

CURRICULUM VITAE

Thomas Matheson

Address:

NSF National Optical-Infrared Astronomy Research Laboratory
Community Science and Data Center
950 North Cherry Avenue
Tucson, AZ 85719, USA
Telephone: (520) 318-8517
Fax: (520) 318-8360
e-mail: tom.matheson@noirlab.edu
WWW: <https://staff.noirlab.edu/tom.matheson/>

Education:

UNIVERSITY OF CALIFORNIA, BERKELEY, Berkeley, CA
DEPARTMENT OF ASTRONOMY
Ph.D. received June 2000
M.A. received June 1992
PhD Thesis Topic: The Spectral Characteristics of Stripped-Envelope Supernovae
Thesis Advisor: Professor Alexei V. Filippenko

HARVARD UNIVERSITY, Cambridge, MA
DEPARTMENT OF ASTRONOMY & ASTROPHYSICS AND PHYSICS
A.B. *magna cum laude*, received June 1989
Senior Thesis Topic: Transients in the Solar Transition Region
Thesis Advisor: Professor Robert W. Noyes

Employment:

U.S. NSF NATIONAL OPTICAL-IR INFRARED ASTRONOMY RESEARCH LABORATORY
(THE FORMER NATIONAL OPTICAL ASTRONOMY OBSERVATORY)
COMMUNITY SCIENCE AND DATA CENTER

<u>Head of Time-Domain Services</u>	2017 – present
<u>Astronomer</u>	2018 – present
<u>Associate Astronomer</u>	2009 – 2018 (Tenure, 2011)
<u>Assistant Astronomer</u>	2004 – 2009

HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS
OPTICAL AND INFRARED DIVISION

<u>Post-doctoral fellow</u>	2000 – 2004
-----------------------------	-------------

UNIVERSITY OF CALIFORNIA, BERKELEY
DEPARTMENT OF ASTRONOMY

<u>Research Assistant</u>	1991 – 2000
---------------------------	-------------

HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS
SOLAR AND STELLAR PHYSICS DIVISION

<u>Research Assistant</u>	1989 – 1990
---------------------------	-------------

Teaching:

HARVARD UNIVERSITY, DEPARTMENT OF ASTRONOMY <u>Teaching Assistant</u>	2001, 2003
UNIVERSITY OF CALIFORNIA, BERKELEY, DEPARTMENT OF ASTRONOMY <u>Instructor, Stellar Structure and Evolution</u>	1992
UNIVERSITY OF CALIFORNIA, BERKELEY, DEPARTMENT OF ASTRONOMY <u>Teaching Assistant</u>	1990 – 1991
HARVARD UNIVERSITY, DEPARTMENT OF ASTRONOMY <u>Teaching Assistant</u>	1989
HARVARD UNIVERSITY, DEPARTMENT OF MATHEMATICS <u>Teaching Assistant</u>	1987 – 1989

Awards:

AURA Team Science Award (ANTARES)	2019
Breakthrough Prize in Fundamental Physics (as part of the Supernova Cosmology Project)	2015
AURA Science Award	2012
Gruber Prize for Cosmology (as part of the Supernova Cosmology Project)	2007
Certificate for Distinction in Teaching, Harvard University	2001, 2003
Outstanding Graduate Student Instructor Award, U.C. Berkeley	1994
National Science Foundation Fellowship	1990 – 1993
Harvard College Scholarship, Harvard University	1985 – 1989

Ground-Based Observing:

GEMINI 8-M, optical/near-IR spectroscopy & imaging
 KECK 10-M, optical spectroscopy
 LICK 3-M, optical spectroscopy
 LICK 1-M, optical imaging
 MMT 6.5-M, optical spectroscopy & imaging
 MAGELLAN 6.5-M, optical spectroscopy & imaging
 FLWO 1.2-M, optical/IR imaging
 WIYN 3.5-M, optical/IR imaging
 KPNO 4-M, optical spectroscopy & imaging
 KPNO 2.1-M, optical imaging

Miscellaneous:

Have 181 papers in refereed journals (13 as the first author, 29 as the second/third author).

Papers cited over 40,000 times to date.

Work described in general audience articles in: *BBC.com*, *Nature*, *New Scientist*, *The New York Times*, *Science*, *Sky & Telescope*, *The Economist*, *The Washington Post*, *Physics World*, *The Arizona Daily Star*, and others.

Frequent referee for: AJ, A&A, ApJ, ApJL, MNRAS, Nature, PASJ, PASP, and Science.

Refereed Publications:

181. Bohlin, R., Deustua, S., Narayan, G., Calamida, A., Gordon, K. D., Holberg, J. B., Hubeny, I., **Matheson, T.**, & Rest, A. 2024, *AJ*, 169, 40. “Faint White Dwarf Flux Standards: Data and Models.”
180. Aleo, P. D., et al. (incl. **Matheson, T.**) 2024, *ApJ*, 974, 172. “Anomaly Detection and Approximate Similarity Searches of Transients in Real-time Data Streams.”
179. Fu, S., **Matheson, T.**, Meisner, A., Zhang, Y., Vicencio, S., & Saul, D. 2024, *AJ*, 168, 186. “DECam Multimessenger Astrophysics Pipeline. I. From Raw Data to Single-Exposure Candidates.”
178. Partoush, R., Rest, A., Jencson, J. E., Poznanski, D., Foley, R. J., Kilpatrick, C. D., Andrews, J. E., Angulo, R., Badenes, C., Bianco, F. B., Filippenko, A. V., Ridden-Harper, R., Li, X., Margheim, S., **Matheson, T.**, Olsen, K. A. G., Siebert, M. R., Smith, N., Welch, D. L., & Zenteno, A. 2024, *ApJ*, 970, 119. “SpectAcLE: An Improved Method for Modeling Light Echo Spectra.”
177. Van Dyk, S. D., Srinivasan, S., Andrews, J. E., Soraisam, M., Szalai, T., Howell, S. B., Isaacson, H., **Matheson, T.**, Petigura, E., Scicluna, P., Stephens, A. W., Van Zandt, J., Zheng, W., Chun, S-H., & Filippenko, A. V. 2024, *ApJ*, 968, 27. “The SN 2023ixf Progenitor in M101. II. Properties.”
176. Vasylyev, S. S., Vogl, C., Yang, Y., Filippenko, A. V., Brink, T. G., Brown, P. J., **Matheson, T.**, Modjaz, M., Gal-Yam, A., Mazzali, P. A., de Jaeger, T., Patra, K. C., & Stewart, G. E. 2023, *ApJL*, 959, 26L. “Early-Time Ultraviolet and Optical Hubble Space Telescope Spectroscopy of the Type II Supernova 2022wsp.”
175. Soraisam, M. D., Szalai, T., Van Dyk, S. D., Andrews, J. E., Srinivasan, S., Chun, S-H., **Matheson, T.**, Scicluna, P., & Vasquez-Torres, D. A. 2023, *ApJ*, 957, 64. “The SN 2023ixf Progenitor in M101. I. Infrared Variability.”
174. Axelrod, T., et al. (incl. **Matheson, T.**) 2023, *ApJ*, 951, 78. “All-sky Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories: The Complete Sample.”
173. Graham, M. L., et al. (incl. **Matheson, T.**) 2023, *MNRAS*, 519, 3881. “Deep Drilling in the Time Domain with DECam: Survey Characterization.”
172. Calamida, A., **Matheson, T.**, Olszewski, E. W., Saha, A., Axelrod, T., Shanahan, C., Holberg, J., Points, S., Narayan, G., Malanchev, K., Ridden-Harper, R., Gentile-Fusillo, N., Raddi, R., Bohlin, R., Rest, A., Hubeny, I., Deustua, S., Mackenty, J., Sabbi, E., Stubbs, C. W. 2022, *ApJ*, 940, 19. “Perfecting Our Set of Spectrophotometric Standard DA White Dwarfs.”
171. Vasylyev, S. S., et al. (incl. **Matheson, T.**) 2022, *ApJ*, 934, 134. “Early-time Ultraviolet Spectroscopy and Optical Follow-up Observations of the Type IIP Supernova 2021yja.”
170. Soraisam, M., **Matheson, T.**, Lee, C.-H., Saha, A., Narayan, G., Wolf, N., Scott, A., Figueroa, S., Nunez, R., McKinnon, K., Guhathakurta, P., Brink, T. G., Filippenko, A. V., & Smith, N. 2022, *ApJL*, 926, L11. “Optical Rebrightening of Extragalactic Transients from the Zwicky Transient Facility.”

169. Ponder, K., Wood-Vasey, W. M., Weyant, A., Barton, N. T., Galbany, L., Liu, S., Garnavich, P., & **Matheson, T.** 2021, ApJ, 923, 197. “Are Type Ia Supernovae in Rest-frame H Brighter in More Massive Galaxies?”
168. Schulze, S., et al. (incl. **Matheson, T.**) 2021, ApJS, 255, 29. “The Palomar Transient Factory Core-collapse Supernova Host-galaxy Sample. I. Host-galaxy Distribution Functions and Environment Dependence of Core-collapse Supernovae.”
167. Sahneh, F., et al. (incl. **Matheson, T.**) 2021, PLoS Comput Biol., 17(5): e1008879. “Ten Simple Rules to Cultivate Transdisciplinary Collaboration in Data Science.”
166. **Matheson, T.**, et al. 2021, AJ, 161, 107. “The ANTARES Astronomical Time-domain Event Broker.”
165. Soraisam, M. D., et al. (incl. **Matheson, T.**) 2021, AJ, 161, 15. “AT 2020iko: A WZ Sge-type Dwarf Nova Candidate with an Anomalous Precursor Event.”
164. Hinkle, K. H., Joyce, R. R., **Matheson, T.**, Lacy, J. H., & Richter, M. J. 2020, ApJ, 904, 34. “The Spatially Resolved Bipolar Nebula of Sakurai’s Object. II. Mapping the Planetary Nebula Expansion.”
163. Herner, K., et al. (incl. **Matheson, T.**) 2020, Astronomy and Computing, 33, 100425. “Optical Follow-Up of Gravitational Wave Triggers with DECam During the First Two LIGO/VIRGO Observing Runs.”
162. Pian, E., et al. (incl. **Matheson, T.**) 2020, MNRAS, 497, 3542. “PTF11rka: An Interacting Supernova at the Crossroads of Stripped-Envelope and H-poor Super-Luminous Stellar Core Collapses.”
161. Soraisam, M., Saha, A., **Matheson, T.**, Lee, C.-H., Narayan, G., Vivas, A. K., Scheidegger, C., Oppermann, N., Olszewski, E. W., Sinha, S., & DeSantis, S. R. 2020, ApJ, 892, 112. “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.”
160. Lee, C.-H., Hung, T., **Matheson, T.**, Soraisam, M., Narayan, G., Saha, A., Stubens, C., & Wolf, N. 2020, ApJL, 892, 1. “Optical Polarimetry of the Tidal Disruption Event AT2019DSG.”
159. Lee, C.-H., **Matheson, T.**, Soraisam, M., Narayan, G., Saha, A., Stubens, C., & Wolf, N. 2020, AJ, 159, 61. “ZTF18abhjrf: The First R Coronae Borealis Star from the Zwicky Transient Facility Public Survey.”
158. Sand, D. J., et al. (incl. **Matheson, T.**) 2019, ApJL, 877, 4. “Nebular $H\alpha$ Limits for Fast Declining SNe Ia.”
157. Narayan, G., **Matheson, T.**, Saha, A., Axelrod, T., Calamida, A., Olszewski, E., Claver, J., Mandel, K. S., Bohlin, R. C., Holberg, J. B., Deustua, S., Rest, A., Stubbs, C. W., Shanahan, C. E., Vaz, A. L., Zenteno, A., Strampelli, G., Hubeny, I., Points, S., Sabbi, E., & Mackenty, J. 2019, ApJS, 241, 20. “Subpercent Photometry: Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories.”

156. Saha, A., et al. (incl. **Matheson, T.**) 2019, ApJ, 874, 30. “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.”
155. Doctor, Z., et al. (incl. **Matheson, T.**) 2019, ApJ, 873, 24. “A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera.”
154. Calamida, A., **Matheson, T.**, Saha, A., Olszewski, E., Narayan, G., Claver, J., Shanahan, C., Holberg, J., Axelrod, T., Bohlin, R., Stubbs, C. W., Deustua, S., Hubeny, I., Mackenty, J., Points, S., Rest, A., & Sabbi, E. 2019, ApJ, 872, 199. “Photometry and Spectroscopy of Faint Candidate Spectrophotometric Standard DA White Dwarfs.”
153. Perrefort, D., Wood-Vasey, W. M., Azalee Bostroem, K., Gilmore, K., Joyce, R., **Matheson, T.**, & Corson, C. 2019, PASP, 131, 025002. “pwv_kpno: A Python Package for Modeling the Atmospheric Transmission Function Due to Precipitable Water Vapor.”
152. Shivvers, I., et al. (incl. **Matheson, T.**) 2018, MNRAS, 482, 1545. “The Berkeley Sample of Stripped-Envelope Supernovae.”
151. Smith, N. Andrews, J. E., Rest, A., Bianco, F. B., Prieto, J. L., **Matheson, T.**, James, D. J., Smith, R. C., Strampelli, G. M., Zenteno, A. 2018, MNRAS, 480, 1466. “Light Echoes from the Plateau in Eta Carinae’s Great Eruption Reveal a Two-Stage Shock-Powered Event.”
150. Smith, N. Rest, A., Andrews, J. E., **Matheson, T.**, Bianco, F. B., Prieto, J. L., James, D. J., Smith, R. C., Strampelli, G. M., Zenteno, A. 2018, MNRAS, 480, 1457. “Exceptionally Fast Ejecta Seen in Light Echoes of Eta Carinae’s Great Eruption.”
149. Fremling, C., et al. (incl. **Matheson, T.**) 2018, A&A, 618, 37. “Oxygen and Helium in Stripped-Envelope Supernovae.”
148. Lee, K-S., Dey, A., **Matheson, T.**, Shi, K., Hung, C-L., Xue, R., Inami, H., Huang, Y., Lee, K.-G., Ashby, M. L. N., Jannuzi, B., Reddy, N., Hong, S., Mo, W., Malavasi, N. 2018, ApJL, 862, 24. “Discovery of a Very Large (≈ 20 kpc) Galaxy at $z = 3.72$.”
147. Narayan, G., et al. (incl. **Matheson, T.**) 2018, ApJS, 236, 9. “Machine-Learning-Based Brokers for Real-Time Classification of the LSST Alert Stream.”
146. Soraisam, M. D., et al. (incl. **Matheson, T.**) 2018, ApJ, 859, 73. “Variability of Red Supergiants in M31 from the Palomar Transient Factory.”
145. Weyant, A., Wood-Vasey, W. M., Joyce, R., Allen, L., Garnavich, P., Jha, S. W., Kroboth, J. R., **Matheson, T.**, & Ponder, K. A. 2018, AJ, 155, 5. “The First Data Release from SweetSpot: 74 Supernovae in 36 Nights on WIYN+WHIRC.”
144. Kelly, P. L., et al. (incl. **Matheson, T.**) 2018, Nature Astronomy, 2, 334. “Extreme Magnification of an Individual Star at Redshift 1.5 by a Galaxy-Cluster Lens.”
143. Quimby, R. M., et al. (incl. **Matheson, T.**) 2018, ApJ, 855, 2. “Spectra of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory.” [Erratum: 2023, ApJ, 957, 116]
142. Abbott, B. P., et al. (incl. **Matheson, T.**) 2017, Nature, 551, 85. “A Gravitational-Wave Standard Siren Measurement of the Hubble Constant.”

141. Shivvers, I., et al. (incl. **Matheson, T.**) 2017, MNRAS, 471, 4381. “The Nearby Type Ibn Supernova 2015G: Signatures of Asymmetry and Progenitor Constraints.”
140. Hicken, M., Friedman, A. S., Blondin, S., Challis, P., Berlind, P., Calkins, M., Esquerdo, G., **Matheson, T.**, Modjaz, M., Rest, A., & Kirshner, R. P. 2017, ApJS, 233, 6. “Type II Supernova Light Curves and Spectra from the CfA.”
139. Chornock, R., et al. (incl. **Matheson, T.**) 2017, ApJL, 848, L19. “The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. IV. Detection of Near-infrared Signatures of r -process Nucleosynthesis with Gemini-South.”
138. Cowperthwaite, P. S., et al. (incl. **Matheson, T.**) 2017, ApJL, 848, L17. “The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models.”
137. Soares-Santos, M., et al. (incl. **Matheson, T.**) 2017, ApJL, 848, L16. “The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera.”
136. Abbott, B. P., et al. (incl. **Matheson, T.**) 2017, ApJL, 848, L12. “Multi-messenger Observations of a Binary Neutron Star Merger.”
135. Arnett, W. D., Fryer, C., & **Matheson, T.** 2017, ApJ, 846, 1. “Pre-Nebular Light Curves of SNe I.”
134. Vivas, K. A., et al. (incl. **Matheson, T.**) 2017, AJ, 154, 85. “Absolute Magnitudes and Colors of RR Lyrae Stars in DECam Passbands from Photometry of the Globular Cluster M5.”
133. Shivvers, I., et al. (incl. **Matheson, T.**) 2017, PASP, 129, 054201. “Revisiting the Lick Observatory Supernova Search Volume-limited Sample: Updated Classifications and Revised Stripped-envelope Supernova Fractions.”
132. Silverman, J. M., et al. (incl. **Matheson, T.**) 2017, MNRAS, 467, 369. “After the Fall: Late-Time Spectroscopy of Type IIP Supernovae.”
131. Cowperthwaite, P. S., et al. (incl. **Matheson, T.**) 2016, ApJL, 826, L29. “A DECam Search for an Optical Counterpart to the LIGO Gravitational-Wave Event GW151226.”
130. Abbott, B. P., et al. (incl. **Matheson, T.**) 2016, ApJS, 225, 8. “Supplement: ‘Localization and Broadband Follow-Up of the Gravitational-wave Transient GW150914’ (2016, ApJL, 826, L13).”
129. Abbott, B. P., et al. (incl. **Matheson, T.**) 2016, ApJL, 826, L13. “Localization and Broadband Follow-Up of the Gravitational-wave Transient GW150914.”
128. Soares-Santos, M., et al. (incl. **Matheson, T.**) 2016, ApJL, 823, L33. “A Dark Energy Camera Search for an Optical Counterpart to the First Advanced LIGO Gravitational Wave Event GW150914.”
127. Narayan, G., et al. (incl. **Matheson, T.**) 2016, ApJS, 224, 3. “Light Curves of 213 Type Ia Supernovae from the Essence Survey.”

126. Narayan, G., Axelrod, T., Holberg, J. B., **Matheson, T.**, Saha, A., Olszewski, E., Claver, J., Stubbs, C. W. Bohlin, R. C., Deustua, S., & Rest, A. 2016, ApJ, 822, 67. “Toward a Network of Faint DA White Dwarfs as High-Precision Spectrophotometric Standards.”
125. Rubin, A., et al. (incl. **Matheson, T.**) 2016, ApJ, 820, 33. “Type II Supernova Energetics and Comparison of Light Curves to Shock-Cooling Models.”
124. Khazov, D., et al. (incl. **Matheson, T.**) 2016, ApJ, 818, 3. “Flash Spectroscopy: Emission Lines from the Ionized Circumstellar Material around <10-Day-Old Type II Supernovae.”
123. Ben-Ami, S., et al. (incl. **Matheson, T.**) 2015, ApJ, 803, 40. “Ultraviolet Spectroscopy of Type IIb Supernovae: Diversity and the Impact of Circumstellar Material.”
122. White, C. J., et al. (incl. **Matheson, T.**) 2015, ApJ, 799, 52. “Slow-Speed Supernovae from the Palomar Transient Factory: Two Channels.”
121. Ridgway, S. T., **Matheson, T.**, Mighell, K. J., Olsen, K. A., & Howell, S. B. 2014, ApJ, 796, 53. “The Variable Sky of Deep Synoptic Surveys.”
120. Fox, O. D., et al. (incl. **Matheson, T.**) 2014, ApJ, 790, 17. “Uncovering the Putative B-star Binary Companion of the SN 1993J Progenitor.”
119. Rodney, S. A., et al. (incl. **Matheson, T.**) 2014, AJ, 148, 13. “Type Ia Supernova Rate Measurements to Redshift 2.5 from CANDELS: Searching for Prompt Explosions in the Early Universe.”
118. Prieto, B. L. et al. (incl. **Matheson, T.**) 2014, ApJL, 787, 8. “Light Echoes from η Carinae’s Great Eruption: Spectrophotometric Evolution and the Rapid Formation of Nitrogen-rich Molecules.”
117. Patel, B., et al. (incl. **Matheson, T.**) 2014, ApJ, 786, 9. “Three Gravitationally Lensed Supernovae behind CLASH Galaxy Clusters.”
116. Modjaz, M., et al. (incl. **Matheson, T.**) 2014, AJ, 147, 99. “Optical Spectra of 73 Stripped-Envelope Core-Collapse Supernovae.”
115. Weyant, A., et al. (incl. **Matheson, T.**) 2014, ApJ, 784, 105. “SweetSpot: Near-infrared Observations of 13 Type Ia Supernovae from a New NOAO Survey Probing the Nearby Smooth Hubble Flow.”
114. Graur, O., et al. (incl. **Matheson, T.**) 2014, ApJ, 783, 28. “Type-Ia Supernova Rates to Redshift 2.4 from CLASH: The Cluster Lensing And Supernova Survey with *Hubble*.”
113. Silverman, J. M., et al. (incl. **Matheson, T.**) 2013, ApJS, 207, 3. “Type Ia Supernovae Strongly Interacting with Their Circumstellar Medium.”
112. Mauerhan, J. C., et al. (incl. **Matheson, T.**) 2013, MNRAS, 431, 2599. “SN 2011ht: Confirming a Class of Interacting Supernovae with Plateau Light Curves (Type II_n-P).”
111. Ben-Ami, S., et al. (incl. **Matheson, T.**) 2012, ApJ, 760, 33. “Discovery and Early Multi-wavelength Measurements of the Energetic Type Ic Supernova PTF12gzk: A Massive-star Explosion in a Dwarf Host Galaxy.”

110. Silverman, J. M., et al. (incl. **Matheson, T.**) 2012, MNRAS, 425, 1789. “Berkeley Supernova Ia Program - I. Observations, Data Reduction and Spectroscopic Sample of 582 Low-Redshift Type Ia Supernovae.”
109. **Matheson, T.**, et al. 2012, ApJ, 754, 19. “The Infrared Light Curve of SN 2011fe in M101 and the Distance to M101.”
108. Ganeshalingam, M., Li, W., Filippenko, A. V., Silverman, J. M., Chornock, R., Foley, R. J., **Matheson, T.**, Kirshner, R. P., Milne, P., Calkins, M., & Shen, K. J. 2012, ApJ, 751, 142. “The Low-Velocity, Rapidly Fading Type Ia Supernova 2002es.”
107. Blondin, S., **Matheson, T.**, Kirshner, R. P., Mandel, K. S., Berlind, P., Calkins, M., Challis, P., Garnavich, P. M., Jha, S. W., Modjaz, M., Riess, A. G., & Schmidt, B. P. 2012, AJ, 143, 126. “The Spectroscopic Diversity of Type Ia Supernovae.”
106. Wang, X., et al. (incl. **Matheson, T.**) 2012, ApJ, 749, 126. “Evidence for Type Ia Supernova Diversity from Ultraviolet Observations with the *Hubble Space Telescope*.”
105. Van Dyk, S. D., & **Matheson, T.** 2012, ApJ, 746, 179. “It’s Alive! The Supernova Impostor 1961V.”
104. Smith, N., et al. (incl. **Matheson, T.**) 2012, AJ, 143, 17. “Systematic Blueshift of Line Profiles in the Type IIn Supernova 2010jl: Evidence for Post-shock Dust Formation?”
103. Arcavi, I., et al. (incl. **Matheson, T.**) 2011, ApJL, 742, 18. “SN 2011dh: Discovery of a Type IIB Supernova from a Compact Progenitor in the Nearby Galaxy M51.”
102. Krisciunas, K., et al. (incl. **Matheson, T.**) 2011, AJ, 142, 74. “The Most Slowly Declining Type Ia Supernova 2001ay.”
101. Kleiser, I. K. W., et al. (incl. **Matheson, T.**) 2011, MNRAS, 415, 372. “Peculiar Type II Supernovae from Blue Supergiants.”
100. Shafter, A. W., Darnley, M. J., Hornoch, K., Filippenko, A. V., Bode, M. F., Ciardullo, R., Misselt, K. A., Hounsell, R. A., Chornock, R., & **Matheson, T.** 2011, ApJ, 734, 12. “A Spectroscopic and Photometric Survey of Novae in M31.”
99. Smith, N., et al. (incl. **Matheson, T.**) 2011, ApJ, 732, 63. “A Massive Progenitor of the Luminous Type IIn Supernova 2010jl.”
98. Rest, A., et al. (incl. **Matheson, T.**) 2011, ApJ, 732, 3. “Direct Confirmation of the Asymmetry of the Cas A Supernova with Light Echoes.”
97. Rest, A., et al. (incl. **Matheson, T.**) 2011, ApJ, 729, 88. “Pushing the Boundaries of Conventional Core-collapse Supernovae: The Extremely Energetic Supernova SN 2003ma.”
96. Olivares E., F., et al. (incl. **Matheson, T.**) 2010, ApJ, 715, 853. “The Standardized Candle Method for Type II Plateau Supernovae.”
95. Maurer, J. I., et al. (incl. **Matheson, T.**) 2010, MNRAS, 402, 172. “Characteristic Velocities of Stripped-Envelope Core-Collapse Supernova Cores.”
94. Hicken, M., et al. (incl. **Matheson, T.**) 2009, ApJ, 700, 357. “CfA3: 185 Type Ia Supernova Light Curves from the CfA.”

93. Jones, M. I., et al. (incl. **Matheson, T.**) 2009, ApJ, 696, 1194. “Distance Determination to 12 Type II Supernovae Using the Expanding Photosphere Method.”
92. Foley, R. J., **Matheson, T.**, et al. 2009, AJ, 137, 3731. “Spectroscopy of High-Redshift Supernovae from the Essence Project: The First Four Years.”
91. Dessart, L., Hillier, D. J., Gezari, S., Basa, S., & **Matheson, T.** 2009, MNRAS, 394, 21. “SN 1994W: An Interacting Supernova or Two Interacting Shells?”
90. Blondin, S., Prieto, J. L., Patat, F., Challis, P., Hicken, M., Kirshner, R. P., **Matheson, T.**, & Modjaz, M. 2009, ApJ, 693, 207. “A Second Case of Variable Na I D Lines in a Highly Reddened Type Ia Supernova.” [Erratum: 2017, ApJ, 844, 88.]
89. Sauer, D. N., Mazzali, P. A., Blondin, S., Stehle, M., Benetti, S., Challis, P., Filippenko, A. V., Kirshner, R. P., Li, W., & **Matheson, T.** 2008, MNRAS, 391, 1605. “Properties of the Ultraviolet Flux of Type Ia Supernovae: An Analysis with Synthetic Spectra of SN 2001ep and SN 2001eh.”
88. Hoffman, J. L., Leonard, D. C., Chornock, R., Filippenko, A. V., Barth, A. J., & **Matheson, T.** 2008, ApJ, 688, 1186. “The Dual-Axis Circumstellar Environment of the Type II_n Supernova 1997eg.”
87. Modjaz, M., Kirshner, R. P., Blondin, S., Challis, P., & **Matheson, T.** 2008, ApJL, 687, 9. “Double-Peaked Oxygen Lines Are Not Rare in Nebular Spectra of Core-Collapse Supernovae.”
86. Gal-Yam, A., et al. (incl. **Matheson, T.**) 2008, ApJL, 685, 117. “*GALEX* Spectroscopy of SN 2005ay Suggests Ultraviolet Spectral Uniformity among Type II-P Supernovae.”
85. Foley, R. J., et al. (incl. **Matheson, T.**) 2008, ApJ, 684, 68. “Constraining Cosmic Evolution of Type Ia Supernovae.”
84. Blondin, S., et al. (incl. **Matheson, T.**) 2008, ApJ, 682, 724. “Time Dilation in Type Ia Supernova Spectra at High Redshift.”
83. Becker, A. C., et al. (incl. **Matheson, T.**) 2008, ApJL, 682, 53. “Exploring the Outer Solar System with the ESSENCE Supernova Survey.”
82. Rest, A., et al. (incl. **Matheson, T.**) 2008, ApJL, 681, 81. “Scattered-Light Echoes from the Historical Galactic Supernovae Cassiopeia A and Tycho (SN 1572).”
81. Heng, K., Lazzati, D., Perna, R., Garnavich, P., Noriega-Crespo, A., Bersier, D., **Matheson, T.**, & Pahre, M. 2008, ApJ, 681, 1116. “A Direct Measurement of the Dust Extinction Curve in an Intermediate-Redshift Galaxy”
80. Rest, A., **Matheson, T.**, et al. 2008, ApJ, 680, 1137. “Spectral Identification of an Ancient Supernova Using Light Echoes in the Large Magellanic Cloud.”
79. **Matheson, T.**, et al. 2008, AJ, 135, 1598. “Optical Spectroscopy of Type Ia Supernovae.”
78. Maeda, K., et al. (incl. **Matheson, T.**) 2008, Science, 319, 1220. “Asphericity in Supernova Explosions from Late-Time Spectroscopy.”

77. Valenti, S., et al. (incl. **Matheson, T.**) 2008, MNRAS, 383, 1485. “The Broad-Lined Type Ic Supernova 2003jd.”
76. Davis, T. M., et al. (incl. **Matheson, T.**) 2007, ApJ, 666, 716. “Scrutinizing Exotic Cosmological Models Using ESSENCE Supernova Data Combined with Other Cosmological Probes.”
75. Wood-Vasey, W. M., et al. (incl. **Matheson, T.**) 2007, ApJ, 666, 694. “Observational Constraints on the Nature of Dark Energy: First Cosmological Results from the ESSENCE Supernova Survey.”
74. Miknaitis, G., et al. (incl. **Matheson, T.**) 2007, ApJ, 666, 674. “The ESSENCE Supernova Survey: Survey Optimization, Observations, and Supernova Photometry.”
73. Hao, H., et al. (incl. **Matheson, T.**) 2007, ApJ, 659, 99L. “Strongly Variable $z=1.48$ Fe II and Mg II Absorption in the Spectra of $z=4.05$ GRB 060206.”
72. Stanek, K. Z., et al. (incl. **Matheson, T.**) 2007, ApJ, 654, 21L. “‘Anomalous’ Optical Gamma-Ray Burst Afterglows Are Common: Two $z \sim 4$ Bursts, GRB 060206 and GRB 060210.”
71. Bonanos, A., et al. (incl. **Matheson, T.**) 2006, ApJ, 652, 313. “The First DIRECT Distance Determination to a Detached Eclipsing Binary in M33.”
70. Clocchiatti, A., et al. (incl. **Matheson, T.**) 2006, ApJ, 642, 1. “*Hubble Space Telescope* and Ground-based Observations of Type Ia Supernovae at Redshift 0.5: Cosmological Implications.”
69. Blondin, S., et al. (incl. **Matheson, T.**) 2006, AJ, 131, 1648. “Using Line Profiles to Test the Fraternity of Type Ia Supernovae at High and Low Redshifts.”
68. Jha, S., et al. (incl. **Matheson, T.**) 2006, AJ, 131, 527. “*UBVRI* Light Curves of 44 Type Ia Supernovae.”
67. Krisciunas, K., et al. (incl. **Matheson, T.**) 2005, AJ, 130, 2453. “*Hubble Space Telescope* Observations of Nine High-Redshift ESSENCE Supernovae.”
66. Mazzali, P., et al. (incl. **Matheson, T.**) 2005, Science, 308, 1284. “An Asymmetric Energetic Type Ic Supernova Viewed Off-Axis, and a Link to Gamma Ray Bursts.”
65. **Matheson, T.**, et al. 2005, AJ, 129, 2352. “Spectroscopy of High-Redshift Supernovae from the ESSENCE Project: The First Two Years.”
64. Fransson, C., et al. (incl. **Matheson, T.**) 2005, ApJ, 622, 991. “*Hubble Space Telescope* and Ground-based Observations of SN 1993J and SN 1998S: CNO Processing in the Progenitors.”
63. Price, A., et al. (incl. **Matheson, T.**) 2004, PASP, 116, 1117. “A New Cataclysmic Variable in Hercules.”
62. Mazzali, P. A., Deng, J., Maeda, K., Nomoto, K., Filippenko, A. V., & **Matheson, T.** 2004, ApJ, 614, 858. “Properties of Two Hypernovae Entering the Nebular Phase: SN 1997ef and SN 1997dq.”

61. Strolger, L.-G., et al. (incl. **Matheson, T.**) 2004, ApJ, 613, 200. “The *Hubble* Higher z Supernova Search: Supernovae to z 1.6 and Constraints on Type Ia Progenitor Models.” [Erratum: ApJ, 635, 1370.]
60. Chugai, N. N., Blinnikov, S. I., Cumming, R. J., Lundqvist, P., Bragaglia, A., Filippenko, A. V., Leonard, D. C., **Matheson, T.**, & Sollerman, J. 2004, MNRAS, 352, 1213. “The Type II In Supernova 1994W: Evidence for the Explosive Ejection of a Circumstellar Envelope.”
59. Barris, B., et al. (incl. **Matheson, T.**) 2004, ApJ, 602, 571. “23 High Redshift Supernovae from the IfA Deep Survey: Doubling the SN Sample at $z > 0.7$.”
58. Mazzali, P. A., Deng, J., Tominaga, N., Maeda, K., Nomoto, K., **Matheson, T.**, Kawabata, K. S., Stanek, K. Z., & Garnavich, P. M. 2003, ApJ, 599, L95. “The Type Ic Hypernova SN 2003dh/GRB 030329.”
57. **Matheson, T.**, et al. 2003, ApJ, 599, 394. “Photometry and Spectroscopy of GRB 030329 and Its Associated Supernova 2003dh: The First Two Months.”
56. Williams, B. F., et al. (incl. **Matheson, T.**) 2003, AJ, 126, 2608. “Imaging and Demography of the Host Galaxies of High-Redshift Type Ia Supernovae.”
55. Branch, D., Garnavich, P., **Matheson, T.**, Baron, E., Thomas, R. C., Hatano, K., Challis, P., Jha, S., & Kirshner, R. P. 2003, AJ, 126, 1489. “Optical Spectra of the Type Ia Supernova 1998aq.”
54. Tonry, J. L., et al. (incl. **Matheson, T.**) 2003, ApJ, 594, 1. “Cosmological Results from High- z Supernovae.”
53. Stanek, K. Z., **Matheson, T.**, Garnavich, P. M., Martini, P., Berlind, P., Caldwell, N., Challis, P., Brown, W. R., Schild, R., Krisciunas, K., Calkins, M. L., Lee, J. C., Hathi, N., Jansen, R. A., Windhorst, R., Echevarria, L., Eisenstein, D. J., Pindor, B., Olszewski, E. W., Harding, P., Holland, S. T., & Bersier, D. 2003, ApJ, 591, L17. “Spectroscopic Discovery of the Supernova 2003dh Associated with GRB 030329.”
52. Li, W., Filippenko, A. V., Chornock, R., Berger, E., Berlind, P., Calkins, M. L., Challis, P., Fassnacht, C., Jha, S., Kirshner, R. P., **Matheson, T.**, Sargent, W. L. W., Simcoe, R. A., Smith, G. H., & Squires, G. 2003, PASP, 115, 453. “SN 2002cx: The Most Peculiar Known Type Ia Supernova.”
51. Bersier, D., Stanek, K. Z., Winn, J. N., Grav, T., Holman, M. J., **Matheson, T.**, Mochejska, B., Steeghs, D., Walker, A. R., Garnavich, P. M., Quinn, J., Jha, S., Cook, K. H., Craig, W. W., Meintjes, P. J., & Calitz, J. J. 2003, ApJ, 584, L43. “The Unusual Optical Afterglow of the Gamma-Ray Burst GRB 021004: Color Changes and Short-Timescale Variability.”
50. **Matheson, T.**, Garnavich, P. M., Foltz, C., West, S., Williams, G., Falco, E., Calkins, M. L., Castander, F. J., Gawiser, E., Jha, S., Bersier, D., & Stanek, K. Z. 2003, ApJ, 582, L5. “The Spectroscopic Variability of GRB 021004.”
49. Garnavich, P. M., Stanek, K. Z., Wyrzykowski, L., Infante, L., Bendek, E., Bersier, D., Holland, S. T., Jha, S., **Matheson, T.**, Kirshner, R. P., Krisciunas, K., Phillips, M. M., & Carlberg, R. G. 2003, ApJ, 582, 924. “Discovery of the Low-Redshift Optical Afterglow of GRB 011121 and Its Progenitor Supernova SN 2001ke.”

48. Peterson, B. M., et al. (incl. **Matheson, T.**) 2002, ApJ, 581, 197. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. XVI. A 13 Year Study of Spectral Variability in NGC 5548.”
47. Leonard, D. C., Filippenko, A. V., Li, W., **Matheson, T.**, Kirshner, R. P., Chornock, R., Van Dyk, S. D., Berlind, P., Calkins, M. L., Challis, P. M., Garnavich, P. M., Jha, S., & Mahdavi, A. 2002, AJ, 124, 2490. “A Study of the Type II-Plateau Supernova 1999gi and the Distance to Its Host Galaxy, NGC 3184.”
46. Poznanski, D., Gal-Yam, A., Maoz, D., Filippenko, A. V., Leonard, D. C., & **Matheson, T.** 2002, PASP, 114, 833. “Not Color-Blind: Using Multiband Photometry to Classify Supernovae.”
45. Pastorello, A., Turatto, M., Benetti, S., Cappellaro, E., Danziger, I. J., Mazzali, P. A., Patat, F., Filippenko, A. V., Schlegel, D. J., & **Matheson, T.** 2002, MNRAS, 333, 27. “The Type II_{in} Supernova 1995G: Interaction with the Circumstellar Medium.”
44. Branch, D., Benetti, S., Kasen, D., Baron, E., Jeffery, D. J., Hatano, K., Stathakis, R. A., Filippenko, A. V., **Matheson, T.**, Pastorello, A., Altavilla, G., Cappellaro, E., Rizzi, L., Turatto, M., Li, W., Leonard, D. C., & Shields, J. C. 2002, ApJ, 566, 1005. “Direct Analysis of Spectra of Type Ib Supernovae.”
43. Leonard, D. C., Filippenko, A. V., Gates, E. L., Li, W., Eastman, R. G., Barth, A. J., Bus, S. J., Chornock, R., Coil, A. L., Frink, S., Grady, C. A., Harris, A. W., Malkan, M. A., **Matheson, T.**, Quirrenbach, A., & Treffers, R. R. 2002, PASP, 114, 35. “The Distance to SN 1999em in NGC 1637 from the Expanding Photosphere Method.”
42. Ho, W. C. G., Van Dyk, S. D., Peng, C. Y., Filippenko, A. V., Leonard, D. C., **Matheson, T.**, Treffers, R. R., & Richmond, M. W. 2001, PASP, 113, 1349. “*BVRI* Photometry of Supernovae.”
41. **Matheson, T.** 2001, PASP, 113, 1155. “The Spectral Characteristics of Stripped-Envelope Supernovae.”
40. Jha, S., Pahre, M. A., Garnavich, P. M., Calkins, M. L., Kilgard, R. E., **Matheson, T.**, McDowell, J. C., Roll, J. B., & Stanek, K. Z. 2001, ApJ, 554, L155. “The Redshift of the Optical Transient Associated with GRB 010222.”
39. Clocchiatti, A., et al. (incl. **Matheson, T.**) 2001, ApJ, 553, 886. “The Type Ic SN 1990B in NGC 4568.”
38. Modjaz, M., Li, W., Filippenko, A. V., King, J. Y., Leonard, D. C., **Matheson, T.**, Treffers, R. R., & Riess, A. G. 2001, PASP, 113, 308. “The Subluminous Type Ia Supernova 1998de in NGC 252.”
37. **Matheson, T.**, Filippenko, A. V., Li, W., Leonard, D. C., & Shields, J. C. 2001, AJ, 121, 1648. “Optical Spectroscopy of Type Ib/c Supernovae.”
36. Larkin, J. E., Glassman, T. M., Wizinowich, P., Acton, D. S., Lai, O., Filippenko, A. V., Coil, A. L., & **Matheson, T.** 2000, PASP, 112, 1526. “Exploring the Structure of Distant Galaxies with Adaptive Optics on the Keck II Telescope.”

35. Coil, A. L., **Matheson, T.**, Filippenko, A. V., Leonard, D. C., Tonry, J., Riess, A. G., Challis, P., Clocchiatti, A., Garnavich, P. M., Hogan, C. J., Jha, S., Kirshner, R. P., Leibundgut, B., Phillips, M. M., Schmidt, B. P., Schommer, R. A., Smith, R. C., Soderberg, A. M., Spyromilio, J., Stubbs, C., Suntzeff, N. B., & Woudt, P. 2000, *ApJ*, 544, L111. “Optical Spectra of Type Ia Supernovae at $z = 0.46$ and $z = 1.2$.”
34. **Matheson, T.**, Filippenko, A. V., Barth, A. J., Ho, L. C., Leonard, D. C., Bershad, M. A., Davis, M., Finley, D. S., Fisher, D., González, R. A., Hawley, S. L., Koo, D. C., Li, W., Lonsdale, C. J., Schlegel, D., Smith, H. E., Spinrad, H., & Wirth, G. D. 2000, *AJ*, 120, 1487. “Optical Spectroscopy of Supernova 1993J During Its First 2500 Days.”
33. **Matheson, T.**, Filippenko, A. V., Ho, L. C., Barth, A. J., & Leonard, D. C. 2000, *AJ*, 120, 1499. “Detailed Analysis of Early to Late-Time Spectra of Supernova 1993J.”
32. Leonard, D. C., Filippenko, A. V., Barth, A. J., & **Matheson, T.** 2000, *ApJ*, 536, 239. “Evidence for Asphericity in the Type II_n Supernova SN 1998S.”
31. **Matheson, T.**, Filippenko, A. V., Chornock, R., Leonard, D. C., & Li, W. 2000, *AJ*, 119, 2303. “Helium Emission Lines in the Type Ic Supernova 1999cq.”
30. Goobar, A., et al. (incl. **Matheson, T.**) 2000, *Physica Scripta Volume T*, 85, 47. “The Acceleration of the Universe: Measurements of Cosmological Parameters from Type Ia Supernovae.”
29. Filippenko, A. V., Leonard, D. C., **Matheson, T.**, Li, W., Moran, E. C., & Riess, A. G. 1999, *PASP*, 111, 969. “A Black Hole in the X-Ray Nova Velorum 1993.”
28. Perlmutter, S., et al. (incl. **Matheson, T.**) 1999, *ApJ*, 517, 565. “Measurements of Omega and Lambda from 42 High-Redshift Supernovae.” [See also Perlmutter, S., et al. 1998, in 19th Texas Symposium on Relativistic Astrophysics and Cosmology, eds. J. Paul, T. Montmerle, and E. Aubourg (CEA: Saclay), p. 146.]
27. Fesen, R. A., Gerardy, C. L., Filippenko, A. V., **Matheson, T.**, Chevalier, R. A., Kirshner, R. P., Schmidt, B. P., Challis, P., Fransson, C., Leibundgut, B., & van Dyk, S. D. 1999, *AJ*, 117, 725. “Late-Time Optical and Ultraviolet Spectra of SN 1979C and SN 1980K.”
26. Peterson, B. M., et al. (incl. **Matheson, T.**) 1999, *ApJ*, 510, 659. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. XV. Long-Term Optical Monitoring of NGC 5548.”
25. Perlmutter, S., et al. (incl. **Matheson, T.**) 1997, *ApJ*, 483, 565. “Measurements of the Cosmological Parameters Omega and Lambda from the First Seven Supernovae at $z \geq 0.35$.”
24. Filippenko, A. V., **Matheson, T.**, Leonard, D. C., Barth, A. J., & van Dyk, S. D. 1997, *PASP*, 109, 461. “A Black Hole in the X-Ray Nova Ophiuchi 1997.”
23. Kim, A. G., et al. (incl. **Matheson, T.**) 1997, *ApJ*, 476, L63. “Implications for the Hubble Constant from the First Seven Supernovae at $z \geq 0.35$.”
22. Goldhaber, G., et al. (incl. **Matheson, T.**) 1996, *Nuclear Physics B (Proc. Suppl.)*, 51, 123. “Cosmological Time Dilation Using Type Ia Supernovae as Clocks.”

21. Perlmutter, S., et al. (incl. **Matheson, T.**) 1996, Nuclear Physics B (Proc. Suppl.), 51, 20. “High-Redshift Supernova Discoveries on Demand: First Results from a New Tool for Cosmology and Bounds on q_0 .”
20. Carone, T. E., et al. (incl. **Matheson, T.**) 1996, ApJ, 471, 737. “Optical Continuum and Emission-Line Variability of the Seyfert 1 Galaxy Markarian 509.”
19. Edelson, R. A., et al. (incl. **Matheson, T.**) 1996, ApJ, 470, 364. “Multiwavelength Observations of Short-Timescale Variability in NGC 4151. IV. Analysis of Multiwavelength Continuum Variability.”
18. Kaspi, S., et al. (incl. **Matheson, T.**) 1996, ApJ, 470, 336. “Multiwavelength Observations of Short-Timescale Variability in NGC 4151. II. Optical Observations.”
17. Filippenko, A. V., **Matheson, T.**, & Barth, A. J. 1995, ApJ, 455, L139. “A Black Hole in the X-Ray Nova GS 2000+25.”
16. Filippenko, A. V., **Matheson, T.**, & Ho, L. C. 1995, ApJ, 455, 614. “The Mass of the Probable Black Hole in the X-Ray Nova GRO J0422+32.”
15. Filippenko, A. V., Barth, A. J., **Matheson, T.**, Armus, L., Brown, M., Espey, B. R., Fan, X., Goodrich, R. W., Ho, L. C., Junkkarinen, V. T., Koo, D. C., Lehnert, M. D., Martel, A. R., Mazzarella, J. M., Miller, J. S., Smith, G. H., Tytler, D., & Wirth, G. D. 1995, ApJ, 450, L11. “The Type Ic Supernova 1994I in M51: Detection of Helium and Spectral Evolution.”
14. Clocchiatti, A., Wheeler, J. C., Barker, E. S., Filippenko, A. V., **Matheson, T.**, & Liebert, J. W. 1995, ApJ, 446, 167. “Spectrophotometric Study of SN 1993J at First Maximum Light.”
13. Korista, K. T., et al. (incl. **Matheson, T.**) 1995, ApJ Supplement Series, 97, 285. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. 8: An Intensive *HST*, *IUE*, and Ground-Based Study of NGC 5548.”
12. Baron, E., Hauschildt, P. H., Branch, D., Austin, S., Garnavich, P., Ann, H. B., Wagner, R. M., Filippenko, A. V., **Matheson, T.**, & Liebert, J. 1995, ApJ, 441, 170. “Non-LTE Spectral Analysis and Model Constraints on SN 1993J.”
11. Edelson, R., et al. (incl. **Matheson, T.**) 1995, ApJ, 438, 120. “Multiwavelength Monitoring of the BL Lacertae Object PKS 2155-304. 4: Multiwavelength Analysis.”
10. Courvoisier, T. J.-L., et al. (incl. **Matheson, T.**) 1995, ApJ, 438, 108. “Multiwavelength Monitoring of the BL Lacertae Object PKS 2155-304. 3: Ground-Based Observations in 1991 November.”
9. Filippenko, A. V., **Matheson, T.**, & Barth, A. J. 1994, AJ, 108, 2220. “The Peculiar Type II Supernova 1993J in M81: Transition to the Nebular Phase.”
8. Schmidt, B. P., Kirshner, R. P., Eastman, R. G., Hamuy, M., Phillips, M. M., Suntzeff, N. B., Maza, J., Filippenko, A. V., Ho, L. C., **Matheson, T.**, Grashuis, R., Aviles, R., Kirkpatrick, J. D., Challis, P., Kuijken, K., Zucker, D., Bolte, M., & Tyson, N. D. 1994, AJ, 107, 1444. “The Expanding Photosphere Method Applied to SN 1992am at $cz = 14\,600\text{ km s}^{-1}$.”
7. Peterson, B. M., et al. (incl. **Matheson, T.**) 1994, ApJ, 425, 622. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Nuclei. 7: Variability of the Optical Spectrum of NGC 5548 over Four Years.”

6. Jeffery, D. J., Kirshner, R. P., Challis, P. M., Pun, C. S. J., Filippenko, A. V., **Matheson, T.**, Branch, D., Chevalier, R. A., Fransson, C., Panagia, N., Wagoner, R. V., Wheeler, J. C., & Clocchiatti, A. 1994, ApJ, 421, L27. “A *Hubble Space Telescope* Ultraviolet Spectrum of SN 1993J.”
5. **Matheson, T.**, Filippenko, A. V., & Ho, L. C. 1993, ApJ, 418, L29. “Nova Herculis 1991: Thermonuclear Runaway on a Massive ONeMg White Dwarf.” [Erratum: ApJ, 423, L75.]
4. Filippenko, A. V., **Matheson, T.**, & Ho, L. C. 1993, ApJ, 415, L103. “The “Type IIb” Supernova 1993J in M81: A Close Relative of Type Ib Supernovae.”
3. Baron, E., Hauschildt, P. H., Branch, D., Wagner, R. M., Austin, S. J., Filippenko, A. V., & **Matheson, T.** 1993, ApJ, 416, L21. “Interpretation of the Early Spectra of SN 1993J in M81.”
2. Filippenko, A. V., Richmond, M. W., Branch, D., Gaskell, M., Herbst, W., Ford, C. H., Treffers, R. R., **Matheson, T.**, Ho, L. C., Dey, A., Sargent, W. L. W., Small, T. A., & van Breugel, W. J. M. 1992, AJ, 104, 1543. “The Subluminous, Spectroscopically Peculiar Type Ia Supernova 1991bg in the Elliptical Galaxy NGC 4374.”
1. Filippenko, A. V., Richmond, M. W., **Matheson, T.**, Shields, J. C., Burbidge, E. M., Cohen, R. D., Dickinson, M., Malkan, M. A., Nelson, B., Pietz, J., Schlegel, D., Schmeer, P., Spinrad, H., Steidel, C. C., Tran, H. D., & Wren, W. 1992, ApJ, 384, L15. “The Peculiar Type Ia SN 1991T: Detonation of a White Dwarf?”

Conference Proceedings, Presentations, & Other Publications:

30. Soraisam, M., **Matheson, T.**, & Lee, C.-H. 2021, RNAAS, 5, 62. “AT2020caa: A Type Ia Supernova with a Prior Outburst or a Statistical Fluke?”
29. Bolton, A., et al. (incl. **Matheson, T.**) 2019, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, BAAS, 51, 7, 220. “Community Science and Data-Intensive Astronomy Support at the US National Optical Astronomy Observatory.”
28. Miller, B., et al. (incl. **Matheson, T.**) 2019, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, BAAS, 51, 7, 154. “Infrastructure and Strategies for Time Domain and MMA and Follow-Up.”
27. **Matheson, T.**, et al. 2019, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, BAAS, 51, 7, 139. “ANTARES: Enabling Time-Domain Discovery in the 2020s.”
26. Chornock, R., et al. (incl. **Matheson, T.**) 2019, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, BAAS, 51, 7, 237. “Multi-Messenger Astronomy with Extremely Large Telescopes.”
25. Soraisam, M. & **Matheson, T.** 2019, in IAU Symp. 339: Southern Horizons in Time Domain Astronomy, ed. Griffin, E., “ANTARES: Time-Domain Discovery in the Era of LSST.”

24. Saha, A., Wang, Z., **Matheson, T.**, Narayan, G., Snodgrass, R., Kececioglu, J., Scheidegger, C., Axelrod, T., Jenness, T., Ridgway, S., Seaman, R., Taylor, C., Toeniskoetter, J., Welch, E., Yang, S., & Zaidi, T. 2016, SPIE, 9910, 99100F, “ANTARES: Progress Towards Building a ‘Broker’ of Time-Domain Alerts.”
23. Narayan, G., Snodgrass, R., Kececioglu, J., Saha, A., **Matheson, T.**, Seaman, R., Jenness, T., Day Toeniskotter, J., Yang, S., Wang, Z., & Dempsey, J. 2015, IAUGA, 29, 2258269. “ANTARES: Hunting the ‘Rarest of the Rare’ in the Time-Domain.”
22. Saha, A., Narayan, G., Holberg, J., **Matheson, T.**, Olszewski, E., Stubbs, C., Bohlin, R., Sabbi, E., Deustua, S., Rest, A., Axelrod, T., MacKenty, J. W., Camarota, L., & Gilliland, R. 2015, IAUGA, 29, 2257862. “Establishing a Network of Faint DA White Dwarfs as Spectrophotometric Standards.”
21. Rest, A., Sinnott, B., Welch, D. L., Prieto, J. L., Bianco, F. B., **Matheson, T.**, Smith, R. C., & Suntzeff, N. B. 2015, ASPC, 491, 247. “Light Echoes of Ancient Transients with the Blanco 4m Telescope.”
20. Saha, A., **Matheson, T.**, Snodgrass, R., Kececioglu, J., Narayan, G., Seaman, R., Jenness, T., & Axelrod, T. 2014, SPIE, 9149, 914908. “ANTARES: A Prototype Transient Broker System.”
19. **Matheson, T.**, Saha, A., Snodgrass, R., & Kececioglu, J. 2014, in *The Third Hot-wiring the Transient Universe Workshop (HTU-III)*, eds. Wozniak, P. R., et al. “ANTARES: The Arizona-NOAO Temporal Analysis and Response to Events System.”
18. Ridgway, S. T., **Matheson, T.**, Mighell, K. J., Olsen, K. A., & Howell, S. B. 2014, in *The Third Hot-wiring the Transient Universe Workshop (HTU-III)*, eds. Wozniak, P. R., et al. “The Variable Sky.”
17. Van Dyk, S. D. & **Matheson, T.** 2012, in *Eta Carinae and the Supernova Impostors*, eds. Davidson, K. & Humphreys, R. (Berlin: Springer) “The Supernova Impostors.” (invited review chapter)
16. **Matheson, T.**, et al. 2011, in *IAU Colloq. 285: New Horizons in Time Domain Astronomy*, eds. Griffin, E., Hanisch, R., & Seaman, R., “The NOAO Transient Sky Project.”
15. **Matheson, T.** 2007, at *Paths to Exploding Stars: Accretion and Eruption*, coords. Bildsten, L, Di Stefano, R., Kirshner, R., Van den Heuvel, E., & Wheeler, J. C. (KITP: http://online.kitp.ucsb.edu/online/snovae_c07/), “Clues in Spectra for Luminosity Dependence.” (invited talk)
14. Sharon, K., et al. (incl. **Matheson, T.**) 2007, in *The Multicolored Landscape of Compact Objects and Their Explosive Origins*, eds. Salvo, T., et al. (Melville, NY: AIP press) 460, (astro-ph/0611920), “Survey for Supernovae in Massive High-Redshift Clusters.”
13. **Matheson, T.** 2007, in *The Multicolored Landscape of Compact Objects and Their Explosive Origins*, eds. Salvo, T., et al. (Melville, NY: AIP press) 304, “The Spectroscopic Diversity of Type Ia Supernovae.” (invited talk)
12. Bersier, D., Stanek, K. Z., Garnavich, P. M., **Matheson, T.**, Mazzali, P. 2006, in *Gamma-Ray Bursts in the Swift Era*, eds. Holt, S. S., Gehrels, N., & Nousek, J. A. (Melville, NY: AIP press) 420, “Long-Term Optical Monitoring of GRB 030329.”

11. **Matheson, T.** 2005, in 1604-2004: Supernovae as Cosmological Lighthouses, eds. Turatto, M., Benetti, S. Zampieri, L., & Shea, W. (San Francisco, CA: ASP) 309, “The Supernovae Associated with Gamma-Ray Bursts.” (invited talk)
10. **Matheson, T.** 2005, in The Fate of the Most Massive Stars, eds. Humphreys, R. & Stanek, K. (San Francisco, CA: ASP) 403, (astro-ph/0410668), “The Supernovae Associated with Gamma-Ray Bursts.” (invited talk)
9. **Matheson, T.** 2005, in The Fate of the Most Massive Stars, eds. Humphreys, R. & Stanek, K. (San Francisco, CA: ASP) 86, “Supernova Impostors in the Center for Astrophysics SN Database.”
8. Poznanski, D., Gal-Yam, A., Maoz, D., Filippenko, A. V., Leonard, D. C., & **Matheson, T.** 2005, in IAU Colloq. 192: Cosmic Explosions, On the 10th Anniversary of SN1993J, eds. Marcaide, J. M., & Weiler, K. W. (Berlin: Springer-Verlag) 373, “Using Multi-Band Photometry to Classify Supernovae.”
7. **Matheson, T.** 2005, in IAU Colloq. 192: Cosmic Explosions, On the 10th Anniversary of SN1993J, eds. Marcaide, J. M., & Weiler, K. W. (Berlin: Springer-Verlag) 161, “Optical Spectroscopy of Type Ia Supernovae.”
6. Chugai, N. N., et al. (incl. **Matheson, T.**) 2005, in IAU Colloq. 192: Cosmic Explosions, On the 10th Anniversary of SN1993J, eds. Marcaide, J. M., & Weiler, K. W. (Berlin: Springer-Verlag) 111, “SN 1994W: Evidence of Explosive Mass Ejection a Few Years Before Explosion.”
5. Filippenko, A. V., & **Matheson, T.** 2005, in IAU Colloq. 192: Cosmic Explosions, On the 10th Anniversary of SN1993J, eds. Marcaide, J. M., & Weiler, K. W. (Berlin: Springer-Verlag) 37, “Optical, Ultraviolet, and Infrared Observations of SN 1993J.”
4. **Matheson, T.** 2004, in Cosmic Explosions in Three Dimensions, eds. Höflich, P., Kumar, P., & Wheeler, J. C. (Cambridge: Cambridge University Press) 351, (astro-ph/0309793), “The First Direct Supernova/GRB connection: GRB 030329/SN 2003dh.” (invited talk)
3. Leonard, D. C., Filippenko, A. V., & **Matheson, T.** 2000, in American Institute of Physics Conference Series, eds. Holt, S. S., & Zhang, W. W. (Melville, NY: AIP press) 165, (astro-ph/9912337), “Probing the Geometry of Supernovae with Spectropolarimetry”
2. Perlmutter, S., et al. (incl. **Matheson, T.**) 1998, in 19th Texas Symposium on Relativistic Astrophysics and Cosmology, eds. Paul, J., Montmerle, T., & Aubourg, E. “Measurements of Omega and Lambda from 42 High-Redshift Supernovae.”
1. Blecha, A., et al. (incl. **Matheson, T.**) 1994, in Multi-Wavelength Continuum Emission of AGN, eds. Courvoisier, & Blecha, A. 319, “Ground-Based Observations of PKS 2155-304 in November 1991.”

Abstracts:

62. Andrews, J. E., Smith, N., Rest, A., **Matheson, T.**, & Margheim, S. 2020, BAAS, 235.27414. “Spectra of Eta Car before the Great Eruption.”

61. Margheim, S., Rest, A., & **Matheson, T.** 2019, BAAS, 233.41007. “Light Echos of Supernovae in the LMC.”
60. Narayan, G., Soraisam, M., Lee, C.-H., Stubens, C., Peterson, P., Kececioglu, J., **Matheson, T.**, Merrill, C., Saha, A., Scheidegger, C., & Snodgrass, R. 2019, BAAS, 233.21405. “ANTARES Live: Using a Real-Time Alert Broker with ZTF.”
59. Miles, N., Fox, O., Azalee Bostroem, K., Zheng, W., Graham, M., Van Dyk, S. D., Filippenko, A. V., **Matheson, T.**, Dwarkadas, V., Fransson, C., Smith, N., & Brink, T. 2018, BAAS, 232.32009. “*HST* FUV/NUV Photometry of the Putative Binary Companion to the SN 1993J Progenitor.”
58. Narayan, G., Axelrod, T., Calamida, A., Saha, A., **Matheson, T.**, Olszewski, E., Holberg, J., Bohlin, R., Stubbs, C. W., Rest, A., Deustua, S., Sabbi, E., MacKenty, J. W., Points, S. D., & Hubeny, I. 2018, BAAS, 231.35417. “Sub-Percent Photometry: Faint DA White Dwarf Spectrophotometric Standards for Astrophysical Observatories.”
57. Hinkle, K. H., Joyce, R. R., & **Matheson, T.** 2017, BAAS, 229.15411. “Sakurai’s Object Continues to Brighten and Expand.”
56. Ponder, K. A., Wood-Vasey, W. M., Allen, L., Garnavich, P. M., Jha, S., Kroboth, J. R., Joyce, R. R., **Matheson, T.**, Rest, A., & Weyant, A. 2016, BAAS, 228.31501. “IFU Spectroscopy of 32 SweetSpot Supernova Host Galaxies.”
55. Narayan, G., Saha, A., **Matheson, T.**, Holberg, J. B., Olszewski, E. W., Stubbs, C., Deustua, S. E., Bohlin, R., Gilliland, R. L., Rest, A., Sabbi, E., MacKenty, J. W., & Axelrod, T. S. 2015, BAAS, 225.33203. “Establishing a Network of Next Generation SED Standards with DA White Dwarfs.”
54. Rest, A., Bianco, F., Chornock, R., Clocchiatti, A., Foley, R. J., James, D., **Matheson, T.**, Narayan, G., Olsen, K. A., Points, S., Prieto, J. L., Smith, R. C., Smith, N., Suntzeff, N. B., Welch, D. L., & Zenteno, A. 2015, BAAS, 225.14016. “The Search for Light Echoes of Historic SNe in the Southern Hemisphere with DECam.”
53. Wood-Vasey, W. M., Weyant, A., Allen, L., Trevino Barton, N., Garnavich, P. M., Farhin Jahan, N., Jha, S., Kroboth, J. R., Ponder, K. A., Joyce, R. R., **Matheson, T.**, & Rest, A. 2015, BAAS, 225.14003. “SweetSpot Data Release 1: 70 Type Ia Supernovae in the Near Infrared in the Nearby Hubble Flow.”
52. Saha, A. Narayan, G., **Matheson, T.**, Holberg, J. B., Stubbs, C., Deustua, S. E., Bohlin, R., Olszewski, E. W., Gilliland, R. L., Axelrod, T. S., & Rest, A. 2014, BAAS, 224.31904 “Establishing a Network of Next Generation SED Standards with DA White Dwarfs.”
51. Wood-Vasey, W. M., Weyant, A., Allen, L., Garnavich, P. M., Jahan, N., Jha, S., Ponder, K. A., Joyce, R. R., **Matheson, T.**, & Rest, A. 2014, BAAS, 224.12115 “SweetSpot Data Release 1: 70 Type Ia Supernovae in the Near Infrared in the Nearby Hubble Flow.”
50. Wood-Vasey, W. M., Weyant, A., Allen, L., Garnavich, P. M., Jahan, N., Jha, S., Joyce, R. R., **Matheson, T.**, & Rest, A. 2014, BAAS, 223.35401 “SweetSpot: A 3-year NOAO Survey to Observe 150 Type Ia Supernovae in the Near Infrared in the Nearby Hubble Flow.”
49. **Matheson, T.**, Saha, A., Snodgrass, R., & Kececioglu, J. 2014, BAAS, 223.34302 “ANTARES: A Prototype Transient Broker System.”

48. Ridgway, S. T., **Matheson, T.**, Mighell, K. J., Olsen, K. A., & Howell, S. B 2014, BAAS, 223.34301 “Variable target discovery rates in the LSST survey.”
47. Olsen, K. A., **Matheson, T.**, Ridgway, S. T., Saha, A., Lauer, T. R., & the NOAO LSST Science Working Group 2013, BAAS, 221.24712 “NOAO and LSST: Illuminating the Path to LSST for All Users.”
46. Narayan, G., et al. (incl. **Matheson, T.**) 2012, BAAS, 219.24219 “228 Type Ia Supernovae from the ESSENCE Survey.”
45. **Matheson, T.**, et al. 2012, BAAS, 219.15611 “The NOAO Transient Sky Project.”
44. Rest, A., et al. (incl. **Matheson, T.**) 2011, BAAS, 217.337232 “3D Spectroscopic View of Supernovae Using Light Echoes.”
43. Kleiser, I., et al. (incl. **Matheson, T.**) 2011, BAAS, 217.33726, “The Peculiar Type II Supernova 2000cb.”
42. Garnavich, P. M., et al. (incl. **Matheson, T.**) 2010, BAAS, 215.43014, “The Luminous ESSENCE Transient Y-155: A Pair Instability Supernova at High Redshift?”
41. Narayan, G., et al. (incl. **Matheson, T.**) 2010, BAAS, 215.31301, “Analysis of the 6 year ESSENCE Survey data set: Preliminary Cosmological Results.”
40. Rest, A., Foley, R., Gezari, S., Huber, M., **Matheson, T.**, & Garg, A. 2009, BAAS, 214.31603, “An Extremely Luminous SN II In With Long-lived Circumstellar Interaction.”
39. **Matheson, T.** 2009, BAAS, 214.23103, “ODI Science: The Outlook from NOAO.”
38. Suntzeff, N. B., et al. (incl. **Matheson, T.**) 2008, BAAS, 213.48106. “Supernova Cosmology Results From Six Years of ESSENCE.”
37. Rest, A., et al. (incl. **Matheson, T.**) 2007, BAAS, 211.10702. “Light Echoes from the Historical Galactic Supernovae Cas A and Tycho.”
36. Welch, D. L., et al. (incl. **Matheson, T.**) 2006, BAAS, 209.15008. “Imaging and Spectroscopy of Ancient Supernovae Light Echoes in the LMC.”
35. Hicken, M., et al. (incl. **Matheson, T.**) 2006, BAAS, 209.9005. “CfA Nearby Supernova Ia Light Curves and Exploring Correlations Between Light Curve Shape And Host Galaxy Type.”
34. Hicken, M., et al. (incl. **Matheson, T.**) 2006, BAAS, 208.7204. “CFA Supernova Observing Program and Light Curves.”
33. Pignata, G., et al. (incl. **Matheson, T.**) 2005, BAAS, 207.18008. “ESSENCE Survey: Data Reduction and Calibration.”
32. **Matheson, T.**, Kirshner, R. P., Challis, P., Jha, S., Garnavich, P. M., Berlind, P., & Calkins, M. L. 2005, BAAS, 207.17109. “Optical Spectroscopy of Type Ia Supernovae.”
31. Bonanos, A. Z., et al. (incl. **Matheson, T.**) 2005, BAAS, 207.10407. “The First DIRECT Distance to a Detached Eclipsing Binary in M33.”

30. Modjaz, M., Kirshner, R. P., Challis, P., Hicken, M., & **Matheson, T.** 2005, BAAS, 206.5106. “Optical Spectra of Type Ia, Ib/c Supernovae.”
29. Wood-Vasey, W. M., et al. (incl. **Matheson, T.**) 2005, BAAS, 206.4512. “Spectral Properties of High-Redshift Type Ia Supernovae - Expansion Velocities.”
28. Miknaitis, G., et al. (incl. **Matheson, T.**) 2005, BAAS, 206.4511. “Preliminary Results from the ESSENCE Project.”
27. Wang, L., et al. (incl. **Matheson, T.**) 2005, BAAS, 206.4501. “*HST* UV Observations of Hubble-Flow Type Ia Supernovae.”
26. Miknaitis, G., et al. (incl. **Matheson, T.**) 2004, BAAS, 205.17812. “ESSENCE: Progress toward a Large Sample of Intermediate Redshift SNe to Constrain w .”
25. **Matheson, T.**, et al. 2004, BAAS, 205.6910. “Spectroscopy of High-Redshift Supernovae from the ESSENCE Project: The First Two Years.”
24. Krisciunas, K., et al. (incl. **Matheson, T.**) 2004, BAAS, 205.6909. “The First Photometry from the ESSENCE Project.”
23. Stanek, K. Z., Bersier, D., Garnavich, P. M., Holland, S. T., & **Matheson, T.** 2003, BAAS, 203.13203. “GRB 030329/SN 2003dh: Late Time Light Curve, Jitter Event.”
22. **Matheson, T.**, et al. 2003, BAAS, 203.13202. “Spectroscopic Evolution of SN 2003dh Associated with GRB 030329.”
21. Miknaitis, G., et al. (incl. **Matheson, T.**) 2003, BAAS, 203.8214. “Optimizing the ESSENCE Supernova Survey for Sensitivity to the Equation of State Parameter.”
20. Kirshner, R. P., et al. (incl. **Matheson, T.**) 2003, BAAS, 202.2308. “ESSENCE: Measuring the Equation of State of the Universe with Supernovae.”
19. Smith, R. C., et al. (incl. **Matheson, T.**) 2002, BAAS, 34, 1232. “ESSENCE: Strategies and Initial Observations.”
18. Krisciunas, K., et al. (incl. **Matheson, T.**) 2002, BAAS, 34, 1305. “Photometry of Six Type Ia Supernovae with Redshifts between 0.47 and 0.89 Observed in 1998.”
17. Clocchiatti, A., et al. (incl. **Matheson, T.**) 2002, BAAS, 34, 1143. “Photometry of Five Type Ia Supernovae with Redshifts between 0.46 and 0.54.”
16. Barris, B., et al. (incl. **Matheson, T.**) 2002, BAAS, 34, 1306. “Optical Photometry of High Redshift Type Ia SN from the IfA Deep Survey.”
15. Bersier, D., Stanek, K. Z., **Matheson, T.**, Heyl, J., Garnavich, P. M., Holland, S. T., & Jha, S. 2002, BAAS, 34, 1243. “Polarization in GRB 020405 and Short-Term Variability in GRB 021004: Examples of Optical Observations in the SWIFT Era.”
14. Garnavich, P. M., et al. (incl. **Matheson, T.**) 2002, BAAS, 34, 1233. “ESSENCE: Constraining Properties of the Dark Energy with Supernovae.”
13. Holland, S. T., et al. (incl. **Matheson, T.**) 2002, BAAS, 34, 1306. “Preliminary Infrared Light Curves of Supernovae at $z \approx 0.5$.”

12. Garnavich, P. M., Stanek, K. Z., Wyrzykowski, L., Infante, L., Bendek, E., Holland, S. T., Bersier, D., Jha, S., **Matheson, T.**, Kirshner, R. P., Phillips, M. M., Krisciunas, K., & Carlberg, R. 2002, BAAS, 34, 677. “Discovery of the Low-Redshift Afterglow of GRB 011121 and Its Progenitor Supernova 2001ke.”
11. Mandel, K., Jha, S., **Matheson, T.**, Challis, P., & Kirshner, R. P. 2001, BAAS, 33, 1370. “Optical Photometry of the Type Ia Supernova 2001V in NGC 3987.”
10. Clocchiatti, A., Suntzeff, N. B., Covarrubias, R., Phillips, M. M., Filippenko, A., Turatto, M., Cappellaro, E., Della Valle, M., Piemonte, A., & **Matheson, T.** 1999, BAAS, 31, 1425. “UVOIR Light Curves of SN 1990B and SN 1998bw.”
9. Kim, A., et al. (incl. **Matheson, T.**) 1996, BAAS, 28, 1420. “Cosmological Measurements and Tests from a Sample of High-Redshift Supernovae.”
8. Deustua, S., et al. (incl. **Matheson, T.**) 1996, BAAS, 28, 1288. “Supernovae at $z=0.35-0.85$ and Measurements of $\Omega_{\text{m}0}$, Λ , and H_0 : Current Status of the Supernova Cosmology Project.”
7. Perlmutter, S., et al. (incl. **Matheson, T.**) 1995, BAAS, 27, 1413. “Cosmology from 7 High-Redshift Supernovae: Type Ia Homogeneity at $z \geq 0.4$ and the Measurement of q_0 .”
6. Kim, A., et al. (incl. **Matheson, T.**) 1995, BAAS, 27, 1292. “High-Redshift Supernova Searching to Study q_0 , Λ , $\Omega_{\text{m}0}$, and H_0 : First Results from 7 Supernovae at Redshifts $z \geq 0.5$.”
5. Filippenko, A. V., Barth, A. J., **Matheson, T.**, & Ho, L. C. 1994, BAAS, 26, 1361. “Detection of He I in the “Type Ic” Supernova 1994I in M51.”
4. **Matheson, T.**, Filippenko, A. V., & Ho, L. C. 1994, BAAS, 26, 1361. “Clumping in the Ejecta of Supernova 1993J.”
3. **Matheson, T.** & Filippenko, A. V. 1993, BAAS, 25, 893. “Early-Time Spectroscopy of SN1993J.”
2. **Matheson, T.**, Filippenko, A. V., & Ho, L. C. 1992, BAAS, 24, 1260. “Nova Herculis 1991: An Anomalous ONeMg Nova.”
1. **Matheson, T.**, & Noyes, R. W. 1990, BAAS, 22, 852. “Temporal Variations on Solar Chromospheric and Coronal Extreme-Ultraviolet Lines and Implications for Heating Mechanisms.”

IAU, ATel, & GCN Circulars:

Co-author on over 550 IAU circulars/CBET/ATel/TNS reports, mostly on spectral classifications of supernovae, some with multiple objects per circular. Co-author on 11 GCN circulars, mostly on spectroscopic observations of GRB afterglows.