

# David Wilman

## List of Publications by Year in descending order

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69  
papers

4,038  
citations

87888

38  
h-index

114465

63  
g-index

69  
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69  
docs citations

69  
times ranked

3401  
citing authors

#	ARTICLE	IF	CITATIONS
1	The KMOS <sup>3D</sup> Survey: Investigating the Origin of the Elevated Electron Densities in Star-forming Galaxies at $1 \leq z \leq 3$ . <i>Astrophysical Journal</i> , 2021, 909, 78.	4.5	19
2	The Kinematics of Massive Quiescent Galaxies at $1.4 \leq z \leq 2.1$ : Dark Matter Fractions, IMF Variation, and the Relation to Local Early-type Galaxies*. <i>Astrophysical Journal</i> , 2020, 899, 87.	4.5	19
3	The Evolution and Origin of Ionized Gas Velocity Dispersion from $z \approx 2.6$ to $z \approx 0.6$ with KMOS <sup>3D</sup> $\sigma_{\text{HI}}$ . <i>Astrophysical Journal</i> , 2019, 880, 48.	4.5	84
4	The KMOS <sup>3D</sup> Survey: Demographics and Properties of Galactic Outflows at $z = 0.6 \leq z < 2.7$ *. <i>Astrophysical Journal</i> , 2019, 875, 21.	4.5	118
5	Stellar mass-halo mass relation for the brightest central galaxies of X-ray clusters since $z \leq 0.65$ . <i>Astronomy and Astrophysics</i> , 2019, 631, A175.	5.1	21
6	The KMOS <sup>3D</sup> Survey: Data Release and Final Survey Paper*. <i>Astrophysical Journal</i> , 2019, 886, 124.	4.5	79
7	The KMOS <sup>3D</sup> Survey: Rotating Compact Star-forming Galaxies and the Decomposition of Integrated Line Widths*. <i>Astrophysical Journal</i> , 2018, 855, 97.	4.5	32
8	The KMOS Cluster Survey (KCS). II. The Effect of Environment on the Structural Properties of Massive Cluster Galaxies at Redshift $1.39 \leq z \leq 1.61$ *. <i>Astrophysical Journal</i> , 2018, 856, 8.	4.5	17
9	KMOS <sup>3D</sup> Reveals Low-level Star Formation Activity in Massive Quiescent Galaxies at $0.7 \leq z \leq 2.7$ . <i>Astrophysical Journal Letters</i> , 2017, 841, L6.	8.3	44
10	The Evolution of the Tully-Fisher Relation between $z \approx 2.3$ and $z \approx 0.9$ with KMOS <sup>3D</sup> $\sigma_{\text{HI}}$ . <i>Astrophysical Journal</i> , 2017, 842, 121.	4.5	73
11	Falling Outer Rotation Curves of Star-forming Galaxies at $0.6 \leq z \leq 2.6$ Probed with KMOS <sup>3D</sup> and SINGS/C-SINGS. <i>Astrophysical Journal</i> , 2017, 840, 92.	4.5	64
12	Strongly baryon-dominated disk galaxies at the peak of galaxy formation ten billion years ago. <i>Nature</i> , 2017, 543, 397-401.	27.8	177
13	The KMOS Cluster Survey (KCS). I. The Fundamental Plane and the Formation Ages of Cluster Galaxies at Redshift $1.4 \leq z \leq 1.6$ *. <i>Astrophysical Journal</i> , 2017, 846, 120.	4.5	31
14	Galaxy Environment in the 3D-HST Fields: Witnessing the Onset of Satellite Quenching at $z \approx 1$ . <i>Astrophysical Journal</i> , 2017, 835, 153.	4.5	88
15	The KMOS Cluster Survey (KCS). III. Fundamental Plane of Cluster Galaxies at $z \approx 1.80$ in JKCS 041*. <i>Astrophysical Journal</i> , 2017, 850, 203.	4.5	17
16	KMOS3D: DYNAMICAL CONSTRAINTS ON THE MASS BUDGET IN EARLY STAR-FORMING DISKS*. <i>Astrophysical Journal</i> , 2016, 831, 149.	4.5	83
17	Sizes, colour gradients and resolved stellar mass distributions for the massive cluster galaxies in XMMUJ2235-2557 at $z = 1.39$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3181-3209.	4.4	41
18	THE ANGULAR MOMENTUM DISTRIBUTION AND BARYON CONTENT OF STAR-FORMING GALAXIES AT $z \approx 1$ . <i>Astrophysical Journal</i> , 2016, 826, 214.	4.5	107

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19	Evidence for a change in the dominant satellite galaxy quenching mechanism at $z \approx 1$ . Monthly Notices of the Royal Astronomical Society, 2016, 456, 4364-4376.	4.4	98
20	Non-linearity and environmental dependence of the star-forming galaxies main sequence. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2839-2851.	4.4	56
21	MUSE sneaks a peek at extreme ram-pressure stripping events II. The physical properties of the gas tail of ESO137-g001. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2028-2041.	4.4	112
22	THE EVOLUTION OF METALLICITY AND METALLICITY GRADIENTS FROM $z = 2.7$ TO $0.6$ WITH KMOS-3D. Astrophysical Journal, 2016, 827, 74.	4.5	109
23	On the dependence of galaxy morphologies on galaxy mergers. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2968-2977.	4.4	16
24	FIRST RESULTS FROM THE VIRIAL SURVEY: THE STELLAR CONTENT OF $UVJ$ -SELECTED QUIESCENT GALAXIES AT $1.5 < z < 2$ FROM KMOS. Astrophysical Journal Letters, 2015, 804, L4.	8.3	35
25	The role of massive halos in the star formation history of the Universe. Astronomy and Astrophysics, 2015, 579, A132.	5.1	16
26	THE KMOS-3D SURVEY: DESIGN, FIRST RESULTS, AND THE EVOLUTION OF GALAXY KINEMATICS FROM $0.7 < z < 2.7$ . Astrophysical Journal, 2015, 799, 209.	4.5	406
27	The definition of environment and its relation to the quenching of galaxies at $z \approx 1$ in a hierarchical Universe. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2582-2598.	4.4	20
28	Ultra-deep catalog of X-ray groups in the Extended Chandra Deep Field South. Astronomy and Astrophysics, 2015, 576, A130.	5.1	39
29	The evolution of galaxy star formation activity in massive haloes. Astronomy and Astrophysics, 2015, 574, A105.	5.1	18
30	Reversal or no reversal: the evolution of the star formation rate-density relation up to $z \approx 1.6$ . Monthly Notices of the Royal Astronomical Society, 2014, 437, 458-474.	4.4	36
31	Star formation and environmental quenching of GEEC2 group galaxies at $z \approx 1$ . Monthly Notices of the Royal Astronomical Society, 2014, 438, 3070-3085.	4.4	31
32	The evolution of star formation activity in galaxy groups. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2725-2745.	4.4	15
33	The GEEC2 spectroscopic survey of Galaxy groups at $0.8 < z < 1$ . Monthly Notices of the Royal Astronomical Society, 2014, 443, 2679-2694.	4.4	40
34	A CONSISTENT STUDY OF METALLICITY EVOLUTION AT $0.8 < z < 2.6$ . Astrophysical Journal Letters, 2014, 789, L40.	8.3	96
35	The KMOS Galaxy Clusters Project. Proceedings of the International Astronomical Union, 2014, 10, 110-115.	0.0	0
36	More than just halo mass: modelling how the red galaxy fraction depends on multiscale density in an HOD framework. Monthly Notices of the Royal Astronomical Society, 2014, 438, 2233-2252.	4.4	3

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37	EVIDENCE FOR WIDE-SPREAD ACTIVE GALACTIC NUCLEUS-DRIVEN OUTFLOWS IN THE MOST MASSIVE $z \sim 1-2$ STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 7.	4.5	184
38	The influence of the environmental history on quenching star formation in a $\Lambda$ cold dark matter universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 2938-2959.	4.4	84
39	KMOS Clusters and VIRIAL GTO Surveys. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 293-294.	0.0	0
40	An X-Ray Detected Group of Quiescent Early-Type Galaxies at $z = 1.6$ in the Chandra Deep Field South. <i>Publication of the Astronomical Society of Japan</i> , 2013, 65, .	2.5	39
41	The hierarchical origins of observed galaxy morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 2986-3004.	4.4	47
42	The lack of star formation gradients in galaxy groups up to $z \sim 1.6$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 3089-3103.	4.4	31
43	Do group dynamics play a role in the evolution of member galaxies?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1715-1726.	4.4	21
44	Efficient satellite quenching at $z \sim 1$ from the GEEC2 spectroscopic survey of galaxy groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 1090-1106.	4.4	51
45	THE PHOTOMETRIC CLASSIFICATION SERVER FOR Pan-STARRS1. <i>Astrophysical Journal</i> , 2012, 746, 128.	4.5	31
46	THE RELATION BETWEEN GALAXY MORPHOLOGY AND ENVIRONMENT IN THE LOCAL UNIVERSE: AN RC3-SDSS PICTURE. <i>Astrophysical Journal</i> , 2012, 746, 160.	4.5	49
47	EXPLORING THE DIVERSITY OF GROUPS AT $0.1 < z < 0.8$ WITH X-RAY AND OPTICALLY SELECTED SAMPLES. <i>Astrophysical Journal</i> , 2012, 756, 139.	4.5	34
48	What determines the fraction of elliptical galaxies in clusters?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 1324-1330.	4.4	18
49	Measures of galaxy environment - I. What is $\tilde{\text{environment}}^{\text{TM}}$ ?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 2670-2682.	4.4	178
50	Beyond the fibre: resolved properties of Sloan Digital Sky Survey galaxies... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 197-215.	4.4	17
51	Substructure in the most massive GEEC groups: field-like populations in dynamically active groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 3594-3611.	4.4	50
52	THE NATURE OF STAR FORMATION AT $24 \mu\text{m}$ IN THE GROUP ENVIRONMENT AT $0.3 < z < 0.55$ . <i>Astrophysical Journal</i> , 2011, 738, 56.	4.5	6
53	Direct observational evidence for a large transient galaxy population in groups at $0.85 < z < 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 2303-2317.	4.4	85
54	The Dawn of the Red: star formation histories of group galaxies over the past 5 billion years. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 996-1012.	4.4	131

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55	Times, environments and channels of bulge formation in a Lambda cold dark matter cosmology. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1439-1454.	4.4	71
56	The other side of bulge formation in a $\Lambda$ cold dark matter cosmology: bulgeless galaxies in the local Universe. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	2
57	Mapping Star Forming & AGN Galaxies. , 2010, , .		0
58	A Multiscale Approach to Environment. , 2010, , .		0
59	MORPHOLOGICAL COMPOSITION OF $z \sim 0.4$ GROUPS: THE SITE OF S0 FORMATION. Astrophysical Journal, 2009, 692, 298-308.	4.5	128
60	STATISTICAL TOOLS FOR CLASSIFYING GALAXY GROUP DYNAMICS. Astrophysical Journal, 2009, 702, 1199-1210.	4.5	87
61	THE ROADMAP FOR UNIFICATION IN GALAXY GROUP SELECTION. I. A SEARCH FOR EXTENDED X-RAY EMISSION IN THE CNOC2 SURVEY. Astrophysical Journal, 2009, 704, 564-575.	4.5	59
62	The colour of galaxies in distant groups. Monthly Notices of the Royal Astronomical Society, 2009, 398, 754-768.	4.4	64
63	Evolution in the discs and bulges of group galaxies since $z=0.4$ . Monthly Notices of the Royal Astronomical Society, 2008, 387, 1605-1621.	4.4	24
64	Unveiling the Important Role of Groups in the Evolution of Massive Galaxies: Insights from an Infrared Passive Sequence at Intermediate Redshift. Astrophysical Journal, 2008, 680, 1009-1021.	4.5	39
65	The stellar mass content of distant galaxy groups. Monthly Notices of the Royal Astronomical Society, 2007, 374, 1169-1180.	4.4	34
66	The evolution of [OIII] emission from cluster galaxies. Monthly Notices of the Royal Astronomical Society, 2005, 357, 679-686.	4.4	17
67	Galaxy groups at $0.3 < z < 0.55$ - I. Group properties. Monthly Notices of the Royal Astronomical Society, 2005, 358, 71-87.	4.4	81
68	Galaxy groups at $0.3 < z < 0.55$ - II. Evolution to $z \sim 0$ . Monthly Notices of the Royal Astronomical Society, 2005, 358, 88-100.	4.4	60
69	The Strongly Polarized Afterglow of GRB 020405. Astrophysical Journal, 2003, 583, L63-L66.	4.5	56