

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

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67
docs citations

67
times ranked

3603
citing authors

#	ARTICLE	IF	CITATIONS
1	PHANGSâ€“MUSE: The Hâ€“II region luminosity function of local star-forming galaxies. <i>Astronomy and Astrophysics</i> , 2022, 658, A188.	5.1	34
2	The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 10.	7.7	58
3	Hâ€“I± morphologies of star clusters in 16 LEGUS galaxies: Constraints on Hâ€“II region evolution time-scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1294-1316.	4.4	17
4	Linking stellar populations to H II regions across nearby galaxies. <i>Astronomy and Astrophysics</i> , 2022, 662, L6.	5.1	11
5	Distances to PHANGS galaxies: New tip of the red giant branch measurements and adopted distances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3621-3639.	4.4	106
6	Star cluster classification in the PHANGSâ€“ <i>HST</i> survey: Comparison between human and machine learning approaches. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5294-5317.	4.4	28
7	Heavy Elements Unveil the Non-primordial Origin of the Giant H I Ring in Leo. <i>Astrophysical Journal Letters</i> , 2021, 908, L39.	8.3	11
8	Gaseous nebulae and massive stars in the giant Hâ€“I ring in Leo. <i>Astronomy and Astrophysics</i> , 2021, 651, A77.	5.1	3
9	PHANGSâ€“ <i>HST</i> : star cluster spectral energy distribution fitting with <i>cigale</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1366-1385.	4.4	33
10	DIISC-I: The Discovery of Kinematically Anomalous H i Clouds in M 100. <i>Astrophysical Journal</i> , 2021, 922, 69.	4.5	4
11	PHANGS-HST: new methods for star cluster identification in nearby galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4094-4127.	4.4	25
12	DIISC-II: Unveiling the Connections between Star Formation and Interstellar Medium in the Extended Ultraviolet Disk of NGC 3344. <i>Astrophysical Journal</i> , 2021, 923, 199.	4.5	3
13	Deep transfer learning for star cluster classification: I. application to the PHANGSâ€“ <i>HST</i> survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3178-3193.	4.4	38
14	The haloes and environments of nearby galaxies (HERON) â€“ II. The outer structure of edge-on galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1751-1770.	4.4	13
15	The initial mass function in the extended ultraviolet disc of M83. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2366-2390.	4.4	9
16	Studying the ISM at âˆ¼10 pc scale in NGC 7793 with MUSE. <i>Astronomy and Astrophysics</i> , 2020, 635, A134.	5.1	23
17	Candidate LBV stars in galaxy NGC 7793 found via <i>HST</i> photometry + MUSE spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2410-2428.	4.4	12
18	The haloes and environments of nearby galaxies (HERON) â€“ I. Imaging, sample characteristics, and envelope diameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1539-1569.	4.4	28

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19	H α morphologies of star clusters: a LEGUS study of H α region evolution time-scales and stochasticity in low-mass clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4648-4665.	4.4	42
20	Calibrating Star Formation Rate Prescriptions at Different Scales (10 pc–1 kpc) in M31. <i>Astrophysical Journal</i> , 2019, 873, 3.	4.5	12
21	Star cluster catalogues for the LEGUS dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4897-4919.	4.4	42
22	Star Formation Histories of the LEGUS Dwarf Galaxies. III. The Nonbursty Nature of 23 Star-forming Dwarf Galaxies*. <i>Astrophysical Journal</i> , 2019, 887, 112.	4.5	23
23	The young star cluster population of M51 with LEGUS. I. A comprehensive study of cluster formation and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 996-1018.	4.4	49
24	Ultraviolet imaging of planetary nebulae with GALEX. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	1
25	The Resolved Stellar Populations in the LEGUS Galaxies I. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 23.	7.7	63
26	Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS. <i>Astrophysical Journal</i> , 2018, 855, 133.	4.5	24
27	A Comparison of Young Star Properties with Local Galactic Environment for LEGUS/LITTLE THINGS Dwarf Irregular Galaxies. <i>Astronomical Journal</i> , 2018, 156, 21.	4.7	4
28	Connecting young star clusters to CO molecular gas in NGC 7793 with ALMA–LEGUS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1016-1027.	4.4	62
29	Near-identical star formation rate densities from H α and FUV at redshift zero. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 119-133.	4.4	10
30	Search for star cluster age gradients across spiral arms of three LEGUS disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3590-3604.	4.4	40
31	Star Formation Histories of the LEGUS Dwarf Galaxies. I. Recent History of NGC 1705, NGC 4449, and Holmberg II*. <i>Astrophysical Journal</i> , 2018, 856, 62.	4.5	24
32	Star Formation Histories of the LEGUS Dwarf Galaxies. II. Spatially Resolved Star Formation History of the Magellanic Irregular NGC 4449. <i>Astrophysical Journal</i> , 2018, 857, 63.	4.5	19
33	The Hierarchical Distribution of the Young Stellar Clusters in Six Local Star-forming Galaxies. <i>Astrophysical Journal</i> , 2017, 840, 113.	4.5	60
34	Effective Radii of Young, Massive Star Clusters in Two LEGUS Galaxies. <i>Astrophysical Journal</i> , 2017, 841, 92.	4.5	66
35	The properties, origin and evolution of stellar clusters in galaxy simulations and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3580-3596.	4.4	17
36	Revised Catalog of GALEX Ultraviolet Sources. I. The All-Sky Survey: GUVcat_AIS. <i>Astrophysical Journal, Supplement Series</i> , 2017, 230, 24.	7.7	239

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37	Hierarchical star formation across the grand-design spiral NGC 1566. Monthly Notices of the Royal Astronomical Society, 2017, 468, 509-530.	4.4	32
38	Legacy ExtraGalactic UV Survey with The Hubble Space Telescope: Stellar Cluster Catalogs and First Insights Into Cluster Formation and Evolution in NGC 628. Astrophysical Journal, 2017, 841, 131.	4.5	107
39	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
40	Characterizing uniform star formation efficiencies with marginally stable galactic discs. Monthly Notices of the Royal Astronomical Society, 2016, 460, 1106-1118.	4.4	30
41	THE BRIGHTEST YOUNG STAR CLUSTERS IN NGC 5253. Astrophysical Journal, 2015, 811, 75.	4.5	56
42	STAR CLUSTER PROPERTIES IN TWO LEGUS GALAXIES COMPUTED WITH STOCHASTIC STELLAR POPULATION SYNTHESIS MODELS. Astrophysical Journal, 2015, 812, 147.	4.5	38
43	THE SPATIAL DISTRIBUTION OF THE YOUNG STELLAR CLUSTERS IN THE STAR-FORMING GALAXY NGC 628. Astrophysical Journal, 2015, 815, 93.	4.5	59
44	Hierarchical star formation across the ring galaxy NGC 6503. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3508-3528.	4.4	34
45	LEGACY EXTRAGALACTIC LIV SURVEY (LEGUS) WITH THE HUBBLE SPACE TELESCOPE. I. SURVEY DESCRIPTION. Astronomical Journal, 2015, 149, 51.	4.7	155
46	HIERARCHICAL STAR FORMATION IN NEARBY LEGUS GALAXIES. Astrophysical Journal Letters, 2014, 787, L15.	8.3	41
47	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
48	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
49	THE EVOLUTION OF STELLAR POPULATIONS IN THE OUTER DISKS OF SPIRAL GALAXIES. Astrophysical Journal, 2011, 731, 28.	4.5	19
50	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
51	Signatures of recent star formation in ring S0 galaxies. Astrophysics and Space Science, 2011, 335, 243-248.	1.4	13
52	Young stellar populations in the local group: an HST and GALEX comprehensive study. Astrophysics and Space Science, 2011, 335, 249-255.	1.4	12
53	TIGHTLY CORRELATED H I AND FUV EMISSION IN THE OUTSKIRTS OF M83. Astrophysical Journal Letters, 2010, 720, L31-L35.	8.3	62
54	SPIRAL-INDUCED STAR FORMATION IN THE OUTER DISKS OF GALAXIES. Astrophysical Journal, 2010, 713, 780-799.	4.5	33

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55	OUTLYING H II REGIONS IN H I-SELECTED GALAXIES. <i>Astronomical Journal</i> , 2010, 139, 279-295.	4.7	61
56	EVIDENCE FOR A NONUNIFORM INITIAL MASS FUNCTION IN THE LOCAL UNIVERSE. <i>Astrophysical Journal</i> , 2009, 695, 765-780.	4.5	218
57	Simulations of XUV Disks with a Star Formation Density Threshold. <i>Astrophysical Journal</i> , 2008, 683, L13-L16.	4.5	31
58	<i>SPITZER</i> OBSERVATIONS OF STAR FORMATION IN THE EXTREME OUTER DISK OF M83 (NGC5236). <i>Astronomical Journal</i> , 2008, 136, 479-497.	4.7	44
59	An Ultravioletâ€”Radio Broadband Spectral Atlas of Nearby Galaxies. <i>Astrophysical Journal</i> , 2007, 655, 863-884.	4.5	314
60	The Survey for Ionization in Neutral Gas Galaxies. III. Diffuse, Warm Ionized Medium and Escape of Ionizing Radiation. <i>Astrophysical Journal</i> , 2007, 661, 801-814.	4.5	139
61	Statistical Properties of the <i>GALEX</i> â€”SDSS Matched Source Catalogs, and Classification of the UV Sources. <i>Astrophysical Journal</i> , Supplement Series, 2007, 173, 659-672.	7.7	67
62	The <i>GALEX</i> Ultraviolet Atlas of Nearby Galaxies. <i>Astrophysical Journal</i> , Supplement Series, 2007, 173, 185-255.	7.7	645
63	Spitzer MIPS Infrared Imaging of M31: Further Evidence for a Spiral-Ring Composite Structure. <i>Astrophysical Journal</i> , 2006, 638, L87-L92.	4.5	141
64	NGCâ€”922 - a new drop-through ring galaxyâ€”.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 1607-1611.	4.4	23
65	Star Formation in NGC 5194 (M51a): The Panchromatic View from GALEX to Spitzer. <i>Astrophysical Journal</i> , 2005, 633, 871-893.	4.5	362
66	Discovery of an Extended Ultraviolet Disk in the Nearby Galaxy NGC 4625. <i>Astrophysical Journal</i> , 2005, 627, L29-L32.	4.5	151
67	Westerbork H I observations of high-velocity clouds near M 31 and M 33. <i>Astronomy and Astrophysics</i> , 2005, 436, 101-115.	5.1	75