

# Eran Ofek

## List of Publications by Year in descending order

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79  
papers

5,551  
citations

81900

39  
h-index

79698

73  
g-index

80  
all docs

80  
docs citations

80  
times ranked

5212  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002.	3.1	1,020
2	Relativistic ejecta from X-ray flash XRF 060218 and the rate of cosmic explosions. Nature, 2006, 442, 1014-1017.	27.8	422
3	The Zwicky Transient Facility: Surveys and Scheduler. Publications of the Astronomical Society of the Pacific, 2019, 131, 068003.	3.1	205
4	GIANT SPARKS AT COSMOLOGICAL DISTANCES?. Astrophysical Journal, 2014, 797, 70.	4.5	176
5	MOA-2011-BLG-293Lb: A TEST OF PURE SURVEY MICROLENSING PLANET DETECTIONS. Astrophysical Journal, 2012, 755, 102.	4.5	175
6	OGLE-2005-BLG-071Lb, THE MOST MASSIVE M DWARF PLANETARY COMPANION?. Astrophysical Journal, 2009, 695, 970-987.	4.5	173
7	PROPER IMAGE SUBTRACTIONâ€™ OPTIMAL TRANSIENT DETECTION, PHOTOMETRY, AND HYPOTHESIS TESTING. Astrophysical Journal, 2016, 830, 27.	4.5	171
8	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION. Astrophysical Journal, Supplement Series, 2015, 221, 27.	7.7	153
9	A New Population of Highâ€™Redshift Shortâ€™Duration Gammaâ€™Ray Bursts. Astrophysical Journal, 2007, 664, 1000-1010.	4.5	145
10	DETECTION OF BROAD HÎ± EMISSION LINES IN THE LATE-TIME SPECTRA OF A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA. Astrophysical Journal, 2015, 814, 108.	4.5	107
11	Spectral techniques applied to sparse random graphs. Random Structures and Algorithms, 2005, 27, 251-275.	1.1	106
12	Light Curves of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. Astrophysical Journal, 2018, 860, 100.	4.5	105
13	The rising light curves of Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3895-3910.	4.4	101
14	PROBING THE INTERGALACTIC MEDIUM WITH FAST RADIO BURSTS. Astrophysical Journal, 2014, 797, 71.	4.5	98
15	THE FIRST CIRCUMBINARY PLANET FOUND BY MICROLENSING: OGLE-2007-BLG-349L(AB)c. Astronomical Journal, 2016, 152, 125.	4.7	94
16	THE HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA iPTF 13ajg AND ITS HOST GALAXY IN ABSORPTION AND EMISSION. Astrophysical Journal, 2014, 797, 24.	4.5	92
17	Hydrogen-poor Superluminous Supernovae with Late-time HÎ± Emission: Three Events From the Intermediate Palomar Transient Factory. Astrophysical Journal, 2017, 848, 6.	4.5	91
18	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.	8.3	86

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19	Type Ibn Supernovae Show Photometric Homogeneity and Spectral Diversity at Maximum Light. <i>Astrophysical Journal</i> , 2017, 836, 158.	4.5	79
20	Discovery of GRB 020405 and Its Late Red Bump. <i>Astrophysical Journal</i> , 2003, 589, 838-843.	4.5	75
21	SPIRITS: Uncovering Unusual Infrared Transients with Spitzer. <i>Astrophysical Journal</i> , 2017, 839, 88.	4.5	75
22	The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. <i>Astrophysical Journal</i> , 2019, 872, 198.	4.5	74
23	ASTEROID LIGHT CURVES FROM THE PALOMAR TRANSIENT FACTORY SURVEY: ROTATION PERIODS AND PHASE FUNCTIONS FROM SPARSE PHOTOMETRY. <i>Astronomical Journal</i> , 2015, 150, 75.	4.7	66
24	A Large Fraction of Hydrogen-rich Supernova Progenitors Experience Elevated Mass Loss Shortly Prior to Explosion. <i>Astrophysical Journal</i> , 2021, 912, 46.	4.5	66
25	Near-infrared observations of Type Ia supernovae: the best known standard candle for cosmology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 1007-1012.	4.4	64
26	INTERACTION-POWERED SUPERNOVAE: RISE-TIME VERSUS PEAK-LUMINOSITY CORRELATION AND THE SHOCK-BREAKOUT VELOCITY. <i>Astrophysical Journal</i> , 2014, 788, 154.	4.5	62
27	ON THE EARLY-TIME EXCESS EMISSION IN HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE. <i>Astrophysical Journal</i> , 2017, 835, 58.	4.5	61
28	Two New Calcium-rich Gap Transients in Group and Cluster Environments. <i>Astrophysical Journal</i> , 2017, 836, 60.	4.5	60
29	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. <i>Astrophysical Journal</i> , 2021, 907, 99.	4.5	59
30	An Energetic Afterglow from a Distant Stellar Explosion. <i>Astrophysical Journal</i> , 2006, 646, L99-L102.	4.5	58
31	Far-ultraviolet to Near-infrared Spectroscopy of a Nearby Hydrogen-poor Superluminous Supernova Gaia16apd. <i>Astrophysical Journal</i> , 2017, 840, 57.	4.5	57
32	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> , 2020, 905, 58.	4.5	57
33	The Palomar Transient Factory Core-collapse Supernova Host-galaxy Sample. I. Host-galaxy Distribution Functions and Environment Dependence of Core-collapse Supernovae. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 29.	7.7	56
34	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> , 2019, 887, 169.	4.5	55
35	Multicolor Observations of the GRB 000926 Afterglow. <i>Astrophysical Journal</i> , 2001, 549, L7-L10.	4.5	51
36	MOA-2010-BLG-328Lb: A SUB-NEPTUNE ORBITING VERY LATE M DWARF?. <i>Astrophysical Journal</i> , 2013, 779, 91.	4.5	45

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37	Discovery of the Luminous, Decades-long, Extragalactic Radio Transient FIRST J141918.9+394036. <i>Astrophysical Journal Letters</i> , 2018, 866, L22.	8.3	44
38	A SEARCH FOR STELLAR-MASS BLACK HOLES VIA ASTROMETRIC MICROLENSING. <i>Astrophysical Journal</i> , 2016, 830, 41.	4.5	43
39	Census of the Local Universe (CLU) Narrowband Survey. I. Galaxy Catalogs from Preliminary Fields. <i>Astrophysical Journal</i> , 2019, 880, 7.	4.5	43
40	DISK-RELATED BURSTS AND FADES IN YOUNG STARS. <i>Astrophysical Journal</i> , 2013, 768, 93.	4.5	42
41	PTF13efvâ€”AN OUTBURST 500 DAYS PRIOR TO THE SNHUNT 275 EXPLOSION AND ITS RADIATIVE EFFICIENCY. <i>Astrophysical Journal</i> , 2016, 824, 6.	4.5	39
42	GROWTH on S190426c: Real-time Search for a Counterpart to the Probable Neutron Starâ€”Black Hole Merger using an Automated Difference Imaging Pipeline for DECam. <i>Astrophysical Journal Letters</i> , 2019, 881, L7.	8.3	39
43	AN ACCURATE AND EFFICIENT ALGORITHM FOR DETECTION OF RADIO BURSTS WITH AN UNKNOWN DISPERSION MEASURE, FOR SINGLE-DISH TELESCOPES AND INTERFEROMETERS. <i>Astrophysical Journal</i> , 2017, 835, 11.	4.5	36
44	How to COAAD Images. I. Optimal Source Detection and Photometry of Point Sources Using Ensembles of Images. <i>Astrophysical Journal</i> , 2017, 836, 187.	4.5	35
45	Spectroscopy of GRB 051111 at $z = 1.54948$ : Kinematics and Elemental Abundances of the GRB Environment and Host Galaxy. <i>Astrophysical Journal</i> , 2006, 646, 358-368.	4.5	32
46	The Spectacular Ultraviolet Flash from the Peculiar Type Ia Supernova 2019yvq. <i>Astrophysical Journal</i> , 2020, 898, 56.	4.5	32
47	Study of the Plutino Object (208996) 2003 AZ <sub>84</sub> from Stellar Occultations: Size, Shape, and Topographic Features. <i>Astronomical Journal</i> , 2017, 154, 22.	4.7	31
48	iPTF 16hgs: A Double-peaked Ca-rich Gap Transient in a Metal-poor, Star-forming Dwarf Galaxy. <i>Astrophysical Journal</i> , 2018, 866, 72.	4.5	31
49	Late-time Kilonova Light Curves and Implications to GW170817. <i>Astrophysical Journal</i> , 2019, 878, 93.	4.5	30
50	SEARCH FOR PRECURSOR ERUPTIONS AMONG TYPE IIB SUPERNOVAE. <i>Astrophysical Journal</i> , 2015, 811, 117.	4.5	26
51	SEARCH FOR EARLY GAMMA-RAY PRODUCTION IN SUPERNOVAE LOCATED IN A DENSE CIRCUMSTELLAR MEDIUM WITH THE <i>FERMI</i> -LAT. <i>Astrophysical Journal</i> , 2015, 807, 169.	4.5	26
52	Four (Super)luminous Supernovae from the First Months of the ZTF Survey. <i>Astrophysical Journal</i> , 2020, 901, 61.	4.5	25
53	Optimal and Efficient Streak Detection in Astronomical Images. <i>Astronomical Journal</i> , 2018, 156, 229.	4.7	24
54	How to COAAD Images. II. A Coaddition Image that is Optimal for Any Purpose in the Background-dominated Noise Limit. <i>Astrophysical Journal</i> , 2017, 836, 188.	4.5	23

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55	iPTF Archival Search for Fast Optical Transients. <i>Astrophysical Journal Letters</i> , 2018, 854, L13.	8.3	23
56	A Population of Heavily Reddened, Optically Missed Novae from Palomar Gattini-IR: Constraints on the Galactic Nova Rate. <i>Astrophysical Journal</i> , 2021, 912, 19.	4.5	23
57	Optical follow-up observations of PTF10qts, a luminous broad-lined Type Ic supernova found by the Palomar Transient Factory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2768-2779.	4.4	21
58	Supernova PTF 12glz: A Possible Shock Breakout Driven through an Aspherical Wind. <i>Astrophysical Journal</i> , 2019, 872, 141.	4.5	20
59	A Search for FRB 121102-like Persistent Radio-luminous Sources—Candidates and Implications for the FRB Rate and Searches. <i>Astrophysical Journal</i> , 2017, 846, 44.	4.5	19
60	A Non-equipartition Shock Wave Traveling in a Dense Circumstellar Environment around SN 2020oi. <i>Astrophysical Journal</i> , 2020, 903, 132.	4.5	19
61	SN 2018fif: The Explosion of a Large Red Supergiant Discovered in Its Infancy by the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2020, 902, 6.	4.5	18
62	Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. <i>Astrophysical Journal Letters</i> , 2020, 902, L8.	8.3	18
63	Title is missing!. <i>Theory of Computing</i> , 2007, 3, 25-43.	0.5	18
64	R-band light-curve properties of Type Ia supernovae from the (intermediate) Palomar Transient Factory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5045-5076.	4.4	16
65	Constraining the X-Ray—Infrared Spectral Index of Second-timescale Flares from SGR 1935+2154 with Palomar Gattini-IR. <i>Astrophysical Journal Letters</i> , 2020, 901, L7.	8.3	14
66	A Spectroscopic Search for White Dwarf Companions to 101 Nearby M Dwarfs*. <i>Astrophysical Journal</i> , 2017, 850, 34.	4.5	12
67	Optimal Matched Filter in the Low-number Count Poisson Noise Regime and Implications for X-Ray Source Detection. <i>Astronomical Journal</i> , 2018, 155, 169.	4.7	11
68	A low-energy explosion yields the underluminous Type IIP SN 2020cx. <i>Astronomy and Astrophysics</i> , 2021, 655, A90.	5.1	10
69	Toward the Measurement of the Mass of Isolated Neutron Stars: Prediction of Future Astrometric Microlensing Events by Pulsars. <i>Astrophysical Journal</i> , 2018, 866, 144.	4.5	9
70	Early Ultraviolet Observations of Type II In Supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020, 899, 51.	4.5	9
71	A Possible Advantage of Telescopes with a Noncircular Pupil. <i>Astronomical Journal</i> , 2019, 158, 70.	4.7	8
72	Gravitational Microlensing Events from the First Year of the Northern Galactic Plane Survey by the Zwicky Transient Facility. <i>Research Notes of the AAS</i> , 2020, 4, 13.	0.7	8

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73	AT 2018lqh and the Nature of the Emerging Population of Day-scale Duration Optical Transients. <i>Astrophysical Journal</i> , 2021, 922, 247.	4.5	8
74	The GN-z11-Flash Event can be a Satellite Glint. <i>Research Notes of the AAS</i> , 2021, 5, 27.	0.7	7
75	Geodesics and almost geodesic cycles in random regular graphs. <i>Journal of Graph Theory</i> , 2011, 66, 115-136.	0.9	6
76	PTF11rka: an interacting supernova at the crossroads of stripped-envelope and H-poor superluminous stellar core collapses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3542-3556.	4.4	6
77	Routing complexity of faulty networks. <i>Random Structures and Algorithms</i> , 2008, 32, 71-87.	1.1	4
78	The GALEX-PTF Experiment. II. Supernova Progenitor Radius and Energetics via Shock-cooling Modeling. <i>Astrophysical Journal</i> , 2022, 931, 71.	4.5	2
79	An Optical and Infrared Time-domain Study of the Supergiant Fast X-Ray Transient Candidate IC 10 X-2. <i>Astrophysical Journal</i> , 2018, 856, 38.	4.5	1