

# Thomas Matheson

## 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

2,898  
citations

22  
h-index

48  
g-index

48  
ext. papers

3,134  
ext. citations

5.2  
avg, IF

3.99  
L-index

#	Paper	IF	Citations
46	Optical Rebrightening of Extragalactic Transients from the Zwicky Transient Facility. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 926, L11	7.9	0
45	AT 2020iko: A WZ Sge-type Dwarf Nova Candidate with an Anomalous Precursor Event. <i>Astronomical Journal</i> , <b>2021</b> , 161, 15	4.9	3
44	AT2020caa: A Type Ia Supernova with a Prior Outburst or a Statistical Fluke?. <i>Research Notes of the AAS</i> , <b>2021</b> , 5, 62	0.8	1
43	The ANTARES Astronomical Time-domain Event Broker. <i>Astronomical Journal</i> , <b>2021</b> , 161, 107	4.9	8
42	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> , <b>2021</b> , 255, 29	8	16
41	Are Type Ia Supernovae in Rest-frame H Brighter in More Massive Galaxies?. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 197	4.7	2
40	A Classification Algorithm for Time-domain Novelties in Preparation for LSST Alerts. Application to Variable Stars and Transients Detected with DECam in the Galactic Bulge. <i>Astrophysical Journal</i> , <b>2020</b> , 892, 112	4.7	6
39	Optical Polarimetry of the Tidal Disruption Event AT2019DSG. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 892, L1	7.9	7
38	ZTF18abhjrcf: The First R Coronae Borealis Star from the Zwicky Transient Facility Public Survey. <i>Astronomical Journal</i> , <b>2020</b> , 159, 61	4.9	2
37	The Spatially Resolved Bipolar Nebula of Sakurai's Object. II. Mapping the Planetary Nebula Expansion. <i>Astrophysical Journal</i> , <b>2020</b> , 904, 34	4.7	3
36	Subpercent Photometry: Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 241, 20	8	16
35	Mapping the Interstellar Reddening and Extinction toward Baade's Window Using Minimum Light Colors of ab-type RR Lyrae Stars: Revelations from the De-reddened Color-Magnitude Diagrams. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 30	4.7	13
34	Photometry and Spectroscopy of Faint Candidate Spectrophotometric Standard DA White Dwarfs. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 199	4.7	4
33	ANTARES: A gateway to ZTF and LSST alerts. <i>Proceedings of the International Astronomical Union</i> , <b>2019</b> , 15, 24-27	0.1	
32	Spectra of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. <i>Astrophysical Journal</i> , <b>2018</b> , 855, 2	4.7	67
31	Variability of Red Supergiants in M31 from the Palomar Transient Factory. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 73	4.7	16
30	Machine-learning-based Brokers for Real-time Classification of the LSST Alert Stream. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 236, 9	8	59

29	Discovery of a Very Large (20 kpc) Galaxy at $z = 3.72$ . <i>Astrophysical Journal</i> , <b>2018</b> , 862, 24	4.7	4
28	The First Data Release from SweetSpot: 74 Supernovae in 36 Nights on WIYN+WHIRC. <i>Astronomical Journal</i> , <b>2018</b> , 155, 201	4.9	7
27	Type II Supernova Light Curves and Spectra from the CfA. <i>Astrophysical Journal, Supplement Series</i> , <b>2017</b> , 233, 6	8	21
26	Absolute Magnitudes and Colors of RR Lyrae Stars in DECam Passbands from Photometry of the Globular Cluster M5. <i>Astronomical Journal</i> , <b>2017</b> , 154, 85	4.9	14
25	Pre-nebular Light Curves of SNe I. <i>Astrophysical Journal</i> , <b>2017</b> , 846, 33	4.7	5
24	TYPE II SUPERNOVA ENERGETICS AND COMPARISON OF LIGHT CURVES TO SHOCK-COOLING MODELS. <i>Astrophysical Journal</i> , <b>2016</b> , 820, 33	4.7	62
23	ANTARES: progress towards building a 'broker' of time-domain alerts <b>2016</b> ,		10
22	TOWARD A NETWORK OF FAINT DA WHITE DWARFS AS HIGH-PRECISION SPECTROPHOTOMETRIC STANDARDS. <i>Astrophysical Journal</i> , <b>2016</b> , 822, 67	4.7	14
21	ULTRAVIOLET SPECTROSCOPY OF TYPE IIB SUPERNOVAE: DIVERSITY AND THE IMPACT OF CIRCUMSTELLAR MATERIAL. <i>Astrophysical Journal</i> , <b>2015</b> , 803, 40	4.7	22
20	UNCOVERING THE PUTATIVE B-STAR BINARY COMPANION OF THE SN 1993J PROGENITOR. <i>Astrophysical Journal</i> , <b>2014</b> , 790, 17	4.7	73
19	ANTARES: a prototype transient broker system <b>2014</b> ,		11
18	THE VARIABLE SKY OF DEEP SYNOPTIC SURVEYS. <i>Astrophysical Journal</i> , <b>2014</b> , 796, 53	4.7	20
17	LIGHT ECHOES FROM ICARINAE'S GREAT ERUPTION: SPECTROPHOTOMETRIC EVOLUTION AND THE RAPID FORMATION OF NITROGEN-RICH MOLECULES. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 787, L8	7.9	24
16	SWEETSPOT: NEAR-INFRARED OBSERVATIONS OF 13 TYPE Ia SUPERNOVAE FROM A NEW NOAO SURVEY PROBING THE NEARBY SMOOTH HUBBLE FLOW. <i>Astrophysical Journal</i> , <b>2014</b> , 784, 105	4.7	22
15	TYPE Ia SUPERNOVAE STRONGLY INTERACTING WITH THEIR CIRCUMSTELLAR MEDIUM. <i>Astrophysical Journal, Supplement Series</i> , <b>2013</b> , 207, 3	8	152
14	Berkeley Supernova Ia Program - I. Observations, data reduction and spectroscopic sample of 582 low-redshift Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 425, 1789-1818	4.3	205
13	SN 2011dh: DISCOVERY OF A TYPE IIB SUPERNOVA FROM A COMPACT PROGENITOR IN THE NEARBY GALAXY M51. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 742, L18	7.9	138
12	UBVRILight Curves of 44 Type Ia Supernovae. <i>Astronomical Journal</i> , <b>2006</b> , 131, 527-554	4.9	255

11	Hubble Space Telescope and Ground-based Observations of SN 1993J and SN 1998S: CNO Processing in the Progenitors. <i>Astrophysical Journal</i> , <b>2005</b> , 622, 991-1007	4.7	81
10	Spectroscopy of High-Redshift Supernovae from the ESSENCE Project: The First 2 Years. <i>Astronomical Journal</i> , <b>2005</b> , 129, 2352-2375	4.9	58
9	Direct Analysis of Spectra of Type Ib Supernovae. <i>Astrophysical Journal</i> , <b>2002</b> , 566, 1005-1017	4.7	139
8	A Study of the Type II-Plateau Supernova 1999[CLC]gi/[CLC] and the Distance to its Host Galaxy, NGC 3184. <i>Astronomical Journal</i> , <b>2002</b> , 124, 2490-2505	4.9	140
7	Optical Spectroscopy of Type I[CLC]b/[CLC]/[CLC]c/[CLC] Supernovae. <i>Astronomical Journal</i> , <b>2001</b> , 121, 1648-1675	4.9	164
6	Detailed Analysis of Early to Late-Time Spectra of Supernova 1993J. <i>Astronomical Journal</i> , <b>2000</b> , 120, 1499-1515	4.9	186
5	Evidence for Asphericity in the Type II <sub>n</sub> Supernova SN 1998S. <i>Astrophysical Journal</i> , <b>2000</b> , 536, 239-254	4.7	185
4	The Type I[CLC]c/[CLC] Supernova 1994I in M51: Detection of Helium and Spectral Evolution. <i>Astrophysical Journal</i> , <b>1995</b> , 450,	4.7	123
3	A Hubble Space Telescope ultraviolet spectrum of SN 1993J. <i>Astrophysical Journal</i> , <b>1994</b> , 421, L27	4.7	40
2	The “Type II <sub>b</sub> ” Supernova 1993J in M81: A Close Relative of Type Ib Supernovae. <i>Astrophysical Journal</i> , <b>1993</b> , 415, L103	4.7	149
1	The subluminal, spectroscopically peculiar type IA supernova 1991bg in the elliptical galaxy NGC 4374. <i>Astronomical Journal</i> , <b>1992</b> , 104, 1543	4.9	346