMA three-millimeter observations of massive star-forming regions – VII. A catalogue of SiO clumps from ACA observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3618-3635.	4.4	5
59	Star formation and polycyclic aromatic hydrocarbons in ELAIS N1 galaxies as seen by AKARI. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	2.5	4
60	Ammonia Emission in Various Star-forming Environments: A Pilot Study of Planck Galactic Cold Clumps. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 17.	7.7	4
61	Infrared straylight measurements of the ISO telescope. , 1998, 3354, 996.		3
62	Extending the limits of globule detection. <i>Astronomy and Astrophysics</i> , 2002, 395, 663-667.	5.1	3
63	Anomalies in the GRBs' distribution. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 2-2.	0.0	3
64	Correlation of gas dynamics and dust in the evolved filament G82.65-02.00. <i>Astronomy and Astrophysics</i> , 2017, 608, A21.	5.1	3
65	Fermi GBM GRBs' multivariate statistics. <i>Astronomische Nachrichten</i> , 2018, 339, 352-357.	1.2	3
66	Low velocity shock-cloud encounters I.. <i>Astrophysics and Space Science</i> , 1995, 233, 169-173.	1.4	2
67	Low velocity shock-cloud encounters II.. <i>Astrophysics and Space Science</i> , 1995, 233, 175-179.	1.4	2
68	Multi-Wavelength Data Mining of the ISOPHOT Serendipity Sky Survey. , 2002, , .		2
69	Relationship between the large scale structure of the universe and spatial distribution of GRBs. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
70	Transient detection capabilities of small satellite gamma-ray detectors. <i>Astronomische Nachrichten</i> , 2019, 340, 681-689.	1.2	2
71	Nobeyama Survey of Inward Motions toward Cores in Orion Identified by SCUBA-2. <i>Astrophysical Journal</i> , 2022, 931, 33.	4.5	2
72	The Spatial Distribution of Gamma-Ray Bursts with Measured Redshifts from 24 Years of Observation. <i>Universe</i> , 2022, 8, 342.	2.5	2

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73	ISOPHOT: in-flight performance report. , 1998, , .		1
74	Footprints of triggering in large area surveys of the nearby ISM and YSOs. Proceedings of the International Astronomical Union, 2006, 2, 124-127.	0.0	1
75	Spatial distribution of GRBs and large scale structure of the Universe. Proceedings of the International Astronomical Union, 2015, 11, 3-4.	0.0	1
76	Massive cold cloud clusters. Proceedings of the International Astronomical Union, 2015, 12, 133-134.	0.0	1
77	Star formation in Taurus Auriga Perseus and California nebulae. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	1
78	Quasar Candidates behind the Milky Way Disk and M31. Research Notes of the AAS, 2019, 3, 3.	0.7	1
79	A statistical view on the galactic cold ISM distribution. Proceedings of the International Astronomical Union, 2012, 10, 579-579.	0.0	0
80	Pattern analysis of young stellar clusters. Proceedings of the International Astronomical Union, 2012, 8, 113-113.	0.0	0
81	YSOs in Taurus-Auriga-Perseus and Orion. Proceedings of the International Astronomical Union, 2012, 8, 64-64.	0.0	0
82	A snapshot beyond the Local Universe with Herschel/SPIRE. Proceedings of the International Astronomical Union, 2015, 11, 103-104.	0.0	0
83	Millimetre molecular lines in Planck cold clumps. Proceedings of the International Astronomical Union, 2015, 11, 60-60.	0.0	0
84	Apparent brightness distribution of GRB host galaxies. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
85	Time evolution of chemistry with fixed physical parameters in TMC-1. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
86	Kinematics of Selected Planck Galactic Cold Clumps. Proceedings of the International Astronomical Union, 2015, 11, 64-64.	0.0	0
87	The structure of the ISM in the Zone of Avoidance by high-resolution multi-wavelength observations. Proceedings of the International Astronomical Union, 2017, 12, 162-165.	0.0	0
88	Resolving the structure of the Galactic foreground using Herschel measurements and the Kriging technique. Proceedings of the International Astronomical Union, 2017, 12, 168-169.	0.0	0
89	The Zone of Avoidance as an X-ray absorber - the role of the galactic foreground modelling Swift XRT spectra. Proceedings of the International Astronomical Union, 2017, 12, 170-171.	0.0	0
90	Fine structure of Galactic foreground ISM towards high-redshift AGN α^{ϵ} utilizing Herschel PACS and SPIRE data. Proceedings of the International Astronomical Union, 2017, 12, 166-167.	0.0	0

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91	Cosmic Pathways to Life: From Interstellar Molecules to the First Traces of Life. Proceedings of the International Astronomical Union, 2018, 14, 1-14.	0.0	0
92	Star formation in dwarf galaxies in the ELAIS N1 field. Proceedings of the International Astronomical Union, 2018, 14, 292-295.	0.0	0
93	Pre- and protostellar cores in the Rosette Nebula. Proceedings of the International Astronomical Union, 2018, 14, 371-372.	0.0	0
94	Deuteration of formaldehyde - an important precursor of hydrogenated complex organic molecules - during star formation in our Galaxy. Proceedings of the International Astronomical Union, 2018, 14, 337-338.	0.0	0
95	The TOP-SCOPE survey of Planck Galactic Cold Clumps: The 200 brightest compact sources of Planck. Proceedings of the International Astronomical Union, 2018, 14, 373-374.	0.0	0
96	The restricted three-body problem in cylindrical clouds. Celestial Mechanics and Dynamical Astronomy, 2018, 130, 1.	1.4	0
97	HCL1 and HCL2 - low mass star formation in violent and quiet environments. Proceedings of the International Astronomical Union, 2018, 14, 333-334.	0.0	0
98	PAHs and star formation in ELAIS N1 as seen by AKARI. Proceedings of the International Astronomical Union, 2019, 15, 241-242.	0.0	0
99	Methods for identifying high-redshift galaxy cluster candidates. Astronomische Nachrichten, 2019, 340, 618-621.	1.2	0
100	Galactic foreground of gamma-ray bursts from AKARI Far-Infrared Surveyor. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	0
101	Multiwavelength study of star formation related objects. , 1994, , 313-314.		0