L Viktor Toth

List of Publications by Year in descending order

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
1	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
2	Ammonia Emission in Various Star-forming Environments: A Pilot Study of Planck Galactic Cold Clumps. Astrophysical Journal, Supplement Series, 2022, 258, 17.	7.7	4
3	ATOMS: ALMA three-millimeter observations of massive star-forming regions â€“ VII. A catalogue of SiO clumps from ACA observations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3618-3635.	4.4	5
4	Nobeyama Survey of Inward Motions toward Cores in Orion Identified by SCUBA-2. Astrophysical Journal, 2022, 931, 33.	4.5	2
5	The Spatial Distribution of Gamma-Ray Bursts with Measured Redshifts from 24 Years of Observation. Universe, 2022, 8, 342.	2.5	2
6	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
7	An ALMA study of outflow parameters of protoclusters: outflow feedback to maintain the turbulence. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4316-4334.	4.4	9
8	Molecular Cloud Cores with High Deuterium Fractions: Nobeyama Mapping Survey. Astrophysical Journal, Supplement Series, 2021, 256, 25.	7.7	5
9	The clustering of gamma-ray bursts in the Herculesâ€“CoronaÂBorealis Great Wall: the largest structure in the Universe?. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2544-2553.	4.4	15
10	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
11	ALMA Observations Reveal No Preferred Outflow-filament and Outflow-magnetic Field Orientations in Protoclusters. Astrophysical Journal, 2020, 890, 44.	4.5	16
12	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions â€“ I. Survey description and a first look at G9.62+0.19. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2790-2820.	4.4	45
13	ALMA ACA and Nobeyama Observations of Two Orion Cores in Deuterated Molecular Lines. Astrophysical Journal, 2020, 895, 119.	4.5	13
14	Molecular Cloud Cores with a High Deuterium Fraction: Nobeyama Single-pointing Survey. Astrophysical Journal, Supplement Series, 2020, 249, 33.	7.7	15
15	Unveiling the weak radio quasar population at $zge 4$. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2542-2549.	4.4	8
16	Star formation and polycyclic aromatic hydrocarbons in ELAIS N1 galaxies as seen by AKARI. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	4
17	Molecular Gas Properties in the Host Galaxy of GRB 080207. Astrophysical Journal, 2019, 876, 91.	4.5	7
18	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

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19	PAHs and star formation in ELAIS N1 as seen by AKARI. Proceedings of the International Astronomical Union, 2019, 15, 241-242.	0.0	0
20	Multi-scale analysis of the Monoceros OB 1 star-forming region. Astronomy and Astrophysics, 2019, 631, A3.	5.1	20
21	Methods for identifying highâ€redshift galaxy cluster candidates. Astronomische Nachrichten, 2019, 340, 618-621.	1.2	0
22	Transient detection capabilities of small satellite gammaâ€ray detectors. Astronomische Nachrichten, 2019, 340, 681-689.	1.2	2
23	Galactic foreground of gamma-ray bursts from AKARI Far-Infrared Surveyor. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	0
24	Quasar Candidates behind the Milky Way Disk and M31. Research Notes of the AAS, 2019, 3, 3.	0.7	1
25	Classifying GRB 170817A/GW170817 in a Fermi durationâ€“hardness plane. Astrophysics and Space Science, 2018, 363, 1.	1.4	19
26	The Properties of Planck Galactic Cold Clumps in the L1495 Dark Cloud. Astrophysical Journal, 2018, 856, 141.	4.5	19
27	The TOP-SCOPE Survey of Planck Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. Astrophysical Journal, Supplement Series, 2018, 234, 28.	7.7	50
28	Statistical properties of Fermi GBM GRBsâ€™ spectra. Monthly Notices of the Royal Astronomical Society, 2018, 475, 306-320.	4.4	6
29	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
30	Star formation in dwarf galaxies in the ELAIS N1 field. Proceedings of the International Astronomical Union, 2018, 14, 292-295.	0.0	0
31	Pre- and protostellar cores in the Rosette Nebula. Proceedings of the International Astronomical Union, 2018, 14, 371-372.	0.0	0
32	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
33	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
34	Planck Cold Clumps in the Î» Orionis Complex. II. Environmental Effects on Core Formation. Astrophysical Journal, Supplement Series, 2018, 236, 51.	7.7	22
35	Fermi GBM GRBs' multivariate statistics. Astronomische Nachrichten, 2018, 339, 352-357.	1.2	3
36	The restricted three-body problem in cylindrical clouds. Celestial Mechanics and Dynamical Astronomy, 2018, 130, 1.	1.4	0

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37	Galactic cold cores. Astronomy and Astrophysics, 2018, 614, A83.	5.1	14
38	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
39	The TOP-SCOPE Survey of PGCCs: PMO and SCUBA-2 Observations of 64 PGCCs in the Second Galactic Quadrant. Astrophysical Journal, Supplement Series, 2018, 236, 49.	7.7	10
40	A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields. Astrophysical Journal, 2018, 859, 151.	4.5	57
41	First Data Release of the ESO-ARO Public Survey SAMPLINGâ€”SMT â€œAll-skyâ€•Mapping of Planck Interstellar Nebulae in the Galaxy. Research Notes of the AAS, 2018, 2, 2.	0.7	7
42	Astrochemical Properties of Planck Cold Clumps. Astrophysical Journal, Supplement Series, 2017, 228, 12.	7.7	41
43	Relationship between the large scale structure of the universe and spatial distribution of GRBs. AIP Conference Proceedings, 2017, , .	0.4	2
44	Gas versus solid-phase deuterated chemistry: HDCO and D2CO in massive star-forming regions. Astronomy and Astrophysics, 2017, 602, L3.	5.1	9
45	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
46	A Catalog of Active Galactic Nuclei from the First 1.5 Gyr of the Universe. Frontiers in Astronomy and Space Sciences, 2017, 4, .	2.8	12
47	Correlation of gas dynamics and dust in the evolved filament G82.65-02.00. Astronomy and Astrophysics, 2017, 608, A21.	5.1	3
48	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
49	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
50	Galactic cold cores. Astronomy and Astrophysics, 2017, 601, A94.	5.1	16
51	Fine structure of Galactic foreground ISM towards high-redshift AGN â€“ utilizing Herschel PACS and SPIRE data. Proceedings of the International Astronomical Union, 2017, 12, 166-167.	0.0	0
52	A CO survey on a sample ofHerschelcold clumps. Astronomy and Astrophysics, 2017, 606, A102.	5.1	10
53	Galactic cold cores. Astronomy and Astrophysics, 2016, 591, A90.	5.1	24
54	Structure and stability in TMC-1: Analysis of NH₃molecular line andHerschelcontinuum data. Astronomy and Astrophysics, 2016, 590, A75.	5.1	35

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55	Searching for electromagnetic counterpart of LIGO gravitational waves in theFermiGBM data with ADWO. Astronomy and Astrophysics, 2016, 593, L10.	5.1	15
56	An all-sky support vector machine selection ofWISEYSO candidates. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3479-3488.	4.4	93
57	STAR FORMATION LAWS IN BOTH GALACTIC MASSIVE CLUMPS AND EXTERNAL GALAXIES: EXTENSIVE STUDY WITH DUST CONINUUM, HCN (4-3), AND CS (7-6). Astrophysical Journal, 2016, 829, 59.	4.5	38
58	THE ARIZONA RADIO OBSERVATORY CO MAPPING SURVEY OF GALACTIC MOLECULAR CLOUDS. V. THE SH2-235 CLOUD IN CO JÂ=Â2Ââ^'Â1, ¹³CO JÂ=Â2Ââ^'Â1, AND CO JÂ=Â3Ââ^'Â2. Astrophysical Journal, Supplement Series, 2016, 226, 13.	7.3	16
59	Physical properties of GalacticPlanckcold cores revealed by the Hi-GAL survey. Astronomy and Astrophysics, 2016, 591, A105.	5.1	11
60	Spatial distribution of GRBs and large scale structure of the Universe. Proceedings of the International Astronomical Union, 2015, 11, 3-4.	0.0	1
61	New data support the existence of the Hercules-Corona Borealis Great Wall. Astronomy and Astrophysics, 2015, 584, A48.	5.1	40
62	A snapshot beyond the Local Universe with Herschel/SPIRE. Proceedings of the International Astronomical Union, 2015, 11, 103-104.	0.0	0
63	Millimetre molecular lines in Planck cold clumps. Proceedings of the International Astronomical Union, 2015, 11, 60-60.	0.0	0
64	Apparent brightness distribution of GRB host galaxies. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
65	Time evolution of chemistry with fixed physical parameters in TMC-1. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
66	Kinematics of Selected Planck Galactic Cold Clumps. Proceedings of the International Astronomical Union, 2015, 11, 64-64.	0.0	0
67	Anomalies in the GRBs' distribution. Proceedings of the International Astronomical Union, 2015, 11, 2-2.	0.0	3
68	Massive cold cloud clusters. Proceedings of the International Astronomical Union, 2015, 12, 133-134.	0.0	1
69	Star formation in Taurus Auriga Perseus and California nebulae. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	1
70	Galactic cold cores. Astronomy and Astrophysics, 2015, 584, A93.	5.1	41
71	A giant ring-like structure at 0.78Â<Â<i>z</i>Â<Â0.86 displayed by GRBs. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2236-2246.	4.4	44
72	Galactic cold cores. Astronomy and Astrophysics, 2015, 584, A92.	5.1	37

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73	FOLLOW-UP OBSERVATIONS TOWARD PLANCK COLD CLUMPS WITH GROUND-BASED RADIO TELESCOPES. Publications of the Korean Astronomical Society, 2015, 30, 79-82.	0.0	12
74	Multiwavelength study of the high-latitude cloud L1642: chain of star formation. Astronomy and Astrophysics, 2014, 563, A125.	5.1	18
75	The AKARI Far-Infrared Surveyor young stellar object catalog. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	28
76	Young stellar clusters in the Rosette molecular cloud. Astronomy and Astrophysics, 2013, 557, A29.	5.1	22
77	A statistical view on the galactic cold ISM distribution. Proceedings of the International Astronomical Union, 2012, 10, 579-579.	0.0	0
78	Pattern analysis of young stellar clusters. Proceedings of the International Astronomical Union, 2012, 8, 113-113.	0.0	0
79	YSOs in Taurus-Auriga-Perseus and Orion. Proceedings of the International Astronomical Union, 2012, 8, 64-64.	0.0	0
80	Galactic cold cores. Astronomy and Astrophysics, 2012, 541, A12.	5.1	114
81	Galactic cold cores:Herschelstudy of firstPlanckdetections. Astronomy and Astrophysics, 2010, 518, L93.	5.1	54
82	Catalogue of far-infrared loops in the Galaxy. Astronomy and Astrophysics, 2007, 463, 1227-1234.	5.1	22
83	Star formation in the Cepheus Flare region: implications from morphology and infrared properties of optically selected clouds. Astronomy and Astrophysics, 2006, 453, 923-936.	5.1	7
84	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
85	HCN and HNC mapping of the protostellar core Chamaeleon-MMS1. Astronomy and Astrophysics, 2006, 456, 1037-1043.	5.1	45
86	HST/NICMOS observations of a proto-brown dwarf candidate. Astronomy and Astrophysics, 2005, 433, L33-L36.	5.1	12
87	Far-infrared loops in the 2nd Galactic Quadrant. Astronomy and Astrophysics, 2004, 418, 131-141.	5.1	27
88	The European Large AreaISOSurvey - VIII. 90-Î¼m final analysis and source counts. Monthly Notices of the Royal Astronomical Society, 2004, 354, 924-934.	4.4	26
89	Very cold cores in the Taurus Molecular Ring as seen by ISO. Astronomy and Astrophysics, 2004, 420, 533-546.	5.1	13
90	Star count analysis of the interstellar matter in the region of L1251. Astronomy and Astrophysics, 2004, 425, 133-141.	5.1	17

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91	Probing the structure of a birthplace of intermediate-mass stars: Ammonia cores in LyndsÂ1340. Astronomy and Astrophysics, 2003, 398, 169-180.	5.1	5
92	A very young star forming region detected by the ISOPHOT Serendipity Survey. Astronomy and Astrophysics, 2003, 398, 1007-1020.	5.1	13
93	Multi-Wavelength Data Mining of the ISOPHOT Serendipity Sky Survey. , 2002, , .		2
94	Extending the limits of globule detection. Astronomy and Astrophysics, 2002, 395, 663-667.	5.1	3
95	L 1274: A multiwavelength study of a dark cloud in the Cep -Cas void. Astronomy and Astrophysics, 2001, 367, 694-704.	5.1	5
96	ISOPHOT: in-flight performance report. , 1998, , .		1
97	Infrared straylight measurements of the ISO telescope. , 1998, 3354, 996.		3
98	<title>ISOPHOT far-infrared serendipity sky survey</title>. , 1998, 3349, 115.		5
99	Low velocity shock-cloud encounters I.. Astrophysics and Space Science, 1995, 233, 169-173.	1.4	2
100	Low velocity shock-cloud encounters II.. Astrophysics and Space Science, 1995, 233, 175-179.	1.4	2
101	Multiwavelength study of star formation related objects. , 1994, , 313-314.		0