Daniel A Goldstein

List of Publications by Year
in descending order

46 papers	6,361 citations	147726 31 h-index	214721 47 g-index
47 all docs	47 docs citations	47 times ranked	6670 citing authors

#	Article	IF	Citations
1	LSST: From Science Drivers to Reference Design and Anticipated Data Products. Astrophysical Journal, 2019, 873, 111.	1.6	1,744
2	The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002.	1.0	1,020
3	The Dark Energy Survey: Data Release 1. Astrophysical Journal, Supplement Series, 2018, 239, 18.	3.0	455
4	The Zwicky Transient Facility: Science Objectives. Publications of the Astronomical Society of the Pacific, 2019, 131, 078001.	1.0	453
5	SEARCHING FOR DARK MATTER ANNIHILATION IN RECENTLY DISCOVERED MILKY WAY SATELLITES WITH FERMI-LAT. Astrophysical Journal, 2017, 834, 110.	1.6	412
6	THE REDMAPPER GALAXY CLUSTER CATALOG FROM DES SCIENCE VERIFICATION DATA. Astrophysical Journal, Supplement Series, 2016, 224, 1.	3.0	233
7	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. Astrophysical Journal Letters, 2019, 872, L30.	3.0	201
8	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. Astronomical Journal, 2015, 150, 172.	1.9	128
9	Farthest Neighbor: The Distant Milky Way Satellite Eridanus II*. Astrophysical Journal, 2017, 838, 8.	1.6	119
10	AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. Astronomical Journal, 2015, 150, 82.	1.9	107
11	GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. Astrophysical Journal Letters, 2019, 885, L19.	3.0	86
12	Nearest Neighbor: The Low-mass Milky Way Satellite Tucana III*. Astrophysical Journal, 2017, 838, 11.	1.6	83
13	An Extended Catalog of Galaxy–Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. Astrophysical Journal, Supplement Series, 2019, 243, 17.	3.0	77
14	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. Astrophysical Journal, 2019, 886, 152.	1.6	77
15	GROWTH on S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Star–Black Hole Merger. Astrophysical Journal, 2020, 890, 131.	1.6	74
16	Optical follow-up of the neutron star–black hole mergers S200105ae and S200115j. Nature Astronomy, 2021, 5, 46-53.	4.2	71
17	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. Astrophysical Journal, 2020, 905, 145.	1.6	69
18	Precise Time Delays from Strongly Gravitationally Lensed Type Ia Supernovae with Chromatically Microlensed Images. Astrophysical Journal, 2018, 855, 22.	1.6	60

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19	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. Astrophysical Journal, 2019, 874, 106.	1.6	60
20	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. Astrophysical Journal, 2021, 907, 99.	1.6	59
21	The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. Astrophysical Journal, 2020, 905, 58.	1.6	57
22	HOST GALAXY IDENTIFICATION FOR SUPERNOVA SURVEYS. Astronomical Journal, 2016, 152, 154.	1.9	55
23	Evidence for Late-stage Eruptive Mass Loss in the Progenitor to SN2018gep, a Broad-lined Ic Supernova: Pre-explosion Emission and a Rapidly Rising Luminous Transient. Astrophysical Journal, 2019, 887, 169.	1.6	55
24	HOW TO FIND GRAVITATIONALLY LENSED TYPE Ia SUPERNOVAE. Astrophysical Journal Letters, 2017, 834, L5.	3.0	54
25	An ASKAP Search for a Radio Counterpart to the First High-significance Neutron Star–Black Hole Merger LIGO/Virgo S190814bv. Astrophysical Journal Letters, 2019, 887, L13.	3.0	45
26	Evidence for Sub-Chandrasekhar Mass Type Ia Supernovae from an Extensive Survey of Radiative Transfer Models. Astrophysical Journal Letters, 2018, 852, L33.	3.0	41
27	Rates and Properties of Supernovae Strongly Gravitationally Lensed by Elliptical Galaxies in Time-domain Imaging Surveys. Astrophysical Journal, Supplement Series, 2019, 243, 6.	3.0	41
28	The impact of microlensing on the standardization of strongly lensed Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5081-5090.	1.6	40
29	GROWTH on S190426c: Real-time Search for a Counterpart to the Probable Neutron Star–Black Hole Merger using an Automated Difference Imaging Pipeline for DECam. Astrophysical Journal Letters, 2019, 881, L7.	3.0	39
30	A Search for Kilonovae in the Dark Energy Survey. Astrophysical Journal, 2017, 837, 57.	1.6	34
31	Discovery of the Lensed Quasar System DES J0408-5354. Astrophysical Journal Letters, 2017, 838, L15.	3.0	32
32	GROWTH on S190510g: DECam Observation Planning and Follow-up of a Distant Binary Neutron Star Merger Candidate. Astrophysical Journal Letters, 2019, 881, L16.	3.0	30
33	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. Astrophysical Journal Letters, 2017, 839, L15.	3.0	28
34	SN 2020bvc: A Broad-line Type Ic Supernova with a Double-peaked Optical Light Curve and a Luminous X-Ray and Radio Counterpart. Astrophysical Journal, 2020, 902, 86.	1.6	25
35	ASSESSMENT OF SYSTEMATIC CHROMATIC ERRORS THAT IMPACT SUB-1% PHOTOMETRIC PRECISION IN LARGE-AREA SKY SURVEYS. Astronomical Journal, 2016, 151, 157.	1.9	24
36	ZTF18aalrxas: A Type IIb Supernova from a Very Extended Low-mass Progenitor. Astrophysical Journal Letters, 2019, 878, L5.	3.0	24

#	Article	IF	Citations
37	ZTF20aajnksq (AT 2020blt): A Fast Optical Transient at z≈2.9 with No Detected Gamma-Ray Burst Counterpart. Astrophysical Journal, 2020, 905, 98.	1.6	24
38	Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. Astrophysical Journal, 2018, 854, 37.	1.6	23
39	Real-time Recovery Efficiencies and Performance of the Palomar Transient Factory's Transient Discovery Pipeline. Astrophysical Journal, Supplement Series, 2017, 230, 4.	3.0	22
40	A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey. Astronomical Journal, 2017, 153, 107.	1.9	21
41	Core or Cusps: The Central Dark Matter Profile of a Strong Lensing Cluster with a Bright Central Image at Redshift 1. Astrophysical Journal, 2017, 843, 148.	1.6	20
42	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. Astrophysical Journal Letters, 2019, 873, L24.	3.0	14
43	Simultaneous Observations of the Northern TESS Sectors by the Zwicky Transient Facility. Research Notes of the AAS, 2019, 3, 136.	0.3	11
44	Observing the earliest moments of supernovae using strong gravitational lenses. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4622-4637.	1.6	6
45	Removing Atmospheric Fringes from Zwicky Transient Facility i-band Images using Principal Component Analysis. Publications of the Astronomical Society of the Pacific, 2021, 133, 064503.	1.0	2
46	HEALPix Alchemy: Fast All-Sky Geometry and Image Arithmetic in a Relational Database for Multimessenger Astronomy Brokers. Astronomical Journal, 2022, 163, 209.	1.9	2