

# Michael J Kurtz

## List of Publications by Year in descending order

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99  
papers

5,044  
citations

101384

36  
h-index

88477

70  
g-index

104  
all docs

104  
docs citations

104  
times ranked

4189  
citing authors

#	ARTICLE	IF	CITATIONS
1	RVSAO 2.0: Digital Redshifts and Radial Velocities. Publications of the Astronomical Society of the Pacific, 1998, 110, 934-977.	1.0	420
2	The Updated Zwicky Catalog (UZC). Publications of the Astronomical Society of the Pacific, 1999, 111, 438-452.	1.0	397
3	Hectospec, the MMT's 300 Optical Fiber-fed Spectrograph. Publications of the Astronomical Society of the Pacific, 2005, 117, 1411-1434.	1.0	311
4	Discovery of an Unbound Hypervelocity Star in the Milky Way Halo. Astrophysical Journal, 2005, 622, L33-L36.	1.6	289
5	CAIRNS: The Cluster and Infall Region Nearby Survey. I. Redshifts and Mass Profiles. Astronomical Journal, 2003, 126, 2152-2170.	1.9	198
6	MEASURING THE ULTIMATE HALO MASS OF GALAXY CLUSTERS: REDSHIFTS AND MASS PROFILES FROM THE HECTOSPEC CLUSTER SURVEY (HeCS). Astrophysical Journal, 2013, 767, 15.	1.6	165
7	The effect of use and access on citations. Information Processing and Management, 2005, 41, 1395-1402.	5.4	163
8	The Southern Sky Redshift Survey. Astronomical Journal, 1998, 116, 1-7.	1.9	139
9	THE CHEMICAL EVOLUTION OF STAR-FORMING GALAXIES OVER THE LAST 11 BILLION YEARS. Astrophysical Journal Letters, 2013, 771, L19.	3.0	139
10	A complete southern sky redshift survey. Astrophysical Journal, 1994, 424, L1.	1.6	126
11	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. Astrophysical Journal, 2012, 757, 22.	1.6	112
12	Hypervelocity Stars: Predicting the Spectrum of Ejection Velocities. Astrophysical Journal, 2006, 653, 1194-1202.	1.6	111
13	The Mass Profile of the Coma Galaxy Cluster. Astrophysical Journal, 1999, 517, L23-L26.	1.6	106
14	Usage bibliometrics. Annual Review of Information Science & Technology, 2010, 44, 1-64.	2.6	102
15	Hypervelocity Stars. I. The Spectroscopic Survey. Astrophysical Journal, 2006, 647, 303-311.	1.6	102
16	CAIRNS: The Cluster and Infall Region Nearby Survey. III. Environmental Dependence of H $\beta$ Properties of Galaxies. Astronomical Journal, 2005, 130, 1482-1501.	1.9	84
17	A Successful Targeted Search for Hypervelocity Stars. Astrophysical Journal, 2006, 640, L35-L38.	1.6	83
18	The bibliometric properties of article readership information. Journal of the Association for Information Science and Technology, 2005, 56, 111-128.	2.6	77

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19	The NASA Astrophysics Data System: Overview. <i>Astronomy and Astrophysics</i> , 2000, 143, 41-59.	2.1	77
20	Star Formation in a Complete Spectroscopic Survey of Galaxies. <i>Astrophysical Journal</i> , 2001, 559, 606-619.	1.6	75
21	The Century Survey: A Deeper Slice of the Universe. <i>Astronomical Journal</i> , 1997, 114, 2205.	1.9	73
22	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.	1.6	72
23	TRIGGERED STAR FORMATION IN GALAXY PAIRS AT $0.08 < z < i > = 0.38$ . <i>Astronomical Journal</i> , 2010, 139, 1857-1870.	1.9	68
24	Hypervelocity Stars. II. The Bound Population. <i>Astrophysical Journal</i> , 2007, 660, 311-318.	1.6	67
25	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.	1.9	66
26	The Dynamics of Poor Systems of Galaxies. <i>Astrophysical Journal</i> , 1999, 518, 69-93.	1.6	65
27	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.	2.6	62
28	SHELS: The Hectospec Lensing Survey. <i>Astrophysical Journal</i> , 2005, 635, L125-L128.	1.6	56
29	SDSS 0809+1729: Connections Between Extremely Metal-Poor Galaxies and Gamma-Ray Burst Hosts. <i>Astronomical Journal</i> , 2007, 133, 882-888.	1.9	54
30	A Measure of Total Research Impact Independent of Time and Discipline. <i>PLoS ONE</i> , 2012, 7, e46428.	1.1	49
31	[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.	1.9	49
32	A combined optical/X-ray study of the Galaxy cluster Abell 2256. <i>Astrophysical Journal</i> , 1989, 336, 77.	1.6	47
33	Infrared Mass-to-Light Profile throughout the Infall Region of the Coma Cluster. <i>Astrophysical Journal</i> , 2001, 561, L41-L44.	1.6	46
34	SHELS: A COMPLETE GALAXY REDSHIFT SURVEY WITH $< i > R < i > \hat{=} 20.6$ . <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 35.	3.0	46
35	THE CENTURY SURVEY GALACTIC HALO PROJECT. III. A COMPLETE $4300 \text{ DEG}^{2}$ SURVEY OF BLUE HORIZONTAL BRANCH STARS IN THE METAL-WEAK THICK DISK AND INNER HALO. <i>Astronomical Journal</i> , 2008, 135, 564-574.	1.9	45
36	Spectrophotometry with Hectospec, the MMT's Fiber-Fed Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 1222-1232.	1.0	39

#	ARTICLE	IF	CITATIONS
37	SHELS: TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS. <i>Astrophysical Journal</i> , 2010, 709, 832-850.	1.6	36
38	EVOLUTION OF THE $H\dot{\pm}$ LUMINOSITY FUNCTION. <i>Astrophysical Journal</i> , 2010, 708, 534-549.	1.6	35
39	A REDSHIFT SURVEY OF THE STRONG-LENSING CLUSTER ABELL 383. <i>Astrophysical Journal</i> , 2014, 783, 52.	1.6	35
40	Control of Oscillating Microbial Cultures Described by Population Balance Models. <i>Industrial &amp; Engineering Chemistry Research</i> , 1998, 37, 4059-4070.	1.8	32
41	Habituating Control for Nonsquare Nonlinear Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 1996, 35, 4067-4077.	1.8	30
42	State and disturbance estimation for nonlinear systems affine in the unmeasured variables. <i>Computers and Chemical Engineering</i> , 1998, 22, 1441-1459.	2.0	30
43	Effect of E-printing on Citation Rates in Astronomy and Physics. <i>Journal of Electronic Publishing</i> , 2006, 9, .	0.7	29
44	Stellar Velocity Dispersion of the Leo A Dwarf Galaxy. <i>Astrophysical Journal</i> , 2007, 666, 231-235.	1.6	28
45	Mapping the Inner Halo of the Galaxy with 2MASS-Selected Horizontal-Branch Candidates. <i>Astronomical Journal</i> , 2004, 127, 1555-1566.	1.9	26
46	THE FAINT END OF THE LUMINOSITY FUNCTION AND LOW SURFACE BRIGHTNESS GALAXIES. <i>Astronomical Journal</i> , 2012, 143, 102.	1.9	26
47	SHELS: COMPLETE REDSHIFT SURVEYS OF TWO WIDELY SEPARATED FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 11.	3.0	26
48	HECTOMAP AND HORIZON RUN 4: DENSE STRUCTURES AND VOIDS IN THE REAL AND SIMULATED UNIVERSE. <i>Astrophysical Journal</i> , 2016, 818, 173.	1.6	25
49	SHELS: OPTICAL SPECTRAL PROPERTIES OF $\langle i \rangle$ WISE $\langle i \rangle 22 \hat{1}4m$ SELECTED GALAXIES. <i>Astrophysical Journal</i> , 2012, 758, 25.	1.6	24
50	The Century Survey Galactic Halo Project. I. Stellar Spectral Analysis. <i>Astronomical Journal</i> , 2003, 126, 1362-1380.	1.9	23
51	Measuring Galaxy Velocity Dispersions with Hectospec. <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 1362-1369.	1.0	23
52	The kinematics and dynamics of the rich cluster of galaxies Abell 539. <i>Astronomical Journal</i> , 1988, 96, 1775.	1.9	22
53	A medium-deep redshift survey of a minislice at the north Galactic pole. <i>Astrophysical Journal</i> , 1994, 437, 560.	1.6	22
54	MAPPING THE UNIVERSE: THE 2010 RUSSELL LECTURE. <i>Astronomical Journal</i> , 2011, 142, 133.	1.9	21

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55	The NASA Technical Report Server. Internet Research, 1995, 5, 25-36.	2.7	20
56	The Century Survey Galactic Halo Project. II. Global Properties and the Luminosity Function of Field Blue Horizontal Branch Stars. Astronomical Journal, 2005, 130, 1097-1110.	1.9	20
57	Empirical Optical <i>k</i> -Corrections for Redshifts. Publications of the Astronomical Society of the Pacific, 2010, 122, 1258-1284.	1.0	19
58	Measuring metrics â€”a 40â€”year longitudinal crossâ€”validation of citations, downloads, and peer review in astrophysics. Journal of the Association for Information Science and Technology, 2017, 68, 695-708.	1.5	18
59	The NASA Astrophysics Data System: The search engine and its user interface. Astronomy and Astrophysics, 2000, 143, 61-83.	2.1	18
60	The velocity-distance relation for galaxies on a bubble. Astrophysical Journal, 1992, 395, 347.	1.6	18
61	E-prints and journal articles in astronomy: a productive co-existence. Learned Publishing, 2007, 20, 16-22.	0.8	17
62	Redshifts for 2410 Galaxies in the Century Survey Region. Astronomical Journal, 2001, 122, 2893-2900.	1.9	17
63	1/4-PhotoZ: Photometric Redshifts by Inverting the Tolman Surface Brightness Test. Astronomical Journal, 2007, 134, 1360-1367.	1.9	16
64	The NASA Astrophysics Data System: Data holdings. Astronomy and Astrophysics, 2000, 143, 111-135.	2.1	16
65	Eigenvector Sky Subtraction. Astrophysical Journal, 2000, 533, L183-L186.	1.6	15
66	Use of astronomical literatureâ€”A report on usage patterns. Journal of Informetrics, 2009, 3, 1-8.	1.4	15
67	The NASA Astrophysics Data System: Architecture. Astronomy and Astrophysics, 2000, 143, 85-109.	2.1	15
68	REDUCING SYSTEMATIC ERROR IN WEAK LENSING CLUSTER SURVEYS. Astrophysical Journal, 2014, 786, 93.	1.6	14
69	CCD calibration of the magnitude scale for the Southern Sky Redshift Survey Extension galaxy sample. Astronomical Journal, 1993, 106, 676.	1.9	14
70	TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS: A SUBARU FIELD. Astrophysical Journal, 2012, 750, 168.	1.6	13
71	Redshifts for Fainter Galaxies in the First CFA Slice. III. To the Zwicky Catalog Limit. Astronomical Journal, 1995, 109, 2368.	1.9	12
72	The Lumpy Cluster Abell 1185. Astronomical Journal, 1996, 111, 64.	1.9	12

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73	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.	1.6	8
74	A cognitive system for astronomical image interpretation. <i>Pattern Recognition Letters</i> , 1990, 11, 507-515.	2.6	7
75	Rotation Curve Measurement using Cross-Correlation I. <i>Publications of the Astronomical Society of the Pacific</i> , 2000, 112, 367-383.	1.0	7
76	Redshifts for fainter galaxies in the first CfA survey slice. II. <i>Astronomical Journal</i> , 1990, 100, 1405.	1.9	7
77	A Medium-deep Survey of a Minislice at the North Galactic Pole. II. The Data. <i>Astrophysical Journal, Supplement Series</i> , 1996, 104, 199.	3.0	7
78	The Classification Society's Bibliography Over Four Decades: History and Content Analysis. <i>Journal of Classification</i> , 2016, 33, 6-29.	1.2	5
79	Second order bibliometric operators in the Astrophysics Data System. , 2002, , .		5
80	Nonlinear control of competitive mixed-culture bioreactors via specific cell adhesion. <i>Canadian Journal of Chemical Engineering</i> , 2000, 78, 237-247.	0.9	4
81	Usage Bibliometrics as a Tool to Measure Research Activity. <i>Springer Handbooks</i> , 2019, , 819-834.	0.3	4
82	Title is missing!. <i>Astrophysics and Space Science</i> , 2002, 282, 299-340.	0.5	3
83	The NASA ADS Abstract Service and the Distributed Astronomy Digital Library. <i>D-Lib Magazine</i> , 1999, 5, .	0.5	3
84	Automated Classification of Resolved Galaxies. , 1989, , 121-128.		3
85	The Emerging Scholarly Brain. Thirty Years of Astronomical Discovery With UKIRT, 2011, , 23-35.	0.3	2
86	Astronomical Object Classification. <i>Machine Intelligence and Pattern Recognition</i> , 1988, , 317-328.	0.2	2
87	Giant Shoulders: Data and Discovery in Astronomy. <i>Publications of the Astronomical Society of the Pacific</i> , 1995, 107, 776.	1.0	2
88	Center for Astrophysics Optical Infrared Science Archive. I. FAST Spectrograph. <i>Astronomical Journal</i> , 2021, 161, 3.	1.9	2
89	<title>Evolution of Urania into the AVO</title>. , 2001, , .		1
90	Second Order Operators in the NASA Astrophysics Data System. , 2020, 52, .		1

#	ARTICLE	IF	CITATIONS
91	The Galaxy Distribution and the Large-Scale Structure of the Universe. Annals of the New York Academy of Sciences, 1986, 470, 123-135.	1.8	0
92	<title>Access to the astrophysics data system: what, how, who, and where</title>. , 2002, , .		0
93	The Astronomy Digital Library and the VO. , 0, , 267-268.		0
94	A Reader Answers: â€œCritical Massâ€™ Origin. Physics Today, 2004, 57, 18-18.	0.3	0
95	Connecting the literature with on-line data. Proceedings of the International Astronomical Union, 2006, 2, 605-605.	0.0	0
96	Evaluating Retrieval Models through Histogram Analysis. , 2015, , .		0
97	Comparing People with Bibliometrics. EPJ Web of Conferences, 2018, 186, 06004.	0.1	0
98	The NASA Astrophysics Data System: A Heterogeneous Distributed Data Environment. Data and Knowledge in A Changing World, 1996, , 123-130.	0.1	0
99	Content of the Future in the ADS. , 0, , .		0