Benjamin L Davis

List of Publications by Year
in descending order

27 papers	750 citations	566801 15 h-index	642321 23 g-index
27 all docs	27 docs citations	27 times ranked	998 citing authors

#	Article	IF	Citations
1	Black Hole Mass Scaling Relations for Early-type Galaxies. I. M_{BH}â€“M_{*,} _{sph} and M_{BH}â€“M_{*,gal}. Astrophysical Journal, 2019, 876, 155.	1.6	81
2	MEASUREMENT OF GALACTIC LOGARITHMIC SPIRAL ARM PITCH ANGLE USING TWO-DIMENSIONAL FAST FOURIER TRANSFORM DECOMPOSITION. Astrophysical Journal, Supplement Series, 2012, 199, 33.	3.0	78
3	Black Hole Mass Scaling Relations for Spiral Galaxies. I. M_{BH}â€“M_{*,sph}. Astrophysical Journal, 2019, 873, 85.	1.6	71
4	Black Hole Mass Scaling Relations for Spiral Galaxies. II. M_{BH}â€“M_{*,tot} and M_{BH}â€“M_{*,disk}. Astrophysical Journal, 2018, 869, 113.	1.6	66
5	Updating the (supermassive black hole mass)â€“(spiral arm pitch angle) relation: a strong correlation for galaxies with pseudobulges. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2187-2203.	1.6	55
6	Revealing Hidden Substructures in the M_{BH}â€“Ïƒ Diagram, and Refining the Bend in the Lâ€“Ïƒ Relation. Astrophysical Journal, 2019, 887, 10.	1.6	54
7	FURTHER EVIDENCE FOR A SUPERMASSIVE BLACK HOLE MASS-PITCH ANGLE RELATION. Astrophysical Journal, 2013, 769, 132.	1.6	51
8	THE BLACK HOLE MASS FUNCTION DERIVED FROM LOCAL SPIRAL GALAXIES. Astrophysical Journal, 2014, 789, 124.	1.6	43
9	STRONG EVIDENCE FOR THE DENSITY-WAVE THEORY OF SPIRAL STRUCTURE IN DISK GALAXIES. Astrophysical Journal Letters, 2016, 827, L2.	3.0	34
10	A FUNDAMENTAL PLANE OF SPIRAL STRUCTURE IN DISK GALAXIES. Astrophysical Journal Letters, 2015, 802, L13.	3.0	30
11	A Consistent Set of Empirical Scaling Relations for Spiral Galaxies: The (v_{max},) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.6	28
12	THE LOCAL BLACK HOLE MASS FUNCTION DERIVED FROM THE M_{BH}â€“P AND THE M_{BH}â€“n RELATIONS. Astrophysical Journal, 2016, 830, 117.	1.6	26
13	CONSTRAINING DARK MATTER HALO PROFILES AND GALAXY FORMATION MODELS USING SPIRAL ARM MORPHOLOGY. II. DARK AND STELLAR MASS CONCENTRATIONS FOR 13 NEARBY FACE-ON GALAXIES. Astrophysical Journal, 2014, 795, 90.	1.6	19
14	Expected intermediate mass black holes in the Virgo cluster. II. Late-type galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	19
15	Searching for intermediate-mass black holes in galaxies with low-luminosity AGN: a multiple-method approach. Astronomy and Astrophysics, 2017, 601, A20.	2.1	16
16	Investigating the Origins of Spiral Structure in Disk Galaxies through a Multiwavelength Study. Astrophysical Journal, 2019, 874, 177.	1.6	16
17	Defining the (Black Hole)â€“Spheroid Connection with the Discovery of Morphology-dependent Substructure in the M_{BH}â€“n_{sph} and M_{BH}â€“R_{e,sph} Diagrams: New Tests for Advanced Theories and Realistic Simulations. Astrophysical Journal, 2020, 903, 97.	1.6	15
18	Potential Black Hole Seeding of the Spiral Galaxy NGC 4424 via an Infalling Star Cluster. Astrophysical Journal, 2021, 923, 146.	1.6	9

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19	The (Black Hole Mass)â€“(Spheroid Stellar Density) Relations: M _{BH}â€“Î¼ (and M) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	8
20	Disc cloaking: Establishing a lower limit to the number density of local compact massive spheroids/bulges and the potential fate of some high-z red nuggets. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3410-3451.	1.6	8
21	Determining the co-rotation radii of spiral galaxies using spiral arm pitch angle measurements at multiple wavelengths. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1610-1619.	1.6	6
22	Evidence in favour of density wave theory through age gradients observed in star formation history maps and spatially resolved stellar clusters. Monthly Notices of the Royal Astronomical Society, 2022, 512, 366-377.	1.6	6
23	Central X-Ray Point Sources Found to Be Abundant in Low-mass, Late-type Galaxies Predicted to Contain an Intermediate-mass Black Hole. Astrophysical Journal, 2021, 923, 246.	1.6	5
24	Refining the mass estimate for the intermediate-mass black hole candidate in NGC 3319. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	4
25	Testing the Correlation between Spiral Arm Pitch Angle and Central Black Hole Mass. , 2010, , .		1
26	Substructure in black hole scaling diagrams and implications for the coevolution of black holes and galaxies. Proceedings of the International Astronomical Union, 2019, 15, 37-39.	0.0	1
27	The Arkansas Galaxy Evolution Survey: Supermassive Black Holes in the Universe. Proceedings of the International Astronomical Union, 2009, 5, 210-210.	0.0	0