

George Helou

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

9,758
citations

109137

35
h-index

155451

55
g-index

59
all docs

59
docs citations

59
times ranked

8612
citing authors

#	ARTICLE	IF	CITATIONS
1	SINGS: The SIRTfN nearby Galaxies Survey. Publications of the Astronomical Society of the Pacific, 2003, 115, 928-952.	1.0	1,048
2	The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002.	1.0	1,020
3	The Palomar Transient Factory: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2009, 121, 1395-1408.	1.0	900
4	The Infrared Spectral Energy Distribution of Normal Star-forming Galaxies: Calibration at Far-Infrared and Submillimeter Wavelengths. Astrophysical Journal, 2002, 576, 159-168.	1.6	757
5	Exploring the Optical Transient Sky with the Palomar Transient Factory. Publications of the Astronomical Society of the Pacific, 2009, 121, 1334-1351.	1.0	618
6	The Zwicky Transient Facility: Data Processing, Products, and Archive. Publications of the Astronomical Society of the Pacific, 2019, 131, 018003.	1.0	610
7	CALIBRATING EXTINCTION-FREE STAR FORMATION RATE DIAGNOSTICS WITH 33 GHz FREE-FREE EMISSION IN NGC 6946. Astrophysical Journal, 2011, 737, 67.	1.6	598
8	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. Science, 2017, 358, 1559-1565.	6.0	559
9	The Zwicky Transient Facility: Science Objectives. Publications of the Astronomical Society of the Pacific, 2019, 131, 078001.	1.0	453
10	KINGFISH—Key Insights on Nearby Galaxies: A Far-Infrared Survey with <i>Herschel</i> : Survey Description and Image Atlas 1. Publications of the Astronomical Society of the Pacific, 2011, 123, 1347-1369.	1.0	349
11	A TWO-PARAMETER MODEL FOR THE INFRARED/SUBMILLIMETER/RADIO SPECTRAL ENERGY DISTRIBUTIONS OF GALAXIES AND ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2014, 784, 83.	1.6	250
12	Candidate Electromagnetic Counterpart to the Binary Black Hole Merger Gravitational-Wave Event S190521g. Physical Review Letters, 2020, 124, 251102.	2.9	226
13	Inefficient star formation in extremely metal poor galaxies. Nature, 2014, 514, 335-338.	13.7	176
14	<i>Planck</i> early results. XX. New light on anomalous microwave emission from spinning dust grains. Astronomy and Astrophysics, 2011, 536, A20.	2.1	155
15	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A25.	2.1	153
16	A tidal disruption event coincident with a high-energy neutrino. Nature Astronomy, 2021, 5, 510-518.	4.2	136
17	Planck intermediate results. Astronomy and Astrophysics, 2014, 566, A55.	2.1	134
18	<i>Planck</i> intermediate results. XXII. Frequency dependence of thermal emission from Galactic dust: intensity and polarization. Astronomy and Astrophysics, 2015, 576, A107.	2.1	125

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19	The Palomar Transient Factory Photometric Calibration. Publications of the Astronomical Society of the Pacific, 2012, 124, 62-73.	1.0	124
20	The Zwicky Transient Facility Alert Distribution System. Publications of the Astronomical Society of the Pacific, 2019, 131, 018001.	1.0	106
21	General relativistic orbital decay in a seven-minute-orbital-period eclipsing binary system. Nature, 2019, 571, 528-531.	13.7	96
22	The Zwicky Transient Facility Bright Transient Survey. I. Spectroscopic Classification and the Redshift Completeness of Local Galaxy Catalogs. Astrophysical Journal, 2020, 895, 32.	1.6	91
23	THE STAR FORMATION IN RADIO SURVEY: GBT 33 GHz OBSERVATIONS OF NEARBY GALAXY NUCLEI AND EXTRANUCLEAR STAR-FORMING REGIONS. Astrophysical Journal, 2012, 761, 97.	1.6	83
24	The IPAC Image Subtraction and Discovery Pipeline for the Intermediate Palomar Transient Factory. Publications of the Astronomical Society of the Pacific, 2017, 129, 014002.	1.0	80
25	THE DETECTION OF ANOMALOUS DUST EMISSION IN THE NEARBY GALAXY NGC 6946. Astrophysical Journal Letters, 2010, 709, L108-L113.	3.0	73
26	The Koala: A Fast Blue Optical Transient with Luminous Radio Emission from a Starburst Dwarf Galaxy at $z=0.27$. Astrophysical Journal, 2020, 895, 49.	1.6	72
27	Nascent Starbursts in Synchrotron-deficient Galaxies with Hot Dust. Astrophysical Journal, 2003, 593, 733-759.	1.6	69
28	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. Astrophysical Journal, 2020, 905, 145.	1.6	69
29	Planck intermediate results. XV. A study of anomalous microwave emission in Galactic clouds. Astronomy and Astrophysics, 2014, 565, A103.	2.1	67
30	ASTEROID LIGHT CURVES FROM THE PALOMAR TRANSIENT FACTORY SURVEY: ROTATION PERIODS AND PHASE FUNCTIONS FROM SPARSE PHOTOMETRY. Astronomical Journal, 2015, 150, 75.	1.9	66
31	A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. Astrophysical Journal, 2020, 905, 32.	1.6	62
32	The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. Astrophysical Journal, 2020, 905, 58.	1.6	57
33	A highly magnetized and rapidly rotating white dwarf as small as the Moon. Nature, 2021, 595, 39-42.	13.7	56
34	Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: The KINGFISH Sample. Astrophysical Journal, 2020, 889, 150.	1.6	54
35	SN2019dgc: A Helium-rich Ultra-stripped Envelope Supernova. Astrophysical Journal, 2020, 900, 46.	1.6	38
36	Multiple Outbursts of Asteroid (6478) Gault*. Astrophysical Journal Letters, 2019, 874, L16.	3.0	26

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37	A Twilight Search for Atiras, Vatiras, and Co-orbital Asteroids: Preliminary Results. <i>Astronomical Journal</i> , 2020, 159, 70.	1.9	25
38	Small Near-Earth Asteroids in the Palomar Transient Factory Survey: A Real-Time Streak-detection System. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 034402.	1.0	24
39	A New Detection of Extragalactic Anomalous Microwave Emission in a Compact, Optically Faint Region of NGC 4725. <i>Astrophysical Journal</i> , 2018, 862, 20.	1.6	20
40	MICROWAVE CONTINUUM EMISSION AND DENSE GAS TRACERS IN NGC 3627: COMBINING JANSKY VLA AND ALMA OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 813, 118.	1.6	19
41	Discovery of an Intermediate-luminosity Red Transient in M51 and Its Likely Dust-obscured, Infrared-variable Progenitor. <i>Astrophysical Journal Letters</i> , 2019, 880, L20.	3.0	19
42	Properties of the KISS Green Pea Galaxies. <i>Astrophysical Journal</i> , 2020, 898, 68.	1.6	17
43	Toward Efficient Detection of Small Near-Earth Asteroids Using the Zwicky Transient Facility (ZTF). <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 078002.	1.0	14
44	Initial Characterization of Active Transitioning Centaur, P/2019 LD ₂ (ATLAS), Using Hubble, Spitzer, ZTF, Keck, Apache Point Observatory, and GROWTH Visible and Infrared Imaging and Spectroscopy. <i>Astronomical Journal</i> , 2021, 161, 116.	1.9	13
45	X-RAY EMISSION FROM THE TAFFY (VV254) GALAXIES AND BRIDGE. <i>Astrophysical Journal</i> , 2015, 812, 118.	1.6	11
46	Outbursts at Comets 46P/Wirtanen, 64P/Swift-Gehrels, and 78P/Gehrels 2 in 2018. <i>Research Notes of the AAS</i> , 2019, 3, 126.	0.3	7
47	Joint Survey Processing. I. Compact Oddballs in the COSMOS Field—Low-luminosity Quasars at $z > 6$?. <i>Astrophysical Journal</i> , 2022, 929, 66.	1.6	7
48	Tails: Chasing Comets with the Zwicky Transient Facility and Deep Learning. <i>Astronomical Journal</i> , 2021, 161, 218.	1.9	6
49	Best Practices for Data Publication in the Astronomical Literature. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 5.	3.0	6
50	Where's the Dust?: The Deepening Anomaly of Microwave Emission in NGC 4725 B. <i>Astrophysical Journal Letters</i> , 2020, 905, L23.	3.0	4
51	The ISO Perspective on Normal Galaxies. <i>Highlights of Astronomy</i> , 1998, 11, 1134-1136.	0.0	2
52	Comet 240P/NEAT Is Stirring. <i>Astrophysical Journal Letters</i> , 2019, 886, L16.	3.0	2
53	A Flaring AGN in a ULIRG Candidate in Stripe 82. <i>Astrophysical Journal</i> , 2019, 883, 154.	1.6	2
54	Far Infrared Emission from Galactic and Extragalactic Dust. <i>Symposium - International Astronomical Union</i> , 1989, 135, 285-301.	0.1	1

#	ARTICLE	IF	CITATIONS
55	Radio and optical connected. Nature, 1995, 375, 448-449.	13.7	0
56	No evidence for evolution in the Far-Infrared-Radio correlation out to $z \sim 2$ in the ECDFS. Proceedings of the International Astronomical Union, 2011, 7, 404-406.	0.0	0