

59 Refereed Publications Since 2011 with Named Co-Authors who are NASA Citizen Scientists

Compiled by Marc Kushner
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Authors in **bold** are citizen scientists.

Aurorasaurus

Semeter, J., **Hunnekuhl**, M., MacDonald, E., Hirsch, M., **Zeller**, N., **Chernenkoff**, A., & **Wang**, J. (2020). The mysterious green streaks below STEVE. *AGU Advances*, 1, e2020AV000183. <https://doi.org/10.1029/2020AV000183>

Hunnekuhl, M., & MacDonald, E. (2020). Early ground-based work by auroral pioneer Carl Størmer on the high-altitude detached subauroral arcs now known as “STEVE”. *Space Weather*, 18, e2019SW002384. <https://doi.org/10.1029/2019SW002384>

S. B. Mende, B. J. Harding, & **C. Turner**. “Subauroral Green STEVE Arcs: Evidence for Low-Energy Excitation” *Geophysical Research Letters*, Volume 46, Issue 24, Pages 14256-14262 (2019) <http://doi.org/10.1029/2019GL086145>

S. B. Mende. & **C. Turner**. “Color Ratios of Subauroral (STEVE) Arcs” *Journal of Geophysical Research (Space Physics)*, Volume 124, Issue 7, Pages 5945-5955 (2019) <http://doi.org/10.1029/2019JA026851>

Y. Nishimura, Y. B, Gallardo-Lacourt, B., Y, Zou, E. Mishin, D.J. Knudsen, E. F. Donovan, V. Angelopoulos, **R. Raybell**, “Magnetospheric Signatures of STEVE: Implications for the Magnetospheric Energy Source and Interhemispheric Conjugacy” *Geophysical Research Letters*, Volume 46, Issue 11, Pages 5637-5644 (2019)

Elizabeth A. MacDonald, Eric Donovan, Yukitoshi Nishimura, Nathan A. Case, D. Megan Gillies, Bea Gallardo-Lacourt, William E. Archer, Emma L. Spanswick, **Notance Bourassa**, Martin Connors, Matthew Heavner, Brian Jackel, Burcu Kosar, David J. Knudsen, **Chris Ratzlaff** and Ian Schofield, “New science in plain sight: Citizen scientists lead to the discovery of optical structure in the upper atmosphere” *Science Advances*, vol. 4, issue 3, DOI: 10.1126/sciadv.aag0030 (2018) <https://advances.sciencemag.org/content/4/3/eaag0030>

Backyard Worlds: Planet 9

Meisner, Aaron M.; Faherty, Jacqueline K.; Kirkpatrick, J. Davy; Schneider, Adam C.; **Caselden, Dan**; Gagné, Jonathan; Kushner, Marc J.; Burgasser, Adam J.; Casewell, Sarah L.;

Debes, John H.; Artigau, Étienne; Bardalez Gagliuffi, Daniella C.; Logsdon, Sarah E.; Kiman, Rocio; Allers, Katelyn; Hsu, Chih-chun; Wisniewski, John P.; **Allen, Michaela B.; Beaulieu, Paul; Colin, Guillaume Durantini Luca, Hugo A.; Goodman, Sam; Gramaize, Léopold; Hamlet, Leslie K.; Hinckley, Ken; Kiwy, Frank; Martin, David W.; Pendrill, William; Rothermich, Austin; Sainio, Arttu; Schümann, Jörg; Andersen, Nikolaj Stevnbak; Tanner, Christopher; Thakur, Vinod; Thévenot, Melina; Walla, Jim; Wędracki, Zbigniew;** Aganze, Christian; Gerasimov, Roman; Theissen, Christopher; Backyard Worlds: Planet 9 Collaboration. “Spitzer Follow-up of Extremely Cold Brown Dwarfs Discovered by the Backyard Worlds: Planet 9 Citizen Science Project” *The Astrophysical Journal*, 899:123 (30pp), 2020 August 20, DOI: 10.3847/1538-4357/aba633

Schneider, Adam C.; Burgasser, Adam J.; Gerasimov, Roman; Marocco, Federico; Gagné, Jonathan; **Goodman, Sam; Beaulieu, Paul; Pendrill, William; Rothermich, Austin; Sainio, Arttu;** Kuchner, Marc J.; **Caselden, Dan;** Meisner, Aaron M.; Faherty, Jacqueline K.; Mamajek, Eric E.; Hsu, Chih-Chun; Greco, Jennifer J.; Cushing, Michael C.; Kirkpatrick, J. Davy; Bardalez-Gagliuffi, Daniella Logsdon, Sarah E.; Allers, Katelyn; Debes, John H.; Backyard Worlds: Planet 9 Collaboration “WISEA J041451.67-585456.7 and WISEA J181006.18-101000.5: The First Extreme T-type Subdwarfs?” *The Astrophysical Journal*, Volume 898, Issue 1, id.77, DOI: 10.3847/1538-4357/ab9a40

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J. Davy Kirkpatrick, Christopher Gelino, Jacqueline Faherty, Aaron M. Meisner, **Dan Caselden,** Adam C. Schneider, Federico Marocco, Alfred J. Cayago, Richard L. Smart, Peter R. Eisenhardt, Marc J. Kuchner, Edward L. Wright, Michael C. Cushing, Katelyn Allers, Daniella C. Bardalez Gagliuffi, Adam J. Burgasser, Jonathan Gagne, Sarah E. Logsdon, Emily, C. Martin, James G. Ingalls, Patrick J. Lowrancee, Eelliann S. Abrahams, Christian Aganze, Roman Gerasimov, Eileen C. Gonzalees, Chih-Chun Hsu, Nikita Kamraj, l Rocio Kiman, Jon Rees, Christopheer Theissen, Kareen Ammar, **Nikolaj Steevnbak Andersen, Paul Beaulieu, Guillaume Colin,** Charles Elachi, **Samuel J. Goodman, Leopold Gramaize, Leslie K. Hamlet, Justin Hong, Alexander Jonkeren, David W. Martin, William Pendrill, Benjamin Pumphrey, Austin Rothermich, Arttu Sainio, Andres Stenner, Christopher Tanner, Melina Thevenot, Jim Walla, Zbigniew Wedracki** and the BACKYARD WORLDS: PLANET 9 COLLABORATION, “The Field Substellar Mass Function Based on the Full-sky 20-pc Census of 525 L, T, and Y Dwarfs” to appear in *ApJ*

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Marc J. Kuchner, Jacqueline K. Faherty, Adam C. Schneider, Aaron M. Meisner, Joseph C. Filippazzo, Jonathan Gagné, Laura Trouille, Steven M. Silverberg, **Rosa Castro, Bob Fletcher, Khasan Mokaev, and Tamara Stajic** “The First Brown Dwarf Discovered by the Backyard Worlds: Planet 9 Citizen Science Project” *The Astrophysical Journal Letters*, Volume 841, Number 2 (2017) <https://iopscience.iop.org/article/10.3847/2041-8213/aa7200/pdf>

Citizen CATE

M. J. Penn, R. Baer, R. Bosh., D. Garrison, R. Gelderman , H. Hare, **Fred Isberner**, L. Jensen, S. Kovac, M. McKay A. Mitchell, M. Pierce, A. Ursache , J. Varsik, D. Walter, Z. Watson, **David Young**, and the Citizen CATE Team “Instrumentation for the Citizen CATE Experiment: Faroe Islands and Indonesia” *Publications of the Astronomical Society of the Pacific*, Volume 129, Issue 971, pp. 015005 (2017). <https://arxiv.org/pdf/1609.00035.pdf>

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Disk Detective

Maria C. Schutte, Kellen. D. Lawson, John P. Wisniewski, Marc J. Kuchner, Steven M. Silverberg, Jacqueline K. Faherty, Daniella C. Bardalez Gagliuffi, Rocio Kiman, Jonathan Gagné, Aaron Meisner, Adam C. Schneider, Alissa S. Bans, John H. Debes, N. Kovacevic, **Milton K. D. Bosch, Hugo A. Durantini Luca, Jonathan Holden, Michiharu Hyogo** “Discovery of a Nearby Young Brown Dwarf Disk”

Steven M, Silverberg, John P. Wisniewski, Marc J, Kuchner, Kellen D. Lawson, Alissa S. Bans, John H. Debes, **Joseph R. Biggs, Milton K.D. Bosch, Katharina Doll, Hugo A. Durantini Luca, Alexandru Enachioaie, Joshua Hamilton, Jonathan Holden, Michiharu Hyogo** and The Disk Detective Collaboration, “Peter Pan Disks: Long-lived Accretion Disks Around Young M Stars” *Astrophysical Journal*, Vol 890, Pg. 106 (2010). <https://arxiv.org/abs/2001.05030>

Steven M. Silverberg, Marc J. Kuchner, John P. Wisniewski, Alissa S. Bans, John H. Debes, Scott J. Kenyon, Christoph Baranec, Reed Riddle, Nicholas Law, Johanna K. Teske, **Emily Burns-Kaurin, Milton K.D. Bosch, Tadeas Cernohous, Katharina Doll, Hugo A. Durantini Luca, Michiharu Hyogo, Joshua Hamilton, Johanna J.S. Finnemann, Lily Lau**, the Disk Detective Collaboration “Follow-up Imaging of Disk Candidates from the Disk Detective Citizen Science Project: New Discoveries and False-Positives in WISE Circumstellar Disk Surveys” *The Astrophysical Journal*, Volume 868, Issue 1, article id. 43, 15 pp. (2018).
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<https://iopscience.iop.org/article/10.3847/2041-8205/830/2/L28/meta>

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Exoplanet Explorers

Adina D. Feinstein, Joshua E. Schlieder, John H. Livingston, David R. Ciardi, Andrew W. Howard, Lauren Arnold, Geert Barentsen, Makannah Bristow, Jessie L. Christiansen, Ian J. M. Crossfield, Courtney D. Dressing, Erica J. Gonzales, Molly Kosiarek, Chris J. Lintott, Grant Miller, Farisa Y. Morales, Erik A. Petigura, Beverly Thackeray, **Joanne Ault, Elisabeth Baeten, Alexander F. Jonkeren, James Langley, Houssen Moshinaly, Kirk Pearson, Christopher Tanner, and Joanna Treasure** “K2-288Bb: A Small Temperate Planet in a Low-mass Binary System Discovered by Citizen Scientists” *The Astronomical Journal*, 157:40, 14pp, (2019)
<https://iopscience.iop.org/article/10.3847/1538-3881/aafa70/pdf>

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Exoplanet Watch

Zellem, Robert T.; Pearson, Kyle A.; Blaser, Ethan; **Fowler, Martin**; Ciardi, David R.; Biferno, Anya; **Massey, Bob**; Marchis, Franck; Baer, Robert; **Ball, Conley**; **Chasin, Mike**; Conley, Mike; **Dixon, Scott**; **Fletcher, Elizabeth**; **Hernandez, Saneyda**; **Nair, Sujay**; **Perian, Quinn**; Sienkiewicz, Frank; **Tock, Kalée**; **Vijayakumar, Vivek**; Swain, Mark R.; Roudier, Gael M.; Bryden, Geoffrey; Conti, Dennis M.; Hill, Dolores H.; Hergenrother, Carl W.; Dussault, Mary; Kane, Stephen R.; Fitzgerald, Michael; Boyce, Pat; Peticolas, Laura; Gee, Wilfred; Cominsky, Lynn; Zimmerman-Brachman, Rachel; Smith, Denise; Creech-Eakman, Michelle J.; Engelke, John; Iturralde, Alexandra; Dragomir, Diana; Jovanovic, Nemanja; Lawton, Brandon; Arbouch, Emmanuel; Kuchner, Marc; Malvache, Arnaud, “Utilizing Small Telescopes Operated by Citizen Scientists for Transiting Exoplanet Follow-up” 2020, *PASP*, 132, 054401. doi:10.1088/1538-3873/ab7ee7

GLOBE

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Chastel, S., M. Huber, Y. Ramanjooloo, R. Wainscoat, R. Weryk, K. Chambers, T. de Boer, L. Denneau, J. Fairlamb, H. Flewelling, C.-C. Lin, E. Magnier, **L. Davino, A. Catapano, M. Corbisiero, G. Ruggiero**, L. Buzzi, J. Martin, J. Wood, *Minor Planet Center Electronic Circular* (MPEC) 2020-Q129, Issued 20 August 2020,

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Note: This article has an Altmetric score of 829 as of January 4, 2021. This puts this article in the 99th percentile of tracked articles of a similar age. Altmetric calculates a score based on the online attention an article receives. This article also has been cited 29 times according to Web of Science.

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MAPPPD

Humphries G.R.W., Che-Castaldo C., Bull P.J., Lipstein G., **Aharon Ravia**, **B. Carrión**, **T. Bolton T.**, **A. Ganguly**, and Lynch H.J. “Predicting the future is hard and other lessons from a population time series data science competition” *Ecological Informatics*, Volume 48, November 2018, Pages 1-11. (2018)

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Planet Hunters

S. Rappaport, A. Vanderburg, **T. Jacobs, D. LaCourse**, J. Jenkins, A. Kraus, A. Rizzuto, D.W. Latham, A. Bieryla, M. Lazarevic, **A. Schmitt** “Likely Transiting Exocomets Detected by Kepler”

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Joseph R. Schmitt, Andrei Tokovinin, Ji Wang, Ji, Debra A. Fischer, **Martti H. Kristiansen, Daryll M. LaCourse, Robert Gagliano, Arvin Joseff V. Tan, Hans Martin Schwengeler, Mark R. Omohundro, Alexander Venner, Ivan Terentev, Allan R. Schmitt, Thomas L. Jacobs, Troy Winarski, Johann Sejpka, Kian J. Jek**, Tabettha S. Boyajian, John M. Brewer, Sascha T. Ishikawa, Chris Lintott, Stuart Lynn, Kevin Schawinski, Megan E. Schwamb, Alex Weiksnar, “Planet Hunters. X. Searching for Nearby Neighbors of 75 Planet and Eclipsing Binary Candidates from the K2 Kepler extended mission” *Astronomical Journal*, 151, Number 6 (2016)

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Planet Hunters TESS

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That’s just refereed publications, and named co-authors. Many more citizen scientists are coauthors on non-refereed works, or mentioned as a collective in co-author lists, or mentioned in the acknowledgements of publications.

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- Drafting the work or revising it critically for important intellectual content; AND
- Final approval of the version to be published; AND
- Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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