

Eran Ofek

List of Publications by Year in descending order

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79
papers

5,551
citations

81900

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79698

73
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docs citations

80
times ranked

5212
citing authors

#	ARTICLE	IF	CITATIONS
1	The GALEX-PTF Experiment. II. Supernova Progenitor Radius and Energetics via Shock-cooling Modeling. <i>Astrophysical Journal</i> , 2022, 931, 71.	4.5	2
2	The GN-z11-Flash Event can be a Satellite Glint. <i>Research Notes of the AAS</i> , 2021, 5, 27.	0.7	7
3	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. <i>Astrophysical Journal</i> , 2021, 907, 99.	4.5	59
4	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
5	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
6	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
7	A low-energy explosion yields the underluminous Type IIP SN 2020cxd. <i>Astronomy and Astrophysics</i> , 2021, 655, A90.	5.1	10
8	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
9	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
10	Early Ultraviolet Observations of Type II _n Supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020, 899, 51.	4.5	9
11	The Spectacular Ultraviolet Flash from the Peculiar Type Ia Supernova 2019yvq. <i>Astrophysical Journal</i> , 2020, 898, 56.	4.5	32
12	Four (Super)luminous Supernovae from the First Months of the ZTF Survey. <i>Astrophysical Journal</i> , 2020, 901, 61.	4.5	25
13	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
14	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
15	A Non-equipartition Shock Wave Traveling in a Dense Circumstellar Environment around SN 2020oi. <i>Astrophysical Journal</i> , 2020, 903, 132.	4.5	19
16	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
17	Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. <i>Astrophysical Journal Letters</i> , 2020, 902, L8.	8.3	18
18	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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19	Late-time Kilonova Light Curves and Implications to GW170817. <i>Astrophysical Journal</i> , 2019, 878, 93.	4.5	30
20	Census of the Local Universe (CLU) Narrowband Survey. I. Galaxy Catalogs from Preliminary Fields. <i>Astrophysical Journal</i> , 2019, 880, 7.	4.5	43
21	A Possible Advantage of Telescopes with a Noncircular Pupil. <i>Astronomical Journal</i> , 2019, 158, 70.	4.7	8
22	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> , 2019, 881, L7.	8.3	39
23	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
24	The Zwicky Transient Facility: Surveys and Scheduler. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 068003.	3.1	205
25	The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. <i>Astrophysical Journal</i> , 2019, 872, 198.	4.5	74
26	Supernova PTF 12glz: A Possible Shock Breakout Driven through an Aspherical Wind. <i>Astrophysical Journal</i> , 2019, 872, 141.	4.5	20
27	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
28	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> , 2019, 885, L19.	8.3	86
29	The Zwicky Transient Facility: System Overview, Performance, and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018002.	3.1	1,020
30	iPTF Archival Search for Fast Optical Transients. <i>Astrophysical Journal Letters</i> , 2018, 854, L13.	8.3	23
31	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
32	Light Curves of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. <i>Astrophysical Journal</i> , 2018, 860, 100.	4.5	105
33	Optimal and Efficient Streak Detection in Astronomical Images. <i>Astronomical Journal</i> , 2018, 156, 229.	4.7	24
34	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
35	Discovery of the Luminous, Decades-long, Extragalactic Radio Transient FIRST J141918.9+394036. <i>Astrophysical Journal Letters</i> , 2018, 866, L22.	8.3	44
36	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

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37	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
38	Type Ibn Supernovae Show Photometric Homogeneity and Spectral Diversity at Maximum Light. <i>Astrophysical Journal</i> , 2017, 836, 158.	4.5	79
39	Far-ultraviolet to Near-infrared Spectroscopy of a Nearby Hydrogen-poor Superluminous Supernova Gaia16apd. <i>Astrophysical Journal</i> , 2017, 840, 57.	4.5	57
40	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
41	Study of the Plutino Object (208996) 2003 AZ ₈₄ from Stellar Occultations: Size, Shape, and Topographic Features. <i>Astronomical Journal</i> , 2017, 154, 22.	4.7	31
42	Two New Calcium-rich Gap Transients in Group and Cluster Environments. <i>Astrophysical Journal</i> , 2017, 836, 60.	4.5	60
43	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
44	Hydrogen-poor Superluminous Supernovae with Late-time H β Emission: Three Events From the Intermediate Palomar Transient Factory. <i>Astrophysical Journal</i> , 2017, 848, 6.	4.5	91
45	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
46	SPIRITS: Uncovering Unusual Infrared Transients with Spitzer. <i>Astrophysical Journal</i> , 2017, 839, 88.	4.5	75
47	ON THE EARLY-TIME EXCESS EMISSION IN HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE. <i>Astrophysical Journal</i> , 2017, 835, 58.	4.5	61
48	A Spectroscopic Search for White Dwarf Companions to 101 Nearby M Dwarfs*. <i>Astrophysical Journal</i> , 2017, 850, 34.	4.5	12
49	A Search for FRB 121102-like Persistent Radio-luminous Sourcesâ€™ Candidates and Implications for the FRB Rate and Searches. <i>Astrophysical Journal</i> , 2017, 846, 44.	4.5	19
50	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
51	PROPER IMAGE SUBTRACTIONâ€™ OPTIMAL TRANSIENT DETECTION, PHOTOMETRY, AND HYPOTHESIS TESTING. <i>Astrophysical Journal</i> , 2016, 830, 27.	4.5	171
52	A SEARCH FOR STELLAR-MASS BLACK HOLES VIA ASTROMETRIC MICROLENSING. <i>Astrophysical Journal</i> , 2016, 830, 41.	4.5	43
53	THE FIRST CIRCUMBINARY PLANET FOUND BY MICROLENSING: OGLE-2007-BLG-349L(AB)c. <i>Astronomical Journal</i> , 2016, 152, 125.	4.7	94
54	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION. <i>Astrophysical Journal</i> , Supplement Series, 2015, 221, 27.	7.7	153

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55	SEARCH FOR PRECURSOR ERUPTIONS AMONG TYPE IIB SUPERNOVAE. <i>Astrophysical Journal</i> , 2015, 811, 117.	4.5	26
56	DETECTION OF BROAD H β EMISSION LINES IN THE LATE-TIME SPECTRA OF A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2015, 814, 108.	4.5	107
57	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
58	The rising light curves of Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 3895-3910.	4.4	101
59	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
60	INTERACTION-POWERED SUPERNOVAE: RISE-TIME VERSUS PEAK-LUMINOSITY CORRELATION AND THE SHOCK-BREAKOUT VELOCITY. <i>Astrophysical Journal</i> , 2014, 788, 154.	4.5	62
61	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
62	GIANT SPARKS AT COSMOLOGICAL DISTANCES?. <i>Astrophysical Journal</i> , 2014, 797, 70.	4.5	176
63	THE HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA iPTF 13ajg AND ITS HOST GALAXY IN ABSORPTION AND EMISSION. <i>Astrophysical Journal</i> , 2014, 797, 24.	4.5	92
64	PROBING THE INTERGALACTIC MEDIUM WITH FAST RADIO BURSTS. <i>Astrophysical Journal</i> , 2014, 797, 71.	4.5	98
65	DISK-RELATED BURSTS AND FADES IN YOUNG STARS. <i>Astrophysical Journal</i> , 2013, 768, 93.	4.5	42
66	MOA-2010-BLG-328Lb: A SUB-NEPTUNE ORBITING VERY LATE M DWARF?. <i>Astrophysical Journal</i> , 2013, 779, 91.	4.5	45
67	MOA-2011-BLG-293Lb: A TEST OF PURE SURVEY MICROLENSING PLANET DETECTIONS. <i>Astrophysical Journal</i> , 2012, 755, 102.	4.5	175
68	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
69	Geodesics and almost geodesic cycles in random regular graphs. <i>Journal of Graph Theory</i> , 2011, 66, 115-136.	0.9	6
70	OGLE-2005-BLG-071Lb, THE MOST MASSIVE M DWARF PLANETARY COMPANION?. <i>Astrophysical Journal</i> , 2009, 695, 970-987.	4.5	173
71	Routing complexity of faulty networks. <i>Random Structures and Algorithms</i> , 2008, 32, 71-87.	1.1	4
72	A New Population of High-Redshift Short-Duration Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007, 664, 1000-1010.	4.5	145

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73	Title is missing!. Theory of Computing, 2007, 3, 25-43.	0.5	18
74	An Energetic Afterglow from a Distant Stellar Explosion. Astrophysical Journal, 2006, 646, L99-L102.	4.5	58
75	Relativistic ejecta from X-ray flash XRF 060218 and the rate of cosmic explosions. Nature, 2006, 442, 1014-1017.	27.8	422
76	Spectroscopy of GRB 051111 at $z=1.54948$: Kinematics and Elemental Abundances of the GRB Environment and Host Galaxy. Astrophysical Journal, 2006, 646, 358-368.	4.5	32
77	Spectral techniques applied to sparse random graphs. Random Structures and Algorithms, 2005, 27, 251-275.	1.1	106
78	Discovery of GRB 020405 and Its Late Red Bump. Astrophysical Journal, 2003, 589, 838-843.	4.5	75
79	Multicolor Observations of the GRB 000926 Afterglow. Astrophysical Journal, 2001, 549, L7-L10.	4.5	51