

Edward Ford Schlafly

List of Publications by Year in descending order

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75
papers

16,036
citations

50276

46
h-index

76900

74
g-index

75
all docs

75
docs citations

75
times ranked

12363
citing authors

#	ARTICLE	IF	CITATIONS
1	Eight-year Full-depth unWISE Coadds. Research Notes of the AAS, 2022, 6, 62.	0.7	3
2	A Reanalysis of Public Galactic Bulge Gravitational Microlensing Events from OGLE-III and -IV. Astrophysical Journal, Supplement Series, 2022, 260, 2.	7.7	7
3	Data-driven Stellar Models. Astrophysical Journal, 2021, 907, 57.	4.5	6
4	The CatWISE2020 Catalog. Astrophysical Journal, Supplement Series, 2021, 253, 8.	7.7	131
5	Discovering New Strong Gravitational Lenses in the DESI Legacy Imaging Surveys. Astrophysical Journal, 2021, 909, 27.	4.5	38
6	Six-year Static Sky unWISE Coadds. Research Notes of the AAS, 2021, 5, 168.	0.7	3
7	Full-sky unWISE Coadds at Seven Yearsâ€™ Depth. Research Notes of the AAS, 2021, 5, 200.	0.7	4
8	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. Astronomical Journal, 2021, 162, 302.	4.7	44
9	Finding Strong Gravitational Lenses in the DESI DECam Legacy Survey. Astrophysical Journal, 2020, 894, 78.	4.5	51
10	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. Astrophysical Journal, Supplement Series, 2020, 249, 3.	7.7	826
11	A Galactic-scale gas wave in the solar neighbourhood. Nature, 2020, 578, 237-239.	27.8	86
12	A compendium of distances to molecular clouds in the Star Formation Handbook. Astronomy and Astrophysics, 2020, 633, A51.	5.1	141
13	unWISE tomography of Planck CMB lensing. Journal of Cosmology and Astroparticle Physics, 2020, 047-047.	5.4	42
14	Expanding the Y Dwarf Census with Spitzer Follow-up of the Coldest CatWISE Solar Neighborhood Discoveries. Astrophysical Journal, 2020, 889, 74.	4.5	26
15	Pan-STARRS Photometric and Astrometric Calibration. Astrophysical Journal, Supplement Series, 2020, 251, 6.	7.7	138
16	Transformations from Pan-STARRS1 and UBV Filters into ZTF Filters. Research Notes of the AAS, 2020, 4, 38.	0.7	3
17	Dynamic Observing and Tiling Strategies for the DESI Legacy Surveys. Astronomical Journal, 2020, 160, 61.	4.7	3
18	Gravitational Microlensing Event Statistics for the Zwicky Transient Facility. Astrophysical Journal, 2020, 897, 144.	4.5	4

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19	Deep ugrizY imaging and DEEP2/3 spectroscopy: a photometric redshift testbed for LSST and public release of data from the DEEP3 Galaxy Redshift Survey. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4565-4584.	4.4	12
20	A Large Catalog of Accurate Distances to Local Molecular Clouds: The Gaia DR2 Edition. Astrophysical Journal, 2019, 879, 125.	4.5	183
21	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. Astrophysical Journal, Supplement Series, 2019, 240, 23.	7.7	299
22	Overview of the DESI Legacy Imaging Surveys. Astronomical Journal, 2019, 157, 168.	4.7	825
23	The unWISE Catalog: Two Billion Infrared Sources from Five Years of <i>WISE</i> Imaging. Astrophysical Journal, Supplement Series, 2019, 240, 30.	7.7	182
24	A 3D Dust Map Based on Gaia, Pan-STARRS 1, and 2MASS. Astrophysical Journal, 2019, 887, 93.	4.5	681
25	SDSS-IV MaStar: A Large and Comprehensive Empirical Stellar Spectral Library—First Release. Astrophysical Journal, 2019, 883, 175.	4.5	67
26	Discovery of a Disrupting Open Cluster Far into the Milky Way Halo: A Recent Star Formation Event in the Leading Arm of the Magellanic Stream?. Astrophysical Journal, 2019, 887, 19.	4.5	20
27	The DECam Plane Survey: Optical Photometry of Two Billion Objects in the Southern Galactic Plane. Astrophysical Journal, Supplement Series, 2018, 234, 39.	7.7	111
28	UKIRT-2017-BLG-001Lb: A Giant Planet Detected through the Dust. Astrophysical Journal Letters, 2018, 857, L8.	8.3	33
29	The Optical/Near-infrared Extinction Law in Highly Reddened Regions. Astrophysical Journal, 2018, 855, 13.	4.5	23
30	A Color-locus Method for Mapping $R_{\text{sub}}V_{\text{sub}}$ Using Ensembles of Stars. Astrophysical Journal, 2018, 854, 79.	4.5	2
31	Mapping Distances across the Perseus Molecular Cloud Using CO Observations, Stellar Photometry, and Gaia DR2 Parallax Measurements. Astrophysical Journal, 2018, 869, 83.	4.5	78
32	Confirmation of a New Metal-poor Globular Cluster in the Galactic Bulge [^] . Astrophysical Journal, 2018, 866, 12.	4.5	10
33	Galactic reddening in 3D from stellar photometry— an improved map. Monthly Notices of the Royal Astronomical Society, 2018, 478, 651-666.	4.4	337
34	The APOGEE-2 Survey of the Orion Star-forming Complex. I. Target Selection and Validation with Early Observations. Astrophysical Journal, Supplement Series, 2018, 236, 27.	7.7	23
35	The Complete Light-curve Sample of Spectroscopically Confirmed SNe Ia from Pan-STARRS1 and Cosmological Constraints from the Combined Pantheon Sample. Astrophysical Journal, 2018, 859, 101.	4.5	1,694
36	SEARCHING FOR PLANET NINE WITH COADDED WISE AND NEOWISE-REACTIVATION IMAGES. Astronomical Journal, 2017, 153, 65.	4.7	40

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37	Machine-learned Identification of RR Lyrae Stars from Sparse, Multi-band Data: The PS1 Sample. <i>Astronomical Journal</i> , 2017, 153, 204.	4.7	112
38	Mapping the Extinction Curve in 3D: Structure on Kiloparsec Scales. <i>Astrophysical Journal</i> , 2017, 838, 36.	4.5	33
39	Physical Properties of 15 Quasars at $z \approx 6.5$. <i>Astrophysical Journal</i> , 2017, 849, 91.	4.5	230
40	LOW SURFACE BRIGHTNESS IMAGING OF THE MAGELLANIC SYSTEM: IMPRINTS OF TIDAL INTERACTIONS BETWEEN THE CLOUDS IN THE STELLAR PERIPHERY. <i>Astrophysical Journal</i> , 2016, 825, 20.	4.5	77
41	THE TIME-DOMAIN SPECTROSCOPIC SURVEY: UNDERSTANDING THE OPTICALLY VARIABLE SKY WITH SEQUELS IN SDSS-III. <i>Astrophysical Journal</i> , 2016, 825, 137.	4.5	18
42	Pan-STARRS1 as pilot-survey for panoptic time-domain science. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 118-121.	0.0	0
43	THE STELLAR POPULATION STRUCTURE OF THE GALACTIC DISK. <i>Astrophysical Journal</i> , 2016, 823, 30.	4.5	178
44	THE OPTICAL-INFRARED EXTINCTION CURVE AND ITS VARIATION IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2016, 821, 78.	4.5	185
45	A synoptic map of halo substructures from the Pan-STARRS1 3i survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1759-1768.	4.4	97
46	HYPERCALIBRATION: A PAN-STARRS1-BASED RECALIBRATION OF THE SLOAN DIGITAL SKY SURVEY PHOTOMETRY. <i>Astrophysical Journal</i> , 2016, 822, 66.	4.5	91
47	FINDING, CHARACTERIZING, AND CLASSIFYING VARIABLE SOURCES IN MULTI-EPOCH SKY SURVEYS: QSOs AND RR LYRAE IN PS1 3i DATA. <i>Astrophysical Journal</i> , 2016, 817, 73.	4.5	53
48	ON GALACTIC DENSITY MODELING IN THE PRESENCE OF DUST EXTINCTION. <i>Astrophysical Journal</i> , 2016, 818, 130.	4.5	182
49	MAPPING THE MONOCEROS RING IN 3D WITH PAN-STARRS1. <i>Astrophysical Journal</i> , 2016, 825, 140.	4.5	37
50	A THREE-DIMENSIONAL MAP OF MILKY WAY DUST. <i>Astrophysical Journal</i> , 2015, 810, 25.	4.5	408
51	THE NATURE AND ORBIT OF THE OPHIUCHUS STREAM. <i>Astrophysical Journal</i> , 2015, 809, 59.	4.5	26
52	SAGITTARIUS II, DRACO II AND LAEVENS 3: THREE NEW MILKY WAY SATELLITES DISCOVERED IN THE PAN-STARRS 1 3i SURVEY. <i>Astrophysical Journal</i> , 2015, 813, 44.	4.5	196
53	SUPERCAL: CROSS-CALIBRATION OF MULTIPLE PHOTOMETRIC SYSTEMS TO IMPROVE COSMOLOGICAL MEASUREMENTS WITH TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2015, 815, 117.	4.5	117
54	THREE-DIMENSIONAL DUST MAPPING REVEALS THAT ORION FORMS PART OF A LARGE RING OF DUST. <i>Astrophysical Journal</i> , 2015, 799, 116.	4.5	32

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55	A NEW FAINT MILKY WAY SATELLITE DISCOVERED IN THE PAN-STARRS1 3 μ SURVEY. <i>Astrophysical Journal Letters</i> , 2015, 802, L18.	8.3	135
56	CONSTRAINING THE RADIO-LOUD FRACTION OF QUASARS AT $z > 5.5$. <i>Astrophysical Journal</i> , 2015, 804, 118.	4.5	87
57	SYSTEMATIC UNCERTAINTIES ASSOCIATED WITH THE COSMOLOGICAL ANALYSIS OF THE FIRST PAN-STARRS1 TYPE Ia SUPERNOVA SAMPLE. <i>Astrophysical Journal</i> , 2014, 795, 45.	4.5	131
58	Galactic globular and open cluster fiducial sequences in the Pan-STARRS1 photometric system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2999-3009.	4.4	26
59	Serendipitous discovery of a thin stellar stream near the Galactic bulge in the Pan-STARRS1 3 μ Survey. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 443, L84-L88.	3.3	51
60	MEASURING QUASAR VARIABILITY WITH Pan-STARRS1 AND SDSS. <i>Astrophysical Journal</i> , 2014, 784, 92.	4.5	45
61	THE COMPLEX STRUCTURE OF STARS IN THE OUTER GALACTIC DISK AS REVEALED BY PAN-STARRS1. <i>Astrophysical Journal</i> , 2014, 791, 9.	4.5	63
62	A NEW DISTANT MILKY WAY GLOBULAR CLUSTER IN THE PAN-STARRS1 3 μ SURVEY. <i>Astrophysical Journal Letters</i> , 2014, 786, L3.	8.3	88
63	MEASURING DISTANCES AND REDDENINGS FOR A BILLION STARS: TOWARD A 3D DUST MAP FROM PAN-STARRS 1. <i>Astrophysical Journal</i> , 2014, 783, 114.	4.5	84
64	A LARGE CATALOG OF ACCURATE DISTANCES TO MOLECULAR CLOUDS FROM PS1 PHOTOMETRY. <i>Astrophysical Journal</i> , 2014, 786, 29.	4.5	164
65	COSMOLOGICAL CONSTRAINTS FROM MEASUREMENTS OF TYPE Ia SUPERNOVAE DISCOVERED DURING THE FIRST 1.5 yr OF THE Pan-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2014, 795, 44.	4.5	262
66	A MAP OF DUST REDDENING TO 4.5 kpc FROM Pan-STARRS1. <i>Astrophysical Journal</i> , 2014, 789, 15.	4.5	85
67	LACERTA I AND CASSIOPEIA III. TWO LUMINOUS AND DISTANT ANDROMEDA SATELLITE DWARF GALAXIES FOUND IN THE 3 μ PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2013, 772, 15.	4.5	81
68	THE PAN-STARRS 1 PHOTOMETRIC REFERENCE LADDER, RELEASE 12.01. <i>Astrophysical Journal, Supplement Series</i> , 2013, 205, 20.	7.7	270
69	PERSEUS I: A DISTANT SATELLITE DWARF GALAXY OF ANDROMEDA. <i>Astrophysical Journal Letters</i> , 2013, 779, L10.	8.3	42
70	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. IV. DISSECTING DUST. <i>Astrophysical Journal</i> , 2012, 757, 166.	4.5	60
71	PHOTOMETRIC CALIBRATION OF THE FIRST 1.5 YEARS OF THE PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2012, 756, 158.	4.5	311
72	MEASURING REDDENING WITH SLOAN DIGITAL SKY SURVEY STELLAR SPECTRA AND RECALIBRATING SFD. <i>Astrophysical Journal</i> , 2011, 737, 103.	4.5	5,294

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73	Ameliorating systematic uncertainties in the angular clustering of galaxies: a study using the SDSS-III. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1350-1373.	4.4	155
74	THE BLUE TIP OF THE STELLAR LOCUS: MEASURING REDDENING WITH THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, 2010, 725, 1175-1191.	4.5	138
75	CGRaBS: An All-Sky Survey of Gamma-Ray Blazar Candidates. Astrophysical Journal, Supplement Series, 2008, 175, 97-104.	7.7	216