

Edward Ford Schlafly

List of Publications by Year in descending order

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papers

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citations

50276

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#	ARTICLE	IF	CITATIONS
1	MEASURING REDDENING WITH SLOAN DIGITAL SKY SURVEY STELLAR SPECTRA AND RECALIBRATING SFD. <i>Astrophysical Journal</i> , 2011, 737, 103.	4.5	5,294
2	The Complete Light-curve Sample of Spectroscopically Confirmed SNe Ia from Pan-STARRS1 and Cosmological Constraints from the Combined Pantheon Sample. <i>Astrophysical Journal</i> , 2018, 859, 101.	4.5	1,694
3	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
4	Overview of the DESI Legacy Imaging Surveys. <i>Astronomical Journal</i> , 2019, 157, 168.	4.7	825
5	A 3D Dust Map Based on Gaia, Pan-STARRS 1, and 2MASS. <i>Astrophysical Journal</i> , 2019, 887, 93.	4.5	681
6	A THREE-DIMENSIONAL MAP OF MILKY WAY DUST. <i>Astrophysical Journal</i> , 2015, 810, 25.	4.5	408
7	Galactic reddening in 3D from stellar photometry – an improved map. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 651-666.	4.4	337
8	PHOTOMETRIC CALIBRATION OF THE FIRST 1.5 YEARS OF THE PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2012, 756, 158.	4.5	311
9	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299
10	THE PAN-STARRS 1 PHOTOMETRIC REFERENCE LADDER, RELEASE 12.01. <i>Astrophysical Journal, Supplement Series</i> , 2013, 205, 20.	7.7	270
11	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
12	Physical Properties of 15 Quasars at $z \approx 6.5$. <i>Astrophysical Journal</i> , 2017, 849, 91.	4.5	230
13	CGRaBS: An All-Sky Survey of Gamma-Ray Blazar Candidates. <i>Astrophysical Journal, Supplement Series</i> , 2008, 175, 97-104.	7.7	216
14	SAGITTARIUS II, DRACO II AND LAEVENS 3: THREE NEW MILKY WAY SATELLITES DISCOVERED IN THE PAN-STARRS 1 SURVEY. <i>Astrophysical Journal</i> , 2015, 813, 44.	4.5	196
15	THE OPTICAL-INFRARED EXTINCTION CURVE AND ITS VARIATION IN THE MILKY WAY. <i>Astrophysical Journal</i> , 2016, 821, 78.	4.5	185
16	A Large Catalog of Accurate Distances to Local Molecular Clouds: The Gaia DR2 Edition. <i>Astrophysical Journal</i> , 2019, 879, 125.	4.5	183
17	ON GALACTIC DENSITY MODELING IN THE PRESENCE OF DUST EXTINCTION. <i>Astrophysical Journal</i> , 2016, 818, 130.	4.5	182
18	The unWISE Catalog: Two Billion Infrared Sources from Five Years of WISE Imaging. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 30.	7.7	182

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19	THE STELLAR POPULATION STRUCTURE OF THE GALACTIC DISK. <i>Astrophysical Journal</i> , 2016, 823, 30.	4.5	178
20	A LARGE CATALOG OF ACCURATE DISTANCES TO MOLECULAR CLOUDS FROM PS1 PHOTOMETRY. <i>Astrophysical Journal</i> , 2014, 786, 29.	4.5	164
21	Ameliorating systematic uncertainties in the angular clustering of galaxies: a study using the SDSS-III. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1350-1373.	4.4	155
22	A compendium of distances to molecular clouds in the Star Formation Handbook. <i>Astronomy and Astrophysics</i> , 2020, 633, A51.	5.1	141
23	THE BLUE TIP OF THE STELLAR LOCUS: MEASURING REDDENING WITH THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal</i> , 2010, 725, 1175-1191.	4.5	138
24	Pan-STARRS Photometric and Astrometric Calibration. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 6.	7.7	138
25	A NEW FAINT MILKY WAY SATELLITE DISCOVERED IN THE PAN-STARRS1 3 <i>σ</i> SURVEY. <i>Astrophysical Journal Letters</i> , 2015, 802, L18.	8.3	135
26	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
27	The CatWISE2020 Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 8.	7.7	131
28	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
29	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
30	The DECam Plane Survey: Optical Photometry of Two Billion Objects in the Southern Galactic Plane. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 39.	7.7	111
31	A synoptic map of halo substructures from the Pan-STARRS1 3 σ survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1759-1768.	4.4	97
32	HYPERCALIBRATION: A PAN-STARRS1-BASED RECALIBRATION OF THE SLOAN DIGITAL SKY SURVEY PHOTOMETRY. <i>Astrophysical Journal</i> , 2016, 822, 66.	4.5	91
33	A NEW DISTANT MILKY WAY GLOBULAR CLUSTER IN THE PAN-STARRS1 3 σ SURVEY. <i>Astrophysical Journal Letters</i> , 2014, 786, L3.	8.3	88
34	CONSTRAINING THE RADIO-LOUD FRACTION OF QUASARS AT $z < 5.5$. <i>Astrophysical Journal</i> , 2015, 804, 118.	4.5	87
35	A Galactic-scale gas wave in the solar neighbourhood. <i>Nature</i> , 2020, 578, 237-239.	27.8	86
36	A MAP OF DUST REDDENING TO 4.5 kpc FROM Pan-STARRS1. <i>Astrophysical Journal</i> , 2014, 789, 15.	4.5	85

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37	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
38	LACERTA I AND CASSIOPEIA III. TWO LUMINOUS AND DISTANT ANDROMEDA SATELLITE DWARF GALAXIES FOUND IN THE 3rd PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2013, 772, 15.	4.5	81
39	Mapping Distances across the Perseus Molecular Cloud Using CO Observations, Stellar Photometry, and Gaia DR2 Parallax Measurements. <i>Astrophysical Journal</i> , 2018, 869, 83.	4.5	78
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	SDSS-IV MaStar: A Large and Comprehensive Empirical Stellar Spectral Library—First Release. <i>Astrophysical Journal</i> , 2019, 883, 175.	4.5	67
42	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
43	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. IV. DISSECTING DUST. <i>Astrophysical Journal</i> , 2012, 757, 166.	4.5	60
44	FINDING, CHARACTERIZING, AND CLASSIFYING VARIABLE SOURCES IN MULTI-EPOCH SKY SURVEYS: QSOs AND RR LYRAE IN PS1 3rd DATA. <i>Astrophysical Journal</i> , 2016, 817, 73.	4.5	53
45	Serendipitous discovery of a thin stellar stream near the Galactic bulge in the Pan-STARRS1 3rd Survey. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 443, L84-L88.	3.3	51
46	Finding Strong Gravitational Lenses in the DESI DECam Legacy Survey. <i>Astrophysical Journal</i> , 2020, 894, 78.	4.5	51
47	MEASURING QUASAR VARIABILITY WITH Pan-STARRS1 AND SDSS. <i>Astrophysical Journal</i> , 2014, 784, 92.	4.5	45
48	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. <i>Astronomical Journal</i> , 2021, 162, 302.	4.7	44
49	PERSEUS I: A DISTANT SATELLITE DWARF GALAXY OF ANDROMEDA. <i>Astrophysical Journal Letters</i> , 2013, 779, L10.	8.3	42
50	unWISE tomography of Planck CMB lensing. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 047-047.	5.4	42
51	SEARCHING FOR PLANET NINE WITH COADDED WISE AND NEOWISE-REACTIVATION IMAGES. <i>Astronomical Journal</i> , 2017, 153, 65.	4.7	40
52	Discovering New Strong Gravitational Lenses in the DESI Legacy Imaging Surveys. <i>Astrophysical Journal</i> , 2021, 909, 27.	4.5	38
53	MAPPING THE MONOCEROS RING IN 3D WITH PAN-STARRS1. <i>Astrophysical Journal</i> , 2016, 825, 140.	4.5	37
54	Mapping the Extinction Curve in 3D: Structure on Kiloparsec Scales. <i>Astrophysical Journal</i> , 2017, 838, 36.	4.5	33

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55	UKIRT-2017-BLG-001Lb: A Giant Planet Detected through the Dust. <i>Astrophysical Journal Letters</i> , 2018, 857, L8.	8.3	33
56	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
57	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
58	THE NATURE AND ORBIT OF THE OPHIUCHUS STREAM. <i>Astrophysical Journal</i> , 2015, 809, 59.	4.5	26
59	Expanding the Y Dwarf Census with Spitzer Follow-up of the Coldest CatWISE Solar Neighborhood Discoveries. <i>Astrophysical Journal</i> , 2020, 889, 74.	4.5	26
60	The Optical/Near-infrared Extinction Law in Highly Reddened Regions. <i>Astrophysical Journal</i> , 2018, 855, 13.	4.5	23
61	The APOGEE-2 Survey of the Orion Star-forming Complex. I. Target Selection and Validation with Early Observations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 27.	7.7	23
62	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?. <i>Astrophysical Journal</i> , 2019, 887, 19.	4.5	20
63	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
64	Deep ugrizY imaging and DEEP2/3 spectroscopy: a photometric redshift testbed for LSST and public release of data from the DEEP3 Galaxy Redshift Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4565-4584.	4.4	12
65	Confirmation of a New Metal-poor Globular Cluster in the Galactic Bulge. <i>Astrophysical Journal</i> , 2018, 866, 12.	4.5	10
66	A Reanalysis of Public Galactic Bulge Gravitational Microlensing Events from OGLE-III and -IV. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 2.	7.7	7
67	Data-driven Stellar Models. <i>Astrophysical Journal</i> , 2021, 907, 57.	4.5	6
68	Full-sky unWISE Coadds at Seven Years' Depth. <i>Research Notes of the AAS</i> , 2021, 5, 200.	0.7	4
69	Gravitational Microlensing Event Statistics for the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2020, 897, 144.	4.5	4
70	Six-year Static Sky unWISE Coadds. <i>Research Notes of the AAS</i> , 2021, 5, 168.	0.7	3
71	Transformations from Pan-STARRS1 and UBV Filters into ZTF Filters. <i>Research Notes of the AAS</i> , 2020, 4, 38.	0.7	3
72	Dynamic Observing and Tiling Strategies for the DESI Legacy Surveys. <i>Astronomical Journal</i> , 2020, 160, 61.	4.7	3

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73	Eight-year Full-depth unWISE Coads. Research Notes of the AAS, 2022, 6, 62.	0.7	3
74	A Color-locus Method for Mapping $R_{_V}$ Using Ensembles of Stars. Astrophysical Journal, 2018, 854, 79.	4.5	2
75	Pan-STARRS1 as pilot-survey for panoptic time-domain science. Proceedings of the International Astronomical Union, 2016, 12, 118-121.	0.0	0