

Harald Kuntschner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12037761/publications.pdf>

Version: 2024-02-01

100
papers

11,566
citations

38660

50
h-index

37111

96
g-index

100
all docs

100
docs citations

100
times ranked

4475
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS3D project - I. A volume-limited sample of 260 nearby early-type galaxies: science goals and selection criteria. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 813-836.	1.6	867
2	The ATLAS3D project - III. A census of the stellar angular momentum within the effective radius of early-type galaxies: unveiling the distribution of fast and slow rotators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 888-912.	1.6	587
3	The SAURON project - I. The panoramic integral-field spectrograph. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 326, 23-35.	1.6	532
4	The ATLAS3D project - XV. Benchmark for early-type galaxies scaling relations from 260 dynamical models: mass-to-light ratio, dark matter, Fundamental Plane and Mass Plane. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1709-1741.	1.6	532
5	Systematic variation of the stellar initial mass function in early-type galaxies. <i>Nature</i> , 2012, 484, 485-488.	13.7	496
6	The ATLAS3D project - XX. Mass-size and mass- σ distributions of early-type galaxies: bulge fraction drives kinematics, mass-to-light ratio, molecular gas fraction and stellar initial mass function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1862-1893.	1.6	496
7	The SAURON project - II. Sample and early results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 329, 513-530.	1.6	462
8	The SAURON project - III. Integral-field absorption-line kinematics of 48 elliptical and lenticular galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 352, 721-743.	1.6	395
9	The ATLAS3D project - II. Morphologies, kinematic features and alignment between photometric and kinematic axes of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2923-2949.	1.6	378
10	The ATLAS3D project - VII. A new look at the morphology of nearby galaxies: the kinematic morphology-density relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 1680-1696.	1.6	354
11	The ATLAS3D project - IV. The molecular gas content of early-type galaxies... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 940-967.	1.6	334
12	The ATLAS3D project - XIII. Mass and morphology of $H\alpha$ in early-type galaxies as a function of environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1835-1862.	1.6	326
13	The ATLAS3D Project - XXX. Star formation histories and stellar population scaling relations of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 3484-3513.	1.6	326
14	The SAURON project - XVII. Stellar population analysis of the absorption line strength maps of 48 early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 408, 97-132.	1.6	272
15	The SAURON project - XVI. On the sources of ionization for the gas in elliptical and lenticular galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2187-2210.	1.6	269
16	The ATLAS3D project - XXIX. The new look of early-type galaxies and surrounding fields disclosed by extremely deep optical images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 120-143.	1.6	243
17	The ATLAS3D project - X. On the origin of the molecular and ionized gas in early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 882-899.	1.6	235
18	The SAURON project - VII. Integral-field absorption and emission-line kinematics of 24 spiral galaxy bulges. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 529-566.	1.6	175

#	ARTICLE	IF	CITATIONS
19	The ATLAS3D Project â€“ XIV. The extent and kinematics of the molecular gas in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 429, 534-555.	1.6	175
20	The SAURON project â€“ VIII. OASIS/CFHT integral-field spectroscopy of elliptical and lenticular galaxy centres*. Monthly Notices of the Royal Astronomical Society, 2006, 373, 906-958.	1.6	167
21	The SAURON project - XII. Kinematic substructures in early-type galaxies: evidence for discs in fast rotators. Monthly Notices of the Royal Astronomical Society, 2008, 390, 93-117.	1.6	166
22	The ATLAS3D project - VI. Simulations of binary galaxy mergers and the link with fast rotators, slow rotators and kinematically distinct cores. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1654-1679.	1.6	164
23	The SAURON project - VI. Line strength maps of 48 elliptical and lenticular galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 369, 497-528.	1.6	155
24	The ATLAS3D Project â€“ XXVIII. Dynamically driven star formation suppression in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3427-3445.	1.6	150
25	The ATLAS3D project â€“ XVII. Linking photometric and kinematic signatures of stellar discs in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1768-1795.	1.6	127
26	Early-type galaxies in different environments: an H&fi view. Monthly Notices of the Royal Astronomical Society, 2010, 409, 500-514.	1.6	124
27	Early-type galaxies in low-density environments. Monthly Notices of the Royal Astronomical Society, 2002, 337, 172-198.	1.6	122
28	The ATLAS3D project â€“ XVIII. CARMA CO imaging survey of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1796-1844.	1.6	121
29	Stellar velocity profiles and line strengths out to four effective radii in the early-type galaxies NGCâ€“3379 and 821. Monthly Notices of the Royal Astronomical Society, 2009, 398, 561-574.	1.6	113
30	Galaxy Mapping with the SAURON Integral-Field Spectrograph: The Star Formation History of NGC 4365. Astrophysical Journal, 2001, 548, L33-L36.	1.6	110
31	The SAURON project - XV. Modes of star formation in early-type galaxies and the evolution of the red sequence. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2140-2186.	1.6	104
32	The ATLAS 3D project â€“ XXIV. The intrinsic shape distribution of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3340-3356.	1.6	100
33	The ATLAS3D project â€“ XXII. Low-efficiency star formation in early-type galaxies: hydrodynamic models and observations. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1914-1927.	1.6	94
34	The ATLAS3D project â€“ XXVII. Cold gas and the colours and ages of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3408-3426.	1.6	92
35	The ATLAS3D project - IX. The merger origin of a fast- and a slow-rotating early-type galaxy revealed with deep optical imaging: first results. Monthly Notices of the Royal Astronomical Society, 2011, 417, 863-881.	1.6	87
36	The ATLAS3D project - VIII. Modelling the formation and evolution of fast and slow rotator early-type galaxies within Λ CDM. Monthly Notices of the Royal Astronomical Society, 2011, 417, 845-862.	1.6	87

#	ARTICLE	IF	CITATIONS
37	The SAURON project - XIII. SAURON-GALEX study of early-type galaxies: the ultraviolet colour-magnitude relations and Fundamental Planes. Monthly Notices of the Royal Astronomical Society, 2009, 398, 2028-2048.	1.6	84
38	The SAURON Project - XIV. No escape from V_{esc} : a global and local parameter in early-type galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2009, 398, 1835-1857.	1.6	76
39	The ATLAS3D project â€“ XXI. Correlations between gradients of local escape velocity and stellar populations in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1894-1913.	1.6	73
40	The ATLAS ^{3D} project - XI. Dense molecular gas properties of CO-luminous early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1298-1314.	1.6	70
41	On the Origin of the Color-Magnitude Relation in the Virgo Cluster. Astrophysical Journal, 2001, 551, L127-L130.	1.6	64
42	Formation and evolution of S0 galaxies: a SAURON case study of NGC 7332. Monthly Notices of the Royal Astronomical Society, 2004, 350, 35-46.	1.6	64
43	Absorption-line strengths of 18 late-type spiral galaxies observed with SAURON. Monthly Notices of the Royal Astronomical Society, 2007, 380, 506-540.	1.6	63
44	The ATLAS3D project - V. The CO Tully-Fisher relation of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 414, 968-984.	1.6	61
45	The ATLAS3D Project â€“ XXIII. Angular momentum and nuclear surface brightness profiles. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2812-2839.	1.6	60
46	The ATLAS3D project â€“ XXVI. $H\alpha$ discs in real and simulated fast and slow rotators. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3388-3407.	1.6	58
47	Colour-magnitude relations and spectral line strengths in the Coma cluster. Monthly Notices of the Royal Astronomical Society, 1999, 310, 445-452.	1.6	55
48	The kinematics and spatial distribution of stellar populations in E+A galaxies. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1349-1369.	1.6	53
49	Discovery of a giant $H\alpha$ tail in the galaxy group HCG 44. Monthly Notices of the Royal Astronomical Society, 2013, 428, 370-380.	1.6	53
50	The atlas ^{3D} Project â€“ XXXI. Nuclear radio emission in nearby early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2221-2268.	1.6	53
51	Old Globular Clusters Masquerading as Young in NGC 4365?. Astronomical Journal, 2005, 129, 2643-2653.	1.9	52
52	Evidence for an Intermediate-Age, Metal-Rich Population of Globular Clusters in NGC 4365. Astrophysical Journal, 2003, 585, 767-774.	1.6	52
53	The ATLAS3D project â€“ XIX. The hot gas content of early-type galaxies: fast versus slow rotators. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1845-1861.	1.6	50
54	A New Approach to the Study of Stellar Populations in Early-Type Galaxies: K -Band Spectral Indices and an Application to the Fornax Cluster. Astrophysical Journal, 2008, 674, 194-208.	1.6	48

#	ARTICLE	IF	CITATIONS
55	Gemini GMOS and WHT SAURON integral-field spectrograph observations of the AGN-driven outflow in NGC 1266. Monthly Notices of the Royal Astronomical Society, 2012, 426, 1574-1590.	1.6	48
56	The ATLAS project - XII. Recovery of the mass-to-light ratio of simulated early-type barred galaxies with axisymmetric dynamical models. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1495-1521.	1.6	44
57	Central stellar populations of early-type galaxies in low-density environments. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1213-1222.	1.6	41
58	CONNECTION BETWEEN DYNAMICALLY DERIVED INITIAL MASS FUNCTION NORMALIZATION AND STELLAR POPULATION PARAMETERS. Astrophysical Journal Letters, 2014, 792, L37.	3.0	40
59	Line-of-sight velocity distributions of low-luminosity elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2001, 326, 473-489.	1.6	38
60	FIGS – Faint Infrared Grism Survey: Description and Data Reduction. Astrophysical Journal, 2017, 846, 84.	1.6	37
61	A quartet of black holes and a missing duo: probing the low end of the MBH – \dot{M} relation with the adaptive optics assisted integral-field spectroscopy. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3030-3064.	1.6	37
62	Spatially resolved spectroscopy of the E+A galaxies in the $z = 0.32$ cluster AC 114. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1421-1432.	1.6	36
63	The effect of the environment on the gas kinematics and the structure of distant galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1996-2019.	1.6	36
64	The complex nature of the nuclear star cluster in FCC 277. Monthly Notices of the Royal Astronomical Society, 2013, 431, 3364-3372.	1.6	33
65	The stellar kinematics and populations of boxy bulges: cylindrical rotation and vertical gradients. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2163-2172.	1.6	32
66	NGC 1266 AS A LOCAL CANDIDATE FOR RAPID CESSATION OF STAR FORMATION. Astrophysical Journal, 2014, 780, 186.	1.6	31
67	Stellar populations in early-type Coma cluster galaxies – I. The data. Monthly Notices of the Royal Astronomical Society, 2002, 336, 382-408.	1.6	30
68	The cold gas content of post-starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 432, 492-499.	1.6	30
69	Integral-field kinematics and stellar populations of early-type galaxies out to three half-light radii. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4005-4026.	1.6	30
70	The SAURON project - XVIII. The integrated UV-line-strength relations of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1887-1902.	1.6	29
71	HUBBLE SPACE TELESCOPE WFC3 EARLY RELEASE SCIENCE: EMISSION-LINE GALAXIES FROM INFRARED GRISM OBSERVATIONS. Astronomical Journal, 2011, 141, 14.	1.9	29
72	Stellar population gradients in the cores of nearby field E+A galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2232-2244.	1.6	29

#	ARTICLE	IF	CITATIONS
73	The SAURON project - XX. The Spitzer [3.6] \hat{r} [4.5] colour in early-type galaxies: colours, colour gradients and inverted scaling relations. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2031-2053.	1.6	26
74	Stellar population gradients and spatially resolved kinematics in luminous post-starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 432, 3131-3140.	1.6	25
75	Formation channels of slowly rotating early-type galaxies. Astronomy and Astrophysics, 2020, 635, A129.	2.1	22
76	Stellar kinematics and populations of early-type galaxies with the SAURON and OASIS integral-field spectrographs. New Astronomy Reviews, 2006, 49, 521-535.	5.2	21
77	THE ROAD TO THE RED SEQUENCE: A DETAILED VIEW OF THE FORMATION OF A MASSIVE GALAXY AT $z \sim 1/4$. 2. Astronomical Journal, 2012, 144, 47.	1.9	20
78	The stellar populations of early-type galaxies - II. The effects of environment and mass. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1036-1053.	1.6	19
79	NEW CONSTRAINTS ON A COMPLEX RELATION BETWEEN GLOBULAR CLUSTER COLORS AND ENVIRONMENT. Astrophysical Journal Letters, 2016, 829, L5.	3.0	19
80	The ATLAS3D project \hat{r} XVI. Physical parameters and spectral line energy distributions of the molecular gas in gas-rich early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1742-1767.	1.6	17
81	Integral field spectroscopy of two H α -rich E+A galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 443, 388-392.	1.6	17
82	Ionized gas discs in elliptical and SO galaxies at $z < 1$; 1. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3491-3502.	1.6	16
83	The Panchromatic High-Resolution Spectroscopic Survey of Local Group Star Clusters. Astronomy and Astrophysics, 2014, 572, A13.	2.1	15
84	Mapping accreted stars in early-type galaxies across the mass \hat{r} size plane. Monthly Notices of the Royal Astronomical Society, 2021, 507, 3089-3112.	1.6	13
85	On the origin and fate of ionised-gas in early-type galaxies: The SAURON perspective. New Astronomy Reviews, 2007, 51, 18-23.	5.2	11
86	The SAURON project - XXI. The spatially resolved UV-line strength relations of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1921-1939.	1.6	11
87	A Two-dimensional Spectroscopic Study of Emission-line Galaxies in the Faint Infrared Grism Survey (FIGS). I. Detection Method and Catalog. Astrophysical Journal, 2018, 868, 61.	1.6	11
88	Morphology and kinematics of the ionised gas in early-type galaxies. New Astronomy Reviews, 2006, 49, 515-520.	5.2	10
89	Spatially Resolved Spectroscopy of Starburst and Post-Starburst Galaxies in the Rich $z \sim 1/4$ 0.55 Cluster CL 0016+16. Publications of the Astronomical Society of Australia, 2010, 27, 360-373.	1.3	9
90	The stellar populations of early-type galaxies - I. Observations, line strengths and stellar population parameters. Monthly Notices of the Royal Astronomical Society, 2010, 409, 1455-1469.	1.6	8

#	ARTICLE	IF	CITATIONS
91	Old and new major mergers in the SOSIMPLE galaxy, NGC 7135. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2296-2307.	1.6	6
92	Secular evolution in action: central values and radial trends in the stellar populations of boxy bulges. Monthly Notices of the Royal Astronomical Society: Letters, 2012, , no-no.	1.2	4
93	Connecting stars and ionised gas with integral-field spectroscopy. New Astronomy Reviews, 2007, 51, 13-17.	5.2	3
94	Spatially resolved star formation relation in two HI-rich galaxies with central post-starburst signature. Astronomy and Astrophysics, 2017, 600, A80.	2.1	3
95	Supermassive black holes from OASIS and SAURON integral-field kinematics. Proceedings of the International Astronomical Union, 2007, 3, 215-218.	0.0	2
96	Internal kinematics and stellar populations of early-type galaxies in the Fornax cluster. Proceedings of the International Astronomical Union, 2007, 3, 303-304.	0.0	1
97	ATLAS ^{3D} Stellar Population Gradients. Proceedings of the International Astronomical Union, 2014, 10, 53-56.	0.0	1
98	Stellar Populations of Decoupled Cores in E/S0 Galaxies with sauron and oasis. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
99	Fast and slow rotators: the build-up of the red sequence. Proceedings of the International Astronomical Union, 2007, 3, 11-14.	0.0	0
100	Spiral galaxies in the SAURON survey. Proceedings of the International Astronomical Union, 2007, 3, 271-276.	0.0	0