

Karl Gebhardt

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

12,060
citations

147801

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161849

54
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61
all docs

61
docs citations

61
times ranked

6087
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas inflows in the polar ring of NGC 4111: the birth of an AGN. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2556-2572.	4.4	1
2	Surface Brightness Profile of Lyman- α Halos out to 320 kpc in HETDEX. Astrophysical Journal, 2022, 929, 90.	4.5	15
3	The Stars of the HETDEX Survey. I. Radial Velocities and Metal-poor Stars from Low-resolution Stellar Spectra. Astrophysical Journal, 2021, 911, 108.	4.5	8
4	The HETDEX Survey: The Ly α Escape Fraction from 3D-HST Emission-Line Galaxies at $z \approx 2$. Astrophysical Journal, 2021, 912, 100.	4.5	11
5	Correcting correlation functions for redshift-dependent interloper contamination. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3187-3206.	4.4	15
6	An ALMA Gas-dynamical Mass Measurement of the Supermassive Black Hole in the Local Compact Galaxy UGC 2698. Astrophysical Journal, 2021, 919, 77.	4.5	11
7	Detection of Lyman Continuum from $3.0 < z < 3.5$ Galaxies in the HETDEX Survey. Astrophysical Journal, 2021, 920, 122.	4.5	11
8	Dynamical Analysis of the Dark Matter and Central Black Hole Mass in the Dwarf Spheroidal Leo I. Astrophysical Journal, 2021, 921, 107.	4.5	14
9	First HETDEX Spectroscopic Determinations of Ly α and UV Luminosity Functions at $z = 2-3$: Bridging a Gap between Faint AGNs and Bright Galaxies. Astrophysical Journal, 2021, 922, 167.	4.5	19
10	The Hobby-Eberly Telescope Dark Energy Experiment (HETDEX) Survey Design, Reductions, and Detections*. Astrophysical Journal, 2021, 923, 217.	4.5	55
11	The HETDEX Instrumentation: Hobby-Eberly Telescope Wide-field Upgrade and VIRUS. Astronomical Journal, 2021, 162, 298.	4.7	52
12	Constraining cosmology with big data statistics of cosmological graphs. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5972-5986.	4.4	16
13	Cosmological 3D H I Gas Map with HETDEX Ly α Emitters and eBOSS QSOs at $z \approx 2$: IGM Galaxy/QSO Connection and a ~ 440 Mpc Scale Giant H II Bubble Candidate. Astrophysical Journal, 2020, 903, 24.	4.5	9
14	Unbiased Cosmological Parameter Estimation from Emission-line Surveys with Interlopers. Astrophysical Journal, 2019, 876, 32.	4.5	19
15	Completion and performance of the Hobby-Eberly Telescope wide field upgrade. , 2018, , .		9
16	VIRUS: status and performance of the massively replicated fiber integral field spectrograph for the upgraded Hobby-Eberly Telescope. , 2018, , .		12
17	A Black Hole Mass Determination for the Compact Galaxy Mrk 1216. Astrophysical Journal, 2017, 835, 208.	4.5	23
18	Bayesian Redshift Classification of Emission-line Galaxies with Photometric Equivalent Widths. Astrophysical Journal, 2017, 843, 130.	4.5	26

#	ARTICLE	IF	CITATIONS
19	The structural and dynamical properties of compact elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4216-4245.	4.4	49
20	A $5 \text{--} 10 M_{\odot}$ BLACK HOLE IN NGC 1277 FROM ADAPTIVE OPTICS SPECTROSCOPY. Astrophysical Journal, 2016, 817, 2.	4.5	50
21	VIRUS characterization development and results from first batches of delivered units. Proceedings of SPIE, 2016, , .	0.8	2
22	The massive dark halo of the compact early-type galaxy NGC 1281. Monthly Notices of the Royal Astronomical Society, 2016, 456, 538-553.	4.4	15
23	Intermediate-mass black holes in globular clusters: observations and simulations - Update. Proceedings of the International Astronomical Union, 2015, 12, 240-245.	0.0	0
24	Re-evaluation of the central velocity-dispersion profile in NGC 6388. Astronomy and Astrophysics, 2015, 581, A1.	5.1	32
25	MRK 1216 and NGC 1277 – an orbit-based dynamical analysis of compact, high-velocity dispersion galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1792-1816.	4.4	42
26	THE BLACK HOLE IN THE COMPACT, HIGH-DISPERSION GALAXY NGC 1271. Astrophysical Journal, 2015, 808, 183.	4.5	40
27	HUNTING FOR SUPERMASSIVE BLACK HOLES IN NEARBY GALAXIES WITH THE HOBBY EBERLY TELESCOPE. Astrophysical Journal, Supplement Series, 2015, 218, 10.	7.7	69
28	DISCOVERY OF A LARGE NUMBER OF CANDIDATE PROTOCLUSTERS TRACED BY ~ 15 Mpc-SCALE GALAXY OVERDENSITIES IN COSMOS. Astrophysical Journal Letters, 2014, 782, L3.	8.3	67
29	THE HETDEX PILOT SURVEY. V. THE PHYSICAL ORIGIN OF $\text{Ly}\alpha$ EMITTERS PROBED BY NEAR-INFRARED SPECTROSCOPY. Astrophysical Journal, 2014, 791, 3.	4.5	82
30	THE BLACK HOLE MASS AND THE STELLAR RING IN NGC 3706. Astrophysical Journal, 2014, 781, 112.	4.5	6
31	DWARF GALAXY DARK MATTER DENSITY PROFILES INFERRED FROM STELLAR AND GAS KINEMATICS. Astrophysical Journal, 2014, 789, 63.	4.5	108
32	Intermediate-mass black holes in globular clusters: observations and simulations. Proceedings of the International Astronomical Union, 2014, 10, 181-188.	0.0	2
33	VARIATIONS IN A UNIVERSAL DARK MATTER PROFILE FOR DWARF SPHEROIDALS. Astrophysical Journal Letters, 2013, 775, L30.	8.3	29
34	Galaxy redshift surveys with sparse sampling. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 030-030.	5.4	23
35	ANCIENT LIGHT FROM YOUNG COSMIC CITIES: PHYSICAL AND OBSERVATIONAL SIGNATURES OF GALAXY PROTO-CLUSTERS. Astrophysical Journal, 2013, 779, 127.	4.5	236
36	THE HETDEX PILOT SURVEY. IV. THE EVOLUTION OF $[\text{O II}]$ EMITTING GALAXIES FROM $z \sim 0.5$ TO $z \sim 0$. Astrophysical Journal, 2013, 769, 83.	4.5	47

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37	THE VIRUS-P EXPLORATION OF NEARBY GALAXIES (VENGA): THE CO GRADIENT IN NGC 628. <i>Astrophysical Journal</i> , 2013, 764, 117.	4.5	36
38	An over-massive black hole in the compact lenticular galaxy NGC 1277. <i>Nature</i> , 2012, 491, 729-731.	27.8	179
39	DYNAMICAL MEASUREMENTS OF BLACK HOLE MASSES IN FOUR BRIGHTEST CLUSTER GALAXIES AT 100 Mpc. <i>Astrophysical Journal</i> , 2012, 756, 179.	4.5	109
40	Two ten-billion-solar-mass black holes at the centres of giant elliptical galaxies. <i>Nature</i> , 2011, 480, 215-218.	27.8	305
41	THE BLACK HOLE MASS IN THE BRIGHTEST CLUSTER GALAXY NGC 6086. <i>Astrophysical Journal</i> , 2011, 728, 100.	4.5	32
42	THE HETDEX PILOT SURVEY. II. THE EVOLUTION OF THE $L_{\text{Ly}\alpha}$ ESCAPE FRACTION FROM THE ULTRAVIOLET SLOPE AND LUMINOSITY FUNCTION OF 1.9 z 3.8 LAEs. <i>Astrophysical Journal</i> , 2011, 736, 31.	4.5	152
43	EFFECT OF A DARK MATTER HALO ON THE DETERMINATION OF BLACK HOLE MASSES. <i>Astrophysical Journal</i> , 2011, 729, 21.	4.5	74
44	THE HETDEX PILOT SURVEY. I. SURVEY DESIGN, PERFORMANCE, AND CATALOG OF EMISSION-LINE GALAXIES. <i>Astrophysical Journal</i> , Supplement Series, 2011, 192, 5.	7.7	134
45	Intermediate Mass Black Holes in Galactic Globular Clusters. , 2010, , .		0
46	A STELLAR DYNAMICAL MEASUREMENT OF THE BLACK HOLE MASS IN THE MASER GALAXY NGC 4258. <i>Astrophysical Journal</i> , 2009, 693, 946-969.	4.5	62
47	THE M_{BH} AND $M_{\text{BH}}-L_{\text{IR}}$ RELATIONS IN GALACTIC BULGES, AND DETERMINATIONS OF THEIR INTRINSIC SCATTER. <i>Astrophysical Journal</i> , 2009, 698, 198-221.	4.5	1,220
48	Adaptive Optics-Based Measurements of the Black Hole in Abell 2162 "BCG. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 208-208.	0.0	0
49	Gemini/GMOS spectroscopy of the spheroidal and globular cluster system of NGC 3923. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 385, 40-52.	4.4	48
50	The Masses of Nuclear Black Holes in Luminous Elliptical Galaxies and Implications for the Space Density of the Most Massive Black Holes. <i>Astrophysical Journal</i> , 2007, 662, 808-834.	4.5	345
51	Central Dynamics of Globular Clusters: the Case for a Black Hole in ω Centauri. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 341-345.	0.0	1
52	Joint Discussion 6 Neutron stars and black holes in star clusters. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 215-243.	0.0	2
53	Surface Brightness Profiles of Galactic Globular Clusters from Hubble Space Telescope Images. <i>Astronomical Journal</i> , 2006, 132, 447-466.	4.7	126
54	The Halo Mass Distribution of Field and Cluster Early-Type Galaxies. <i>Symposium - International Astronomical Union</i> , 2004, 220, 175-176.	0.1	0

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55	Axisymmetric Dynamical Models of the Central Regions of Galaxies. <i>Astrophysical Journal</i> , 2003, 583, 92-115.	4.5	324
56	A Relationship between Nuclear Black Hole Mass and Galaxy Velocity Dispersion. <i>Astrophysical Journal</i> , 2000, 539, L13-L16.	4.5	3,004
57	Axisymmetric, Three-Integral Models of Galaxies: A Massive Black Hole in NGC 3379. <i>Astronomical Journal</i> , 2000, 119, 1157-1171.	4.7	210
58	The Demography of Massive Dark Objects in Galaxy Centers. <i>Astronomical Journal</i> , 1998, 115, 2285-2305.	4.7	3,145
59	The Centers of Early-Type Galaxies With HST. III. Non-Parametric Recovery of Stellar Luminosity Distribution. <i>Astronomical Journal</i> , 1996, 112, 105.	4.7	205
60	Measures of location and scale for velocities in clusters of galaxies - A robust approach. <i>Astronomical Journal</i> , 1990, 100, 32.	4.7	1,119
61	Statistics of Two-point Correlation and Network Topology for Lyman Alpha Emitters at $z \approx 2.67$. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	3