

# Daniel A Goldstein

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46  
papers

3,628  
citations

28  
h-index

47  
g-index

47  
ext. papers

4,916  
ext. citations

5.9  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
46	HEALPix Alchemy: Fast All-Sky Geometry and Image Arithmetic in a Relational Database for Multimessenger Astronomy Brokers. <i>Astronomical Journal</i> , <b>2022</b> , 163, 209	4.9	
45	Removing Atmospheric Fringes from Zwicky Transient Facility i-band Images using Principal Component Analysis. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2021</b> , 133, 064503	5	1
44	Optical follow-up of the neutron star/black hole mergers S200105ae and S200115j. <i>Nature Astronomy</i> , <b>2021</b> , 5, 46-53	12.1	34
43	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. <i>Astrophysical Journal</i> , <b>2021</b> , 907, 99	4.7	18
42	GROWTH on S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Star/Black Hole Merger. <i>Astrophysical Journal</i> , <b>2020</b> , 890, 131	4.7	51
41	SN 2020bvc: A Broad-line Type Ic Supernova with a Double-peaked Optical Light Curve and a Luminous X-Ray and Radio Counterpart. <i>Astrophysical Journal</i> , <b>2020</b> , 902, 86	4.7	9
40	The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 58	4.7	27
39	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 145	4.7	29
38	ZTF20aajnksq (AT 2020blt): A Fast Optical Transient at $z=0.9$ with No Detected Gamma-Ray Burst Counterpart. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 98	4.7	9
37	Observing the earliest moments of supernovae using strong gravitational lenses. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 4622-4637	4.3	1
36	Rates and Properties of Supernovae Strongly Gravitationally Lensed by Elliptical Galaxies in Time-domain Imaging Surveys. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 6	8	25
35	An Extended Catalog of Galaxy/Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 17	8	34
34	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. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 881, L7	7.9	28
33	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 106	4.7	34
32	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , <b>2019</b> , 873, 111	4.7	814
31	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 872, L30	7.9	113
30	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 873, L24	7.9	12

29	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2019</b> , 131, 078001	5	256
28	ZTF18aalrxas: A Type IIb Supernova from a Very Extended Low-mass Progenitor. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 878, L5	7.9	17
27	GROWTH on S190510g: DECam Observation Planning and Follow-up of a Distant Binary Neutron Star Merger Candidate. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 881, L16	7.9	19
26	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 152	4.7	47
25	Simultaneous Observations of the Northern TESS Sectors by the Zwicky Transient Facility. <i>Research Notes of the AAS</i> , <b>2019</b> , 3, 136	0.8	6
24	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. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 169	4.7	36
23	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. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 885, L19	7.9	54
22	An ASKAP Search for a Radio Counterpart to the First High-significance Neutron Star Black Hole Merger LIGO/Virgo S190814bv. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 887, L13	7.9	31
21	The Zwicky Transient Facility: System Overview, Performance, and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2019</b> , 131, 018002	5	472
20	Precise Time Delays from Strongly Gravitationally Lensed Type Ia Supernovae with Chromatically Microlensed Images. <i>Astrophysical Journal</i> , <b>2018</b> , 855, 22	4.7	43
19	Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 37	4.7	20
18	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 239, 18	8	313
17	The impact of microlensing on the standardization of strongly lensed Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 5081-5090	4.3	28
16	Evidence for Sub-Chandrasekhar Mass Type Ia Supernovae from an Extensive Survey of Radiative Transfer Models. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 852, L33	7.9	37
15	HOW TO FIND GRAVITATIONALLY LENSED TYPE Ia SUPERNOVAE. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 834, L5	7.9	40
14	SEARCHING FOR DARK MATTER ANNIHILATION IN RECENTLY DISCOVERED MILKY WAY SATELLITES WITH FERMI-LAT. <i>Astrophysical Journal</i> , <b>2017</b> , 834, 110	4.7	249
13	A Search for Kilonovae in the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2017</b> , 837, 57	4.7	31
12	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 839, L15	7.9	24

11	Real-time Recovery Efficiencies and Performance of the Palomar Transient Factory Transient Discovery Pipeline. <i>Astrophysical Journal, Supplement Series</i> , <b>2017</b> , 230, 4	8	19
10	A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey. <i>Astronomical Journal</i> , <b>2017</b> , 153, 107	4.9	17
9	Nearest Neighbor: The Low-mass Milky Way Satellite Tucana III. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 11	4.7	66
8	Farthest Neighbor: The Distant Milky Way Satellite Eridanus II. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 8	4.7	93
7	Discovery of the Lensed Quasar System DES J0408-5354. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 838, L15	7.9	30
6	Core or Cusps: The Central Dark Matter Profile of a Strong Lensing Cluster with a Bright Central Image at Redshift 1. <i>Astrophysical Journal</i> , <b>2017</b> , 843, 148	4.7	12
5	HOST GALAXY IDENTIFICATION FOR SUPERNOVA SURVEYS. <i>Astronomical Journal</i> , <b>2016</b> , 152, 154	4.9	36
4	ASSESSMENT OF SYSTEMATIC CHROMATIC ERRORS THAT IMPACT SUB-1% PHOTOMETRIC PRECISION IN LARGE-AREA SKY SURVEYS. <i>Astronomical Journal</i> , <b>2016</b> , 151, 157	4.9	21
3	THE REDMAPPER GALAXY CLUSTER CATALOG FROM DES SCIENCE VERIFICATION DATA. <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 224, 1	8	176
2	AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , <b>2015</b> , 150, 82	4.9	91
1	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , <b>2015</b> , 150, 172	4.9	101