

Thomas Matheson

List of Publications by Year in descending order

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46
papers

3,447
citations

236612

25
h-index

214527

47
g-index

48
all docs

48
docs citations

48
times ranked

2676
citing authors

#	ARTICLE	IF	CITATIONS
1	The subluminous, spectroscopically peculiar type IA supernova 1991bg in the elliptical galaxy NGC 4374. <i>Astronomical Journal</i> , 1992, 104, 1543.	1.9	387
2	UBVRILight Curves of 44 Type Ia Supernovae. <i>Astronomical Journal</i> , 2006, 131, 527-554.	1.9	302
3	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> , 2012, 425, 1789-1818.	1.6	262
4	Evidence for Asphericity in the Type II _n Supernova SN 1998S. <i>Astrophysical Journal</i> , 2000, 536, 239-254.	1.6	210
5	Detailed Analysis of Early to Late-Time Spectra of Supernova 1993J. <i>Astronomical Journal</i> , 2000, 120, 1499-1515.	1.9	203
6	TYPE Ia SUPERNOVAE STRONGLY INTERACTING WITH THEIR CIRCUMSTELLAR MEDIUM. <i>Astrophysical Journal</i> , Supplement Series, 2013, 207, 3.	3.0	180
7	Optical Spectroscopy of Type I[CLC]b[/CLC]/[CLC]c[/CLC] Supernovae. <i>Astronomical Journal</i> , 2001, 121, 1648-1675.	1.9	178
8	The "Type II _b " Supernova 1993J in M81: A Close Relative of Type Ib Supernovae. <i>Astrophysical Journal</i> , 1993, 415, L103.	1.6	161
9	SN 2011dh: DISCOVERY OF A TYPE II _b SUPERNOVA FROM A COMPACT PROGENITOR IN THE NEARBY GALAXY M51. <i>Astrophysical Journal Letters</i> , 2011, 742, L18.	3.0	156
10	Direct Analysis of Spectra of Type Ib Supernovae. <i>Astrophysical Journal</i> , 2002, 566, 1005-1017.	1.6	147
11	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> , 2002, 124, 2490-2505.	1.9	146
12	The Type I[CLC]c[/CLC] Supernova 1994I in M51: Detection of Helium and Spectral Evolution. <i>Astrophysical Journal</i> , 1995, 450, .	1.6	132
13	Spectra of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. <i>Astrophysical Journal</i> , 2018, 855, 2.	1.6	98
14	UNCOVERING THE PUTATIVE B-STAR BINARY COMPANION OF THE SN 1993J PROGENITOR. <i>Astrophysical Journal</i> , 2014, 790, 17.	1.6	88
15	Hubble Space Telescope and Ground-based Observations of SN 1993J and SN 1998S: CNO Processing in the Progenitors. <i>Astrophysical Journal</i> , 2005, 622, 991-1007.	1.6	86
16	Machine-learning-based Brokers for Real-time Classification of the LSST Alert Stream. <i>Astrophysical Journal</i> , Supplement Series, 2018, 236, 9.	3.0	82
17	TYPE II SUPERNOVA ENERGETICS AND COMPARISON OF LIGHT CURVES TO SHOCK-COOLING MODELS. <i>Astrophysical Journal</i> , 2016, 820, 33.	1.6	75
18	Spectroscopy of High-Redshift Supernovae from the ESSENCE Project: The First 2 Years. <i>Astronomical Journal</i> , 2005, 129, 2352-2375.	1.9	58

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19	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.	3.0	56
20	A Hubble Space Telescope ultraviolet spectrum of SN 1993J. <i>Astrophysical Journal</i> , 1994, 421, L27.	1.6	41
21	The ANTARES Astronomical Time-domain Event Broker. <i>Astronomical Journal</i> , 2021, 161, 107.	1.9	31
22	Type II Supernova Light Curves and Spectra from the CfA. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 6.	3.0	29
23	ULTRAVIOLET SPECTROSCOPY OF TYPE IIB SUPERNOVAE: DIVERSITY AND THE IMPACT OF CIRCUMSTELLAR MATERIAL. <i>Astrophysical Journal</i> , 2015, 803, 40.	1.6	28
24	Variability of Red Supergiants in M31 from the Palomar Transient Factory. <i>Astrophysical Journal</i> , 2018, 859, 73.	1.6	28
25	LIGHT ECHOES FROM Î CARINAE'S GREAT ERUPTION: SPECTROPHOTOMETRIC EVOLUTION AND THE RAPID FORMATION OF NITROGEN-RICH MOLECULES. <i>Astrophysical Journal Letters</i> , 2014, 787, L8.	3.0	27
26	SWEETSPOT: NEAR-INFRARED OBSERVATIONS OF 13 TYPE Ia SUPERNOVAE FROM A NEW NOAO SURVEY PROBING THE NEARBY SMOOTH HUBBLE FLOW. <i>Astrophysical Journal</i> , 2014, 784, 105.	1.6	27
27	Subpercent Photometry: Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 20.	3.0	26
28	THE VARIABLE SKY OF DEEP SYNOPTIC SURVEYS. <i>Astrophysical Journal</i> , 2014, 796, 53.	1.6	24
29	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> , 2019, 874, 30.	1.6	21
30	TOWARD A NETWORK OF FAINT DA WHITE DWARFS AS HIGH-PRECISION SPECTROPHOTOMETRIC STANDARDS. <i>Astrophysical Journal</i> , 2016, 822, 67.	1.6	17
31	Optical Polarimetry of the Tidal Disruption Event AT2019DSC. <i>Astrophysical Journal Letters</i> , 2020, 892, L1.	3.0	16
32	Are Type Ia Supernovae in Rest-frame H Brighter in More Massive Galaxies?. <i>Astrophysical Journal</i> , 2021, 923, 197.	1.6	16
33	Absolute Magnitudes and Colors of RR Lyrae Stars in DECam Passbands from Photometry of the Globular Cluster M5. <i>Astronomical Journal</i> , 2017, 154, 85.	1.9	15
34	ANTARES: a prototype transient broker system. <i>Proceedings of SPIE</i> , 2014, , .	0.8	14
35	The First Data Release from SweetSpot: 74 Supernovae in 36 Nights on WIYN+WHIRC. <i>Astronomical Journal</i> , 2018, 155, 201.	1.9	11
36	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> , 2020, 892, 112.	1.6	10

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37	ANTARES: progress towards building a 'broker' of time-domain alerts. Proceedings of SPIE, 2016, , .	0.8	10
38	Photometry and Spectroscopy of Faint Candidate Spectrophotometric Standard DA White Dwarfs. Astrophysical Journal, 2019, 872, 199.	1.6	8
39	The Spatially Resolved Bipolar Nebula of Sakurai's Object. II. Mapping the Planetary Nebula Expansion. Astrophysical Journal, 2020, 904, 34.	1.6	8
40	Pre-nebular Light Curves of SNe I. Astrophysical Journal, 2017, 846, 33.	1.6	6
41	Discovery of a Very Large (~ 20 kpc) Galaxy at $z=3.72^*$. Astrophysical Journal, 2018, 862, 24.	1.6	4
42	AT 2020iko: A WZ Sge-type Dwarf Nova Candidate with an Anomalous Precursor Event. Astronomical Journal, 2021, 161, 15.	1.9	4
43	AT2020caa: A Type Ia Supernova with a Prior Outburst or a Statistical Fluke?. Research Notes of the AAS, 2021, 5, 62.	0.3	3
44	ZTF18abhjrcf: The First R Coronae Borealis Star from the Zwicky Transient Facility Public Survey. Astronomical Journal, 2020, 159, 61.	1.9	2
45	Optical Rebrightening of Extragalactic Transients from the Zwicky Transient Facility. Astrophysical Journal Letters, 2022, 926, L11.	3.0	2
46	ANTARES: A gateway to ZTF and LSST alerts. Proceedings of the International Astronomical Union, 2019, 15, 24-27.	0.0	0