

Michael J Kurtz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

4,501
citations

36
h-index

66
g-index

104
ext. papers

4,720
ext. citations

4.2
avg, IF

5.07
L-index

#	Paper	IF	Citations
94	RVSAO 2.0: Digital Redshifts and Radial Velocities. <i>Publications of the Astronomical Society of the Pacific</i> , 1998 , 110, 934-977	5	398
93	The Updated Zwicky Catalog (UZC). <i>Publications of the Astronomical Society of the Pacific</i> , 1999 , 111, 438-452	4.52	366
92	Hectospec, the MMT π 300 Optical Fiber-Fed Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , 2005 , 117, 1411-1434	5	273
91	Discovery of an Unbound Hypervelocity Star in the Milky Way Halo. <i>Astrophysical Journal</i> , 2005 , 622, L33-L36	4.36	259
90	CAIRNS: The Cluster and Infall Region Nearby Survey. I. Redshifts and Mass Profiles. <i>Astronomical Journal</i> , 2003 , 126, 2152-2170	4.9	191
89	MEASURING THE ULTIMATE HALO MASS OF GALAXY CLUSTERS: REDSHIFTS AND MASS PROFILES FROM THE HECTOSPEC CLUSTER SURVEY (HeCS). <i>Astrophysical Journal</i> , 2013 , 767, 15	4.7	138
88	The Southern Sky Redshift Survey. <i>Astronomical Journal</i> , 1998 , 116, 1-7	4.9	130
87	A complete southern sky redshift survey. <i>Astrophysical Journal</i> , 1994 , 424, L1	4.7	123
86	THE CHEMICAL EVOLUTION OF STAR-FORMING GALAXIES OVER THE LAST 11 BILLION YEARS. <i>Astrophysical Journal Letters</i> , 2013 , 771, L19	7.9	120
85	The effect of use and access on citations. <i>Information Processing and Management</i> , 2005 , 41, 1395-1402	6.3	117
84	The Mass Profile of the Coma Galaxy Cluster. <i>Astrophysical Journal</i> , 1999 , 517, L23-L26	4.7	100
83	Hypervelocity Stars: Predicting the Spectrum of Ejection Velocities. <i>Astrophysical Journal</i> , 2006 , 653, 1194-1202	4.7	97
82	Hypervelocity Stars. I. The Spectroscopic Survey. <i>Astrophysical Journal</i> , 2006 , 647, 303-311	4.7	96
81	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. <i>Astrophysical Journal</i> , 2012 , 757, 22	4.7	89
80	CAIRNS: The Cluster and Infall Region Nearby Survey. III. Environmental Dependence of H β Properties of Galaxies. <i>Astronomical Journal</i> , 2005 , 130, 1482-1501	4.9	83
79	Usage bibliometrics. <i>Annual Review of Information Science & Technology</i> , 2010 , 44, 1-64		81
78	A Successful Targeted Search for Hypervelocity Stars. <i>Astrophysical Journal</i> , 2006 , 640, L35-L38	4.7	80

77	The Century Survey: A Deeper Slice of the Universe. <i>Astronomical Journal</i> , 1997 , 114, 2205	4.9	71
76	Star Formation in a Complete Spectroscopic Survey of Galaxies. <i>Astrophysical Journal</i> , 2001 , 559, 606-619	4.7	68
75	Hypervelocity Stars. III. The Space Density and Ejection History of Main-Sequence Stars from the Galactic Center. <i>Astrophysical Journal</i> , 2007 , 671, 1708-1716	4.7	67
74	The Dynamics of Poor Systems of Galaxies. <i>Astrophysical Journal</i> , 1999 , 518, 69-93	4.7	64
73	Hypervelocity Stars. II. The Bound Population. <i>Astrophysical Journal</i> , 2007 , 660, 311-318	4.7	64
72	CAIRNS: The Cluster and Infall Region Nearby Survey. II. Environmental Dependence of Infrared Mass-to-Light Ratios. <i>Astronomical Journal</i> , 2004 , 128, 1078-1111	4.9	63
71	The NASA Astrophysics Data System: Overview. <i>Astronomy and Astrophysics</i> , 2000 , 143, 41-59		62
70	The bibliometric properties of article readership information. <i>Journal of the Association for Information Science and Technology</i> , 2005 , 56, 111-128		59
69	SHELS: The Hectospec Lensing Survey. <i>Astrophysical Journal</i> , 2005 , 635, L125-L128	4.7	54
68	TRIGGERED STAR FORMATION IN GALAXY PAIRS AT $z = 0.08-0.38$. <i>Astronomical Journal</i> , 2010 , 139, 1857-1870	4.7	52
67	SDSS 0809+1729: Connections Between Extremely Metal-Poor Galaxies and Gamma-Ray Burst Hosts. <i>Astronomical Journal</i> , 2007 , 133, 882-888	4.9	51
66	Worldwide use and impact of the NASA Astrophysics Data System digital library. <i>Journal of the Association for Information Science and Technology</i> , 2005 , 56, 36-45		50
65	A combined optical/X-ray study of the Galaxy cluster Abell 2256. <i>Astrophysical Journal</i> , 1989 , 336, 77	4.7	46
64	Infrared Mass-to-Light Profile throughout the Infall Region of the Coma Cluster. <i>Astrophysical Journal</i> , 2001 , 561, L41-L44	4.7	44
63	THE CENTURY SURVEY GALACTIC HALO PROJECT. III. A COMPLETE 4300 DEG2 SURVEY OF BLUE HORIZONTAL BRANCH STARS IN THE METAL-WEAK THICK DISK AND INNER HALO. <i>Astronomical Journal</i> , 2008 , 135, 564-574	4.9	42
62	[ITAL]V[/ITAL]- and [ITAL]R[/ITAL]-band Galaxy Luminosity Functions and Low Surface Brightness Galaxies in the Century Survey. <i>Astronomical Journal</i> , 2001 , 122, 714-728	4.9	42
61	SHELS: A COMPLETE GALAXY REDSHIFT SURVEY WITH $R > 20.6$. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 213, 35	8	39
60	A measure of total research impact independent of time and discipline. <i>PLoS ONE</i> , 2012 , 7, e46428	3.7	39

59	Spectrophotometry with Hectospec, the MMT's Fiber-Fed Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , 2008 , 120, 1222-1232	5	39
58	SHELS: TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS. <i>Astrophysical Journal</i> , 2010 , 709, 832-859	4.7	35
57	A REDSHIFT SURVEY OF THE STRONG-LENSING CLUSTER ABELL 383. <i>Astrophysical Journal</i> , 2014 , 783, 52	4.7	29
56	EVOLUTION OF THE H ₁ LUMINOSITY FUNCTION. <i>Astrophysical Journal</i> , 2010 , 708, 534-549	4.7	29
55	THE FAINT END OF THE LUMINOSITY FUNCTION AND LOW SURFACE BRIGHTNESS GALAXIES. <i>Astronomical Journal</i> , 2012 , 143, 102	4.9	25
54	State and disturbance estimation for nonlinear systems affine in the unmeasured variables. <i>Computers and Chemical Engineering</i> , 1998 , 22, 1441-1459	4	25
53	Mapping the Inner Halo of the Galaxy with 2MASS-Selected Horizontal-Branch Candidates. <i>Astronomical Journal</i> , 2004 , 127, 1555-1566	4.9	25
52	Control of Oscillating Microbial Cultures Described by Population Balance Models. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 4059-4070	3.9	25
51	Stellar Velocity Dispersion of the Leo A Dwarf Galaxy. <i>Astrophysical Journal</i> , 2007 , 666, 231-235	4.7	24
50	Habituating Control for Nonsquare Nonlinear Processes. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 4067-4077	3.9	24
49	SHELS: OPTICAL SPECTRAL PROPERTIES OF 22 FINELY SELECTED GALAXIES. <i>Astrophysical Journal</i> , 2012 , 758, 25	4.7	23
48	The Century Survey Galactic Halo Project. I. Stellar Spectral Analysis. <i>Astronomical Journal</i> , 2003 , 126, 1362-1380	4.9	23
47	The kinematics and dynamics of the rich cluster of galaxies Abell 539. <i>Astronomical Journal</i> , 1988 , 96, 1775	4.9	22
46	A medium-deep redshift survey of a minislice at the north Galactic pole. <i>Astrophysical Journal</i> , 1994 , 437, 560	4.7	22
45	SHELS: COMPLETE REDSHIFT SURVEYS OF TWO WIDELY SEPARATED FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 224, 11	8	22
44	MAPPING THE UNIVERSE: THE 2010 RUSSELL LECTURE. <i>Astronomical Journal</i> , 2011 , 142, 133	4.9	21
43	HECTOMAP AND HORIZON RUN 4: DENSE STRUCTURES AND VOIDS IN THE REAL AND SIMULATED UNIVERSE. <i>Astrophysical Journal</i> , 2016 , 818, 173	4.7	20
42	Effect of E-printing on Citation Rates in Astronomy and Physics. <i>Journal of Electronic Publishing</i> , 2006 , 9,	0.5	20

41	Measuring Galaxy Velocity Dispersions with Hectospec. <i>Publications of the Astronomical Society of the Pacific</i> , 2013 , 125, 1362-1369	5	19
40	The Century Survey Galactic Halo Project. II. Global Properties and the Luminosity Function of Field Blue Horizontal Branch Stars. <i>Astronomical Journal</i> , 2005 , 130, 1097-1110	4.9	19
39	The velocity-distance relation for galaxies on a bubble. <i>Astrophysical Journal</i> , 1992 , 395, 347	4.7	17
38	Redshifts for 2410 Galaxies in the Century Survey Region. <i>Astronomical Journal</i> , 2001 , 122, 2893-2900	4.9	17
37	Empirical Opticalk-Corrections for Redshifts. <i>Publications of the Astronomical Society of the Pacific</i> , 2010 , 122, 1258-1284	5	15
36	EPhotoZ: Photometric Redshifts by Inverting the Tolman Surface Brightness Test. <i>Astronomical Journal</i> , 2007 , 134, 1360-1367	4.9	15
35	E-prints and journal articles in astronomy: a productive co-existence. <i>Learned Publishing</i> , 2007 , 20, 16-22	1.8	15
34	The NASA Astrophysics Data System: The search engine and its user interface. <i>Astronomy and Astrophysics</i> , 2000 , 143, 61-83		15
33	REDUCING SYSTEMATIC ERROR IN WEAK LENSING CLUSTER SURVEYS. <i>Astrophysical Journal</i> , 2014 , 786, 93	4.7	14
32	CCD calibration of the magnitude scale for the Southern Sky Redshift Survey Extension galaxy sample. <i>Astronomical Journal</i> , 1993 , 106, 676	4.9	14
31	Measuring metrics - a 40-year longitudinal cross-validation of citations, downloads, and peer review in astrophysics. <i>Journal of the Association for Information Science and Technology</i> , 2017 , 68, 695-708	2.7	13
30	The NASA Astrophysics Data System: Architecture. <i>Astronomy and Astrophysics</i> , 2000 , 143, 85-109		13
29	The NASA Astrophysics Data System: Data holdings. <i>Astronomy and Astrophysics</i> , 2000 , 143, 111-135		13
28	Use of astronomical literature – a report on usage patterns. <i>Journal of Informetrics</i> , 2009 , 3, 1-8	3.1	12
27	The NASA Technical Report Server. <i>Internet Research</i> , 1995 , 5, 25-36	4.8	12
26	Redshifts for Fainter Galaxies in the First CFA Slice. III. To the Zwicky Catalog Limit. <i>Astronomical Journal</i> , 1995 , 109, 2368	4.9	12
25	The Lumpy Cluster Abell 1185. <i>Astronomical Journal</i> , 1996 , 111, 64	4.9	12
24	Eigenvector Sky Subtraction. <i>Astrophysical Journal</i> , 2000 , 533, L183-L186	4.7	11

23	TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS: A SUBARU FIELD. <i>Astrophysical Journal</i> , 2012 , 750, 168	4.7	11
22	COMPARISON OF GALAXY CLUSTERS SELECTED BY WEAK-LENSING, OPTICAL SPECTROSCOPY, AND X-RAYS IN THE DEEP LENS SURVEY F2 FIELD. <i>Astrophysical Journal</i> , 2014 , 786, 125	4.7	8
21	Rotation Curve Measurement using Cross-Correlation1. <i>Publications of the Astronomical Society of the Pacific</i> , 2000 , 112, 367-383	5	7
20	Redshifts for fainter galaxies in the first CfA survey slice. II. <i>Astronomical Journal</i> , 1990 , 100, 1405	4.9	7
19	A Medium-deep Survey of a Minislice at the North Galactic Pole. II. The Data. <i>Astrophysical Journal, Supplement Series</i> , 1996 , 104, 199	8	6
18	The Classification Society Bibliography Over Four Decades: History and Content Analysis. <i>Journal of Classification</i> , 2016 , 33, 6-29	1.2	5
17	Nonlinear control of competitive mixed-culture bioreactors via specific cell adhesion. <i>Canadian Journal of Chemical Engineering</i> , 2000 , 78, 237-247	2.3	4
16	The NASA Astrophysics Data System: Free Access to the Astronomical Literature On-line and through Email. <i>Astrophysics and Space Science</i> , 2002 , 282, 299-340	1.6	3
15	A cognitive system for astronomical image interpretation. <i>Pattern Recognition Letters</i> , 1990 , 11, 507-515	4.7	3
14	Second order bibliometric operators in the Astrophysics Data System 2002 ,		3
13	Advice from the Oracle: Really Intelligent Information Retrieval. <i>Astrophysics and Space Science Library</i> , 1993 , 21-28	0.3	3
12	Usage Bibliometrics as a Tool to Measure Research Activity. <i>Springer Handbooks</i> , 2019 , 819-834	1.3	2
11	How the Literature is Used A View Through Citation and Usage Statistics of the ADS. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010 , 141-147	0.3	2
10	Center for Astrophysics Optical Infrared Science Archive. I. FAST Spectrograph. <i>Astronomical Journal</i> , 2021 , 161, 3	4.9	1
9	Astronomical Object Classification. <i>Machine Intelligence and Pattern Recognition</i> , 1988 , 317-328		1
8	Automated Classification of Resolved Galaxies 1989 , 121-128		1
7	The Emerging Scholarly Brain. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2011 , 23-35	0.3	1
6	Connecting the literature with on-line data. <i>Proceedings of the International Astronomical Union</i> , 2006 , 2, 605-605	0.1	

- 5 The Galaxy Distribution and the Large-Scale Structure of the Universe. *Annals of the New York Academy of Sciences*, **1986**, 470, 123-135 6.5
- 4 Tests of Reduction and Analysis Algorithms for Astronomical Images **1989**, 155-157
- 3 The NASA Astrophysics Data System: A Heterogeneous Distributed Data Environment. *Data and Knowledge in A Changing World*, **1996**, 123-130
- 2 Finding Your Literature Match IIA Recommender System. *Thirty Years of Astronomical Discovery With UKIRT*, **2011**, 125-134 0.3
- 1 Comparing People with Bibliometrics. *EPJ Web of Conferences*, **2018**, 186, 06004 0.3