David Thilker

List of Publications by Year
in descending order

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67 papers	4,308 citations	136950 32 h-index	106344 65 g-index
67 all docs	67 docs citations	67 times ranked	3603 citing authors

#	Article	IF	Citations
1	The GALEX Ultraviolet Atlas of Nearby Galaxies. Astrophysical Journal, Supplement Series, 2007, 173, 185-255.	7.7	645
2	Star Formation in NGC 5194 (M51a): The Panchromatic View fromGALEXtoSpitzer. Astrophysical Journal, 2005, 633, 871-893.	4.5	362
3	An Ultravioletâ€toâ€Radio Broadband Spectral Atlas of Nearby Galaxies. Astrophysical Journal, 2007, 655, 863-884.	4.5	314
4	Revised Catalog of GALEX Ultraviolet Sources. I. The All-Sky Survey: GUVcat_AIS. Astrophysical Journal, Supplement Series, 2017, 230, 24.	7.7	239
5	EVIDENCE FOR A NONUNIFORM INITIAL MASS FUNCTION IN THE LOCAL UNIVERSE. Astrophysical Journal, 2009, 695, 765-780.	4.5	218
6	LEGACY EXTRAGALACTIC UV SURVEY (LEGUS) WITH THEHUBBLE SPACE TELESCOPE. I. SURVEY DESCRIPTION. Astronomical Journal, 2015, 149, 51.	4.7	155
7	Discovery of an Extended Ultraviolet Disk in the Nearby Galaxy NGC 4625. Astrophysical Journal, 2005, 627, L29-L32.	4.5	151
8	Sp i t zer MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. Astrophysical Journal, 2006, 638, L87-L92.	4.5	141
9	The Survey for Ionization in Neutral Gas Galaxies. III. Diffuse, Warm Ionized Medium and Escape of Ionizing Radiation. Astrophysical Journal, 2007, 661, 801-814.	4.5	139
10	Legacy ExtraGalactic UV Survey with The Hubble Space Telescope: Stellar Cluster Catalogs and First Insights Into Cluster Formation and Evolution in NGC 628^{âˆ—}. Astrophysical Journal, 2017, 841, 131.	4.5	107
11	Distances to PHANGS galaxies: New tip of the red giant branch measurements and adopted distances. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3621-3639.	4.4	106
12	Westerbork H I observations of high-velocity clouds near M 31 and M 33. Astronomy and Astrophysics, 2005, 436, 101-115.	5.1	75
13	Statistical Properties of the GALEX â€SDSS Matched Source Catalogs, and Classification of the UV Sources. Astrophysical Journal, Supplement Series, 2007, 173, 659-672.	7.7	67
14	Effective Radii of Young, Massive Star Clusters in Two LEGUS Galaxies^{âˆ—}. Astrophysical Journal, 2017, 841, 92.	4.5	66
15	The Resolved Stellar Populations in the LEGUS Galaxies1. Astrophysical Journal, Supplement Series, 2018, 235, 23.	7.7	63
16	TIGHTLY CORRELATED H I AND FUV EMISSION IN THE OUTSKIRTS OF M83. Astrophysical Journal Letters, 2010, 720, L31-L35.	8.3	62
17	Connecting young star clusters to CO molecular gas in NGC 7793 with ALMAâ€“LEGUS. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1016-1027.	4.4	62
18	OUTLYING H II REGIONS IN H I-SELECTED GALAXIES. Astronomical Journal, 2010, 139, 279-295.	4.7	61

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19	The Hierarchical Distribution of the Young Stellar Clusters in Six Local Star-forming Galaxies. Astrophysical Journal, 2017, 840, 113.	4.5	60
20	THE SPATIAL DISTRIBUTION OF THE YOUNG STELLAR CLUSTERS IN THE STAR-FORMING GALAXY NGC 628. Astrophysical Journal, 2015, 815, 93.	4.5	59
21	The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope. Astrophysical Journal, Supplement Series, 2022, 258, 10.	7.7	58
22	THE BRIGHTEST YOUNG STAR CLUSTERS IN NGC 5253. Astrophysical Journal, 2015, 811, 75.	4.5	56
23	THE SPACE DENSITY OF EXTENDED ULTRAVIOLET (XUV) DISKS IN THE LOCAL UNIVERSE AND IMPLICATIONS FOR GAS ACCRETION ONTO GALAXIES. Astrophysical Journal, 2011, 733, 74.	4.5	55
24	The young star cluster population of M51 with LEGUS â€“ I. A comprehensive study of cluster formation and evolution. Monthly Notices of the Royal Astronomical Society, 2018, 473, 996-1018.	4.4	49
25	SPITZEROBSERVATIONS OF STAR FORMATION IN THE EXTREME OUTER DISK OF M83 (NGC5236). Astronomical Journal, 2008, 136, 479-497.	4.7	44
26	HÂÎ± morphologies of star clusters: a LEGUS study of HÂii region evolution time-scales and stochasticity in low-mass clusters. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4648-4665.	4.4	42
27	Star cluster catalogues for the LEGUS dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4897-4919.	4.4	42
28	HIERARCHICAL STAR FORMATION IN NEARBY LEGUS GALAXIES. Astrophysical Journal Letters, 2014, 787, L15.	8.3	41
29	Searchfor star cluster age gradients across spiral arms of three LEGUS disc galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3590-3604.	4.4	40
30	STAR CLUSTER PROPERTIES IN TWO LEGUS GALAXIES COMPUTED WITH STOCHASTIC STELLAR POPULATION SYNTHESIS MODELS. Astrophysical Journal, 2015, 812, 147.	4.5	38
31	Deep transfer learning for star cluster classification: I. application to the PHANGSâ€“HST survey. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3178-3193.	4.4	38
32	Hierarchical star formation across the ring galaxy NGCÂ6503. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3508-3528.	4.4	34
33	PHANGSâ€“MUSE: The Hâ€¯II region luminosity function of local star-forming galaxies. Astronomy and Astrophysics, 2022, 658, A188.	5.1	34
34	SPIRAL-INDUCED STAR FORMATION IN THE OUTER DISKS OF GALAXIES. Astrophysical Journal, 2010, 713, 780-799.	4.5	33
35	PHANGSâ€“HST: star cluster spectral energy distribution fitting with <scp>cigale</scp>. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1366-1385.	4.4	33
36	Hierarchical star formation across the grand-design spiral NGCÂ1566. Monthly Notices of the Royal Astronomical Society, 2017, 468, 509-530.	4.4	32

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37	Simulations of XUV Disks with a Star Formation Density Threshold. Astrophysical Journal, 2008, 683, L13-L16.	4.5	31
38	Characterizing uniform star formation efficiencies with marginally stable galactic discs. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1106-1118.	4.4	30
39	The haloes and environments of nearby galaxies (HERON) â€“ I. Imaging, sample characteristics, and envelope diameters. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1539-1569.	4.4	28
40	Star cluster classification in the PHANGSâ€“HST survey: Comparison between human and machine learning approaches. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5294-5317.	4.4	28
41	PHANGS-HST: new methods for star cluster identification in nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4094-4127.	4.4	25
42	Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS. Astrophysical Journal, 2018, 855, 133.	4.5	24
43	Star Formation Histories of the LEGUS Dwarf Galaxies. I. Recent History of NGC 1705, NGC 4449, and Holmberg II*. Astrophysical Journal, 2018, 856, 62.	4.5	24
44	NGCâ€ƒ922 - a new drop-through ring galaxyâ˜… Monthly Notices of the Royal Astronomical Society, 2006, 370, 1607-1611.	4.4	23
45	Studying the ISM at â¼10 pc scale in NGC 7793 with MUSE. Astronomy and Astrophysics, 2020, 635, A134.	5.1	23
46	Star Formation Histories of the LEGUS Dwarf Galaxies. III. The Nonbursty Nature of 23 Star-forming Dwarf Galaxies*. Astrophysical Journal, 2019, 887, 112.	4.5	23
47	THE EVOLUTION OF STELLAR POPULATIONS IN THE OUTER DISKS OF SPIRAL GALAXIES. Astrophysical Journal, 2011, 731, 28.	4.5	19
48	Star Formation Histories of the LEGUS Dwarf Galaxies. II. Spatially Resolved Star Formation History of the Magellanic Irregular NGC 4449^{â—}. Astrophysical Journal, 2018, 857, 63.	4.5	19
49	The ultraviolet view of the Magellanic Clouds from GALEX: A first look at the LMC source catalog. Advances in Space Research, 2014, 53, 939-949.	2.6	18
50	The properties, origin and evolution of stellar clusters in galaxy simulations and observations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3580-3596.	4.4	17
51	Hâ€‰Î± morphologies of star clusters in 16 LEGUS galaxies: Constraints on Hâ€‰<scp>ii</scp> region evolution time-scales. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1294-1316.	4.4	17
52	The connection between galaxy environment and the luminosity function slopes of star-forming regions. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3766-3799.	4.4	14
53	Signatures of recent star formation in ring S0 galaxies. Astrophysics and Space Science, 2011, 335, 243-248.	1.4	13
54	The haloes and environments of nearby galaxies (HERON) â€“ II. The outer structure of edge-on galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1751-1770.	4.4	13

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55	Young stellar populations in the local group: an HST and GALEX comprehensive study. Astrophysics and Space Science, 2011, 335, 249-255.	1.4	12
56	Calibrating Star Formation Rate Prescriptions at Different Scales (10 pcâ€“1 kpc) in M31. Astrophysical Journal, 2019, 873, 3.	4.5	12
57	Candidate LBV stars in galaxy NGC 7793 found via HST photometry + MUSE spectroscopy. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2410-2428.	4.4	12
58	Heavy Elements Unveil the Non-primordial Origin of the Giant H I Ring in Leo. Astrophysical Journal Letters, 2021, 908, L39.	8.3	11
59	Linking stellar populations to H II regions across nearby galaxies. Astronomy and Astrophysics, 2022, 662, L6.	5.1	11
60	Near-identical star formation rate densities from HÎ± and FUVat redshift zero. Monthly Notices of the Royal Astronomical Society, 2018, 480, 119-133.	4.4	10
61	The initial mass function in the extended ultraviolet disc of M83. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2366-2390.	4.4	9
62	A BOINC based, citizen-science project for pixel spectral energy distribution fitting of resolved galaxies in multi-wavelength surveys. Astronomy and Computing, 2013, 3-4, 1-12.	1.7	6
63	A Comparison of Young Star Properties with Local Galactic Environment for LEGUS/LITTLE THINGS Dwarf Irregular Galaxies. Astronomical Journal, 2018, 156, 21.	4.7	4
64	DIISC-I: The Discovery of Kinematically Anomalous H i Clouds in M 100. Astrophysical Journal, 2021, 922, 69.	4.5	4
65	Gaseous nebulae and massive stars in the giant Hâ€I ring in Leo. Astronomy and Astrophysics, 2021, 651, A77.	5.1	3
66	DIISC-II: Unveiling the Connections between Star Formation and Interstellar Medium in the Extended Ultraviolet Disk of NGC 3344. Astrophysical Journal, 2021, 923, 199.	4.5	3
67	Ultraviolet imaging of planetary nebulae with $mathit{GALEX}$. Astrophysics and Space Science, 2018, 363, 1.	1.4	1