

R I Davies

List of Publications by Year in descending order

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76
papers

8,780
citations

43973

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74018

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times ranked

4150
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#	ARTICLE	IF	CITATIONS
1	THE SINS SURVEY: SINFONI INTEGRAL FIELD SPECTROSCOPY OF $z \sim 1/4$ 2 STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2009, 706, 1364-1428.	1.6	887
2	From Rings to Bulges: Evidence for Rapid Secular Galaxy Evolution at $z \sim 1/4$ 2 from Integral Field Spectroscopy in the SINS Survey. <i>Astrophysical Journal</i> , 2008, 687, 59-77.	1.6	536
3	THE SINS SURVEY OF $z \sim 1/4$ 2 GALAXY KINEMATICS: PROPERTIES OF THE GIANT STAR-FORMING CLUMPS. <i>Astrophysical Journal</i> , 2011, 733, 101.	1.6	511
4	THE KMOS ^{3D} SURVEY: DESIGN, FIRST RESULTS, AND THE EVOLUTION OF GALAXY KINEMATICS FROM $0.7 \leq z < 2.7$. <i>Astrophysical Journal</i> , 2015, 799, 209.	1.6	406
5	SINFONI Integral Field Spectroscopy of $z \sim 1/4$ 2 UV-selected Galaxies: Rotation Curves and Dynamical Evolution. <i>Astrophysical Journal</i> , 2006, 645, 1062-1075.	1.6	400
6	The rapid formation of a large rotating disk galaxy three billion years after the Big Bang. <i>Nature</i> , 2006, 442, 786-789.	13.7	393
7	The SAMI Galaxy Survey: instrument specification and target selection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2857-2879.	1.6	370
8	A Close Look at Star Formation around Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2007, 671, 1388-1412.	1.6	356
9	FAST MOLECULAR OUTFLOWS IN LUMINOUS GALAXY MERGERS: EVIDENCE FOR QUASAR FEEDBACK FROM <i>HERSCHEL</i> . <i>Astrophysical Journal</i> , 2013, 776, 27.	1.6	313
10	THE SINS SURVEY: MODELING THE DYNAMICS OF $z \sim 1/4$ 2 GALAXIES AND THE HIGH- z TULLY-FISHER RELATION. <i>Astrophysical Journal</i> , 2009, 697, 115-132.	1.6	239
11	OUTFLOWS FROM ACTIVE GALACTIC NUCLEI: KINEMATICS OF THE NARROW-LINE AND CORONAL-LINE REGIONS IN SEYFERT GALAXIES [,] _, . <i>Astrophysical Journal</i> , 2011, 739, 69.	1.6	224
12	A diversity of dusty AGN tori. <i>Astronomy and Astrophysics</i> , 2013, 558, A149.	2.1	191
13	EVIDENCE FOR WIDE-SPREAD ACTIVE GALACTIC NUCLEUS-DRIVEN OUTFLOWS IN THE MOST MASSIVE $z \sim 1/4$ 1-2 STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 7.	1.6	184
14	THE SINS/ <i>z</i> -SINF SURVEY OF $z \sim 1/4$ 2 GALAXY KINEMATICS: OUTFLOW PROPERTIES. <i>Astrophysical Journal</i> , 2012, 761, 43.	1.6	182
15	The Star-forming Torus and Stellar Dynamical Black Hole Mass in the Seyfert 1 Nucleus of NGC 3227. <i>Astrophysical Journal</i> , 2006, 646, 754-773.	1.6	177
16	Strongly baryon-dominated disk galaxies at the peak of galaxy formation ten billion years ago. <i>Nature</i> , 2017, 543, 397-401.	13.7	177
17	THE SINS/ <i>z</i> -SINF SURVEY OF $z \sim 1/4$ 2 GALAXY KINEMATICS: EVIDENCE FOR POWERFUL ACTIVE GALACTIC NUCLEUS-DRIVEN NUCLEAR OUTFLOWS IN MASSIVE STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2014, 787, 38.	1.6	155
18	THE SINS/ <i>z</i> -SINF SURVEY OF $z \sim 1/4$ 2 GALAXY KINEMATICS: EVIDENCE FOR GRAVITATIONAL QUENCHING. <i>Astrophysical Journal</i> , 2014, 785, 75.	1.6	152

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19	The SINS/zC-SINF Survey of $z \sim 2$ Galaxy Kinematics: SINFONI Adaptive Optics-assisted Data and Kiloparsec-scale Emission-line Properties. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 21.	3.0	143
20	THE ROLE OF MOLECULAR GAS IN OBSCURING SEYFERT ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , 2009, 696, 448-470.	1.6	125
21	The KMOS ^{3D} Survey: Demographics and Properties of Galactic Outflows at $z = 0.6 - 2.7^*$. <i>Astrophysical Journal</i> , 2019, 875, 21.	1.6	118
22	HOW WELL CAN WE MEASURE THE INTRINSIC VELOCITY DISPERSION OF DISTANT DISK GALAXIES?. <i>Astrophysical Journal</i> , 2011, 741, 69.	1.6	107
23	THE ANGULAR MOMENTUM DISTRIBUTION AND BARYON CONTENT OF STAR-FORMING GALAXIES AT $z \sim 1 - 3^*$. <i>Astrophysical Journal</i> , 2016, 826, 214.	1.6	107
24	HIGH-REDSHIFT STAR-FORMING GALAXIES: ANGULAR MOMENTUM AND BARYON FRACTION, TURBULENT PRESSURE EFFECTS, AND THE ORIGIN OF TURBULENCE. <i>Astrophysical Journal</i> , 2010, 725, 2324-2332.	1.6	106
25	STELLAR AND MOLECULAR GAS KINEMATICS OF NGC 1097: INFLOW DRIVEN BY A NUCLEAR SPIRAL. <i>Astrophysical Journal</i> , 2009, 702, 114-128.	1.6	102
26	FUELING ACTIVE GALACTIC NUCLEI. II. SPATIALLY RESOLVED MOLECULAR INFLOWS AND OUTFLOWS. <i>Astrophysical Journal</i> , 2014, 792, 101.	1.6	100
27	THE SINS/zC-SINF SURVEY OF $z \sim 2$ GALAXY KINEMATICS: THE NATURE OF DISPERSION-DOMINATED GALAXIES. <i>Astrophysical Journal</i> , 2013, 767, 104.	1.6	97
28	THE zCOSMOS-SINFONI PROJECT. I. SAMPLE SELECTION AND NATURAL-SEEING OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 743, 86.	1.6	86
29	Molecular outflows in local galaxies: Method comparison and a role of intermittent AGN driving. <i>Astronomy and Astrophysics</i> , 2020, 633, A134.	2.1	85
30	The Evolution and Origin of Ionized Gas Velocity Dispersion from $z \sim 2.6$ to $z \sim 0.6$ with KMOS ^{3D} . <i>Astrophysical Journal</i> , 2019, 880, 48.	1.6	84
31	KMOS3D: DYNAMICAL CONSTRAINTS ON THE MASS BUDGET IN EARLY STAR-FORMING DISKS*. <i>Astrophysical Journal</i> , 2016, 831, 149.	1.6	83
32	The KMOS ^{3D} Survey: Data Release and Final Survey Paper*. <i>Astrophysical Journal</i> , 2019, 886, 124.	1.6	79
33	Ionized outflows in local luminous AGN: what are the real densities and outflow rates?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4150-4177.	1.6	78
34	The Evolution of the Tully-Fisher Relation between $z \sim 2.3$ and $z \sim 0.9$ with KMOS ^{3D} . <i>Astrophysical Journal</i> , 2017, 842, 121.	1.6	73
35	FUELING ACTIVE GALACTIC NUCLEI. I. HOW THE GLOBAL CHARACTERISTICS OF THE CENTRAL KILOPARSEC OF SEYFERTS DIFFER FROM QUIESCENT GALAXIES. <i>Astrophysical Journal</i> , 2013, 768, 107.	1.6	71
36	NEBULAR EXCITATION IN $z \sim 2$ STAR-FORMING GALAXIES FROM THE SINS AND LUCI SURVEYS: THE INFLUENCE OF SHOCKS AND ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , 2014, 781, 21.	1.6	65

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37	THE SINS/zC-SINF SURVEY OF $z \sim 1/4$ 2 GALAXY KINEMATICS: REST-FRAME MORPHOLOGY, STRUCTURE, AND COLORS FROM NEAR-INFRARED HUBBLE SPACE TELESCOPE IMAGING. <i>Astrophysical Journal</i> , 2015, 802, 101.	1.6	65
38	Kiloparsec Scale Properties of Star Formation Driven Outflows at $z \sim 1/4$ 2.3 in the SINS/zC-SINF AO Survey*. <i>Astrophysical Journal</i> , 2019, 873, 122.	1.6	65
39	Falling Outer Rotation Curves of Star-forming Galaxies at $0.6 \leq z \leq 2.6$ Probed with KMOS 3D and SINS/zC-SINF. <i>Astrophysical Journal</i> , 2017, 840, 92.	1.6	64
40	On the relation of optical obscuration and X-ray absorption in Seyfert galaxies. <i>Astronomy and Astrophysics</i> , 2016, 586, A28.	2.1	62
41	INSIGHTS ON THE DUSTY TORUS AND NEUTRAL TORUS FROM OPTICAL AND X-RAY OBSCURATION IN A COMPLETE VOLUME LIMITED HARD X-RAY AGN SAMPLE. <i>Astrophysical Journal</i> , 2015, 806, 127.	1.6	61
42	The Galaxy Activity, Torus, and Outflow Survey (GATOS). <i>Astronomy and Astrophysics</i> , 2021, 652, A98.	2.1	60
43	Obscuration in active galactic nuclei: near-infrared luminosity relations and dust colors. <i>Astronomy and Astrophysics</i> , 2015, 578, A47.	2.1	60
44	LLAMA: normal star formation efficiencies of molecular gas in the centres of luminous Seyfert galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5658-5679.	1.6	57
45	Rotation Curves in $z \sim 1/4$ 1 Star-forming Disks: Evidence for Cored Dark Matter Distributions. <i>Astrophysical Journal</i> , 2020, 902, 98.	1.6	55
46	The multiphase gas structure and kinematics in the circumnuclear region of NGC 5728. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5860-5887.	1.6	54
47	Molecular Hydrogen Excitation around Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2005, 633, 105-121.	1.6	51
48	Gas dynamics of the central few parsec region of NGC 1068 fuelled by the evolving nuclear star cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 1801-1811.	1.6	51
49	Starbursts and torus evolution in AGN. <i>Astronomy and Astrophysics</i> , 2008, 491, 441-453.	2.1	49
50	Nuclear molecular outflow in the Seyfert galaxy NGC 3227. <i>Astronomy and Astrophysics</i> , 2019, 628, A65.	2.1	48
51	Ionized and Molecular Gas Kinematics in a $z \sim 1.4$ Star-forming Galaxy*. <i>Astrophysical Journal Letters</i> , 2018, 854, L24.	3.0	43
52	Constraints on the broad-line region properties and extinction in local Seyferts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3570-3590.	1.6	40
53	The central parsec of NGC 3783: a rotating broad emission line region, asymmetric hot dust structure, and compact coronal line region. <i>Astronomy and Astrophysics</i> , 2021, 648, A117.	2.1	37
54	The Cepheid Distance to the Seyfert 1 Galaxy NGC 4151. <i>Astrophysical Journal</i> , 2020, 902, 26.	1.6	30

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55	Cold molecular gas and PAH emission in the nuclear and circumnuclear regions of Seyfert galaxies. <i>Astronomy and Astrophysics</i> , 2020, 639, A43.	2.1	25
56	A SINFONI view of the nuclear activity and circumnuclear star formation in NGC 4303. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 4192-4205.	1.6	22
57	Gemini NIFS survey of feeding and feedback processes in nearby active galaxies II. The sample and surface mass density profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1373-1389.	1.6	20
58	Adaptive optics near infrared integral field spectroscopy of NGC 2992. <i>Astronomy and Astrophysics</i> , 2010, 519, A79.	2.1	19
59	The KMOS ^{3D} Survey: Investigating the Origin of the Elevated Electron Densities in Star-forming Galaxies at $1 < z < 3$. <i>Astrophysical Journal</i> , 2021, 909, 78.	1.6	19
60	Rotation Curves in $z \sim 2$ Star-forming Disks: Comparison of Dark Matter Fractions and Disk Properties for Different Fitting Methods. <i>Astrophysical Journal</i> , 2021, 922, 143.	1.6	19
61	The kinematics and dark matter fractions of TNG50 galaxies at $z \sim 2$ from an observational perspective. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4597-4619.	1.6	17
62	The GRAVITY young stellar object survey. <i>Astronomy and Astrophysics</i> , 2021, 655, A73.	2.1	16
63	The AGNIFS survey: distribution and excitation of the hot molecular and ionized gas in the inner kpc of nearby AGN hosts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3265-3283.	1.6	15
64	Multiphase outflows in post-starburst E+A galaxies I. General sample properties and the prevalence of obscured starbursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4457-4479.	1.6	14
65	LLAMA: nuclear stellar properties of Swift-BAT AGN and matched inactive galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4582-4611.	1.6	13
66	Gemini NIFS survey of feeding and feedback processes in nearby active galaxies VI. Stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3906-3921.	1.6	12
67	A SINFONI view of the nuclear activity and circumnuclear star formation in NGC 4303 II. Spatially resolved stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 4437-4453.	1.6	11
68	The quenching of star formation in accretion-driven clumpy turbulent tori of active galactic nuclei. <i>Astronomy and Astrophysics</i> , 2013, 556, A31.	2.1	10
69	The Cepheid Distance to the Narrow-line Seyfert 1 Galaxy NGC 4051. <i>Astrophysical Journal</i> , 2021, 913, 3.	1.6	9
70	Do stellar winds play a decisive role in feeding AGN?. <i>Journal of Physics: Conference Series</i> , 2012, 372, 012046.	0.3	7
71	LLAMA: Stellar populations in the nuclei of ultra-hard X-ray-selected AGN and matched inactive galaxies. <i>Astronomy and Astrophysics</i> , 2021, 654, A132.	2.1	6
72	Stellar populations in local AGNs: evidence for enhanced star formation in the inner 100 pc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4653-4668.	1.6	6

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73	Determining Subparsec Supermassive Black Hole Binary Orbits with Infrared Interferometry. <i>Astrophysical Journal</i> , 2020, 905, 33.	1.6	3
74	Extragalactic integral field spectroscopy on the Gemini telescopes. <i>Astronomische Nachrichten</i> , 2004, 325, 139-142.	0.6	2
75	The search for living worlds and the connection to our cosmic origins. <i>Experimental Astronomy</i> , 2022, 54, 1275-1306.	1.6	1
76	Ionized outflows in local luminous AGN: Density and outflow rate. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 226-231.	0.0	0