

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	Center for Astrophysics Optical Infrared Science Archive. I. FAST Spectrograph. <i>Astronomical Journal</i> , 2021, 161, 3.	1.9	2
2	Second Order Operators in the NASA Astrophysics Data System. , 2020, 52, .		1
3	Usage Bibliometrics as a Tool to Measure Research Activity. <i>Springer Handbooks</i> , 2019, , 819-834.	0.3	4
4	Comparing People with Bibliometrics. <i>EPJ Web of Conferences</i> , 2018, 186, 06004.	0.1	0
5	Measuring metrics â€”a 40â€”year longitudinal crossâ€”validation of citations, downloads, and peer review in astrophysics. <i>Journal of the Association for Information Science and Technology</i> , 2017, 68, 695-708.	1.5	18
6	SHELS: COMPLETE REDSHIFT SURVEYS OF TWO WIDELY SEPARATED FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 11.	3.0	26
7	The Classification Societyâ€™s Bibliography Over Four Decades: History and Content Analysis. <i>Journal of Classification</i> , 2016, 33, 6-29.	1.2	5
8	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
9	Evaluating Retrieval Models through Histogram Analysis. , 2015, , .		0
10	SHELS: A COMPLETE GALAXY REDSHIFT SURVEY WITH $\langle i \rangle R \langle /i \rangle \hat{=} 20.6$. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 35.	3.0	46
11	A REDSHIFT SURVEY OF THE STRONG-LENSING CLUSTER ABELL 383. <i>Astrophysical Journal</i> , 2014, 783, 52.	1.6	35
12	REDUCING SYSTEMATIC ERROR IN WEAK LENSING CLUSTER SURVEYS. <i>Astrophysical Journal</i> , 2014, 786, 93.	1.6	14
13	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
14	Measuring Galaxy Velocity Dispersions with Hectospec. <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 1362-1369.	1.0	23
15	THE CHEMICAL EVOLUTION OF STAR-FORMING GALAXIES OVER THE LAST 11 BILLION YEARS. <i>Astrophysical Journal Letters</i> , 2013, 771, L19.	3.0	139
16	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.	1.6	165
17	THE FAINT END OF THE LUMINOSITY FUNCTION AND LOW SURFACE BRIGHTNESS GALAXIES. <i>Astronomical Journal</i> , 2012, 143, 102.	1.9	26
18	SHELS: OPTICAL SPECTRAL PROPERTIES OF $\langle i \rangle WISE \langle /i \rangle \hat{=} 22 \hat{=} 4m$ SELECTED GALAXIES. <i>Astrophysical Journal</i> , 2012, 758, 25.	1.6	24

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19	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. <i>Astrophysical Journal</i> , 2012, 757, 22.	1.6	112
20	A Measure of Total Research Impact Independent of Time and Discipline. <i>PLoS ONE</i> , 2012, 7, e46428.	1.1	49
21	TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS: A SUBARU FIELD. <i>Astrophysical Journal</i> , 2012, 750, 168.	1.6	13
22	MAPPING THE UNIVERSE: THE 2010 RUSSELL LECTURE. <i>Astronomical Journal</i> , 2011, 142, 133.	1.9	21
23	The Emerging Scholarly Brain. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2011, , 23-35.	0.3	2
24	SHELS: TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS. <i>Astrophysical Journal</i> , 2010, 709, 832-850.	1.6	36
25	Usage bibliometrics. <i>Annual Review of Information Science & Technology</i> , 2010, 44, 1-64.	2.6	102
26	EVOLUTION OF THE $H\pm$ LUMINOSITY FUNCTION. <i>Astrophysical Journal</i> , 2010, 708, 534-549.	1.6	35
27	TRIGGERED STAR FORMATION IN GALAXY PAIRS AT $z = 0.08-0.38$. <i>Astronomical Journal</i> , 2010, 139, 1857-1870.	1.9	68
28	Empirical Optical k -Corrections for Redshifts. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1258-1284.	1.0	19
29	Use of astronomical literature – A report on usage patterns. <i>Journal of Informetrics</i> , 2009, 3, 1-8.	1.4	15
30	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
31	THE CENTURY SURVEY GALACTIC HALO PROJECT. III. A COMPLETE 4300 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
32	Stellar Velocity Dispersion of the Leo A Dwarf Galaxy. <i>Astrophysical Journal</i> , 2007, 666, 231-235.	1.6	28
33	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
34	$\frac{1}{4}$ -PhotoZ: Photometric Redshifts by Inverting the Tolman Surface Brightness Test. <i>Astronomical Journal</i> , 2007, 134, 1360-1367.	1.9	16
35	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
36	E-prints and journal articles in astronomy: a productive co-existence. <i>Learned Publishing</i> , 2007, 20, 16-22.	0.8	17

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37	Hypervelocity Stars. II. The Bound Population. <i>Astrophysical Journal</i> , 2007, 660, 311-318.	1.6	67
38	Connecting the literature with on-line data. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 605-605.	0.0	0
39	A Successful Targeted Search for Hypervelocity Stars. <i>Astrophysical Journal</i> , 2006, 640, L35-L38.	1.6	83
40	Hypervelocity Stars: Predicting the Spectrum of Ejection Velocities. <i>Astrophysical Journal</i> , 2006, 653, 1194-1202.	1.6	111
41	Hypervelocity Stars. I. The Spectroscopic Survey. <i>Astrophysical Journal</i> , 2006, 647, 303-311.	1.6	102
42	Effect of E-printing on Citation Rates in Astronomy and Physics. <i>Journal of Electronic Publishing</i> , 2006, 9, .	0.7	29
43	CAIRNS: The Cluster and Infall Region Nearby Survey. III. Environmental Dependence of H \pm Properties of Galaxies. <i>Astronomical Journal</i> , 2005, 130, 1482-1501.	1.9	84
44	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.	1.9	20
45	Discovery of an Unbound Hypervelocity Star in the Milky Way Halo. <i>Astrophysical Journal</i> , 2005, 622, L33-L36.	1.6	289
46	SHELS: The Hectospec Lensing Survey. <i>Astrophysical Journal</i> , 2005, 635, L125-L128.	1.6	56
47	The effect of use and access on citations. <i>Information Processing and Management</i> , 2005, 41, 1395-1402.	5.4	163
48	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
49	The bibliometric properties of article readership information. <i>Journal of the Association for Information Science and Technology</i> , 2005, 56, 111-128.	2.6	77
50	Hectospec, the MMT's 300 Optical Fiber-fed Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , 2005, 117, 1411-1434.	1.0	311
51	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
52	Mapping the Inner Halo of the Galaxy with 2MASS-Selected Horizontal-Branch Candidates. <i>Astronomical Journal</i> , 2004, 127, 1555-1566.	1.9	26
53	A Reader Answers: "Critical Mass" Origin. <i>Physics Today</i> , 2004, 57, 18-18.	0.3	0
54	The Century Survey Galactic Halo Project. I. Stellar Spectral Analysis. <i>Astronomical Journal</i> , 2003, 126, 1362-1380.	1.9	23

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55	CAIRNS: The Cluster and Infall Region Nearby Survey. I. Redshifts and Mass Profiles. <i>Astronomical Journal</i> , 2003, 126, 2152-2170.	1.9	198
56	<title>Access to the astrophysics data system: what, how, who, and where</title>. , 2002, , .		0
57	Title is missing!. <i>Astrophysics and Space Science</i> , 2002, 282, 299-340.	0.5	3
58	Second order bibliometric operators in the Astrophysics Data System. , 2002, , .		5
59	Infrared Mass-to-Light Profile throughout the Infall Region of the Coma Cluster. <i>Astrophysical Journal</i> , 2001, 561, L41-L44.	1.6	46
60	<title>Evolution of Urania into the AVO</title>. , 2001, , .		1
61	Star Formation in a Complete Spectroscopic Survey of Galaxies. <i>Astrophysical Journal</i> , 2001, 559, 606-619.	1.6	75
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.	1.9	49
63	Redshifts for 2410 Galaxies in the Century Survey Region. <i>Astronomical Journal</i> , 2001, 122, 2893-2900.	1.9	17
64	Nonlinear control of competitive mixedâ€culture bioreactors via specific cell adhesion. <i>Canadian Journal of Chemical Engineering</i> , 2000, 78, 237-247.	0.9	4
65	Eigenvector Sky Subtraction. <i>Astrophysical Journal</i> , 2000, 533, L183-L186.	1.6	15
66	Rotation Curve Measurement using Crossâ€Correlation1. <i>Publications of the Astronomical Society of the Pacific</i> , 2000, 112, 367-383.	1.0	7
67	The NASA Astrophysics Data System: Overview. <i>Astronomy and Astrophysics</i> , 2000, 143, 41-59.	2.1	77
68	The NASA Astrophysics Data System: The search engine and its user interface. <i>Astronomy and Astrophysics</i> , 2000, 143, 61-83.	2.1	18
69	The NASA Astrophysics Data System: Architecture. <i>Astronomy and Astrophysics</i> , 2000, 143, 85-109.	2.1	15
70	The NASA Astrophysics Data System: Data holdings. <i>Astronomy and Astrophysics</i> , 2000, 143, 111-135.	2.1	16
71	The Updated Zwicky Catalog (UZC). <i>Publications of the Astronomical Society of the Pacific</i> , 1999, 111, 438-452.	1.0	397
72	The Dynamics of Poor Systems of Galaxies. <i>Astrophysical Journal</i> , 1999, 518, 69-93.	1.6	65

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73	The NASA ADS Abstract Service and the Distributed Astronomy Digital Library. D-Lib Magazine, 1999, 5, .	0.5	3
74	The Mass Profile of the Coma Galaxy Cluster. Astrophysical Journal, 1999, 517, L23-L26.	1.6	106
75	State and disturbance estimation for nonlinear systems affine in the unmeasured variables. Computers and Chemical Engineering, 1998, 22, 1441-1459.	2.0	30
76	RVSAO 2.0: Digital Redshifts and Radial Velocities. Publications of the Astronomical Society of the Pacific, 1998, 110, 934-977.	1.0	420
77	Control of Oscillating Microbial Cultures Described by Population Balance Models. Industrial & Engineering Chemistry Research, 1998, 37, 4059-4070.	1.8	32
78	The Southern Sky Redshift Survey. Astronomical Journal, 1998, 116, 1-7.	1.9	139
79	The Century Survey: A Deeper Slice of the Universe. Astronomical Journal, 1997, 114, 2205.	1.9	73
80	Habituating Control for Nonsquare Nonlinear Processes. Industrial & Engineering Chemistry Research, 1996, 35, 4067-4077.	1.8	30
81	The Lumpy Cluster Abell 1185. Astronomical Journal, 1996, 111, 64.	1.9	12
82	A Medium-deep Survey of a Minislice at the North Galactic Pole. II. The Data. Astrophysical Journal, Supplement Series, 1996, 104, 199.	3.0	7
83	The NASA Astrophysics Data System: A Heterogeneous Distributed Data Environment. Data and Knowledge in A Changing World, 1996, , 123-130.	0.1	0
84	The NASA Technical Report Server. Internet Research, 1995, 5, 25-36.	2.7	20
85	Redshifts for Fainter Galaxies in the First CFA Slice. III. To the Zwicky Catalog Limit. Astronomical Journal, 1995, 109, 2368.	1.9	12
86	Giant Shoulders: Data and Discovery in Astronomy. Publications of the Astronomical Society of the Pacific, 1995, 107, 776.	1.0	2
87	A medium-deep redshift survey of a minislice at the north Galactic pole. Astrophysical Journal, 1994, 437, 560.	1.6	22
88	A complete southern sky redshift survey. Astrophysical Journal, 1994, 424, L1.	1.6	126
89	CCD calibration of the magnitude scale for the Southern Sky Redshift Survey Extension galaxy sample. Astronomical Journal, 1993, 106, 676.	1.9	14
90	The velocity-distance relation for galaxies on a bubble. Astrophysical Journal, 1992, 395, 347.	1.6	18

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91	A cognitive system for astronomical image interpretation. Pattern Recognition Letters, 1990, 11, 507-515.	2.6	7
92	Redshifts for fainter galaxies in the first CfA survey slice. II. Astronomical Journal, 1990, 100, 1405.	1.9	7
93	A combined optical/X-ray study of the Galaxy cluster Abell 2256. Astrophysical Journal, 1989, 336, 77.	1.6	47
94	Automated Classification of Resolved Galaxies. , 1989, , 121-128.		3
95	Astronomical Object Classification. Machine Intelligence and Pattern Recognition, 1988, , 317-328.	0.2	2
96	The kinematics and dynamics of the rich cluster of galaxies Abell 539. Astronomical Journal, 1988, 96, 1775.	1.9	22
97	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
98	The Astronomy Digital Library and the VO. , 0, , 267-268.		0
99	Content of the Future in the ADS. , 0, , .		0