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Refereed Papers:

- P356 "Predicting Fungal Contaminants for Space Missions Using Proteome-Wide Screening for Protein Orthologs", A. Mahabal, V. Jani, S. G. Djorgovski, N. K. Singh, S. Bijlani 2026, submitted to *Astrobiology*.
- P355 "Gaia GraL: Gaia DR2 Gravitational Lens Systems. V. Doubly-imaged QSOs Discovered From Entropy and Wavelets", A. Krone-Martins, M. Graham, D. Stern, S.G. Djorgovski, L. Delchambre, C. Ducourant, R. Teixeira, A. Drake, S. Scarano Jr., J. Surdej, L. Galluccio, P. Jalan, O. Wertz, J. Klüter, F. Mignard, C. Spindola-Duarte, D. Dobie, E. Slezak, D. Sluse, T. Murphy, C. Boehm, A. Nierenberg, U. Bastian, J. Wambsganss, J.-F. LeCampion 2025, submitted to *A&A*.
- P354 "JWST lensed quasar dark matter survey IV: Stringent warm dark matter constraints from the joint reconstruction of extended lensed arcs and quasar flux ratios", D. Gilman, A. Nierenberg, T. Treu, C. Gannon, X. Du, H. Pagnat, S. Birrer, A. Benson, P. Mozumdar, K. Wong, D. Williams, R. Keeley, K. Abazajian, T. Anguita, V. Bennert, S. G. Djorgovski, A. Kusenko, M. Malkan, T. Morishita, V. Motta, L. Moustakas, W. Sheu, D. Sluse, M. Stiavelli 2025, submitted to *Phys. Rev. D*.
- P353 "JWST Lensed Quasar Dark Matter Survey III: Dark Matter Sensitive Flux Ratios and Warm Dark Matter Constraint from the Full Sample", R. Keeley, A. Nierenberg, D. Gilman, T. Treu, X. Du, C. Gannon, P. Mozumdar, K. Wong, S. Birrer, M. Malkan, A. Benson, K. Abazajian, T. Anguita, V. Bennert, S. G. Djorgovski, S. Hoenig, A. Kusenko, T. Morishita, V. Motta, L. Moustakas, W. Sheu, D. Sluse, D. Stern, M. Stiavelli, D. Williams 2025, submitted to *Phys. Rev. D*.
- P352 "The nature of ASASSN-24fw's occultation: modelling the event as dimming by optically thick rings around a sub-stellar companion", S. Shah, J. Marshall, C. del Burgo, G. Hajdu, I. Rebollido, B. Pilecki, A. Mahabal, M. Kasliwal, V. Karambelkar, M. Graham, S. G. Djorgovski, D. Stern, S. Zeegers, B. Reddy, & C. Kemper 2025, *MNRAS* in press.
- P351 "Gaia GraL X. The GraL database of gravitationally lensed quasars, match with Gaia data, redshifts and time delays", C. Ducourant, R. Teixeira, P. H. Vale-Cunha, L. Delchambre, A. Krone-Martins, L. Galluccio, O. S. Krinski-Moreira, J. Braine, C. Boehm, T. Connor, A. Deller, S. G. Djorgovski, M. J. Graham, P. Jalan, Q. Petit, S. Scarano Jr., S. A. Klioner, J. Klüter, F. Mignard, T. Murphy, V. Negi, J. Sebastian den Brok, E. Slezak, D. Sluse, C. Spindola-Duarte, D. Stern, J. Surdej, D. Sweeney, D. J. Walton, J. Wambsganss, Y. Wang, Z. Wang 2025, submitted to *A&A*.
- P350 "Semi-Supervised Learning for Lensed Quasar Detection", D. Sweeney, A. Krone-Martins, P. Tuthill, R. Scalzo, D. Stern, S. G. Djorgovski, C. Ducourant, A. Mahabal, R. Teixeira, & M. J. Graham 2025, *MNRAS*, doi:10.48550/arXiv.2504.00054
- P349 "Spectroscopic Classification of Extragalactic Transients from CRTS", A. J. Drake, S. G. Djorgovski, M. J. Graham, D. Stern, A. Mahabal, M. Catelan, J. Prieto, & S. Larson 2025, *MNRAS*, in press, doi:10.1093/mnras/staf1716.
- P348 "The Most Luminous Flare Recorded from a Supermassive Black Hole", M. Graham, B. McKernan, K. E. S. Ford, D. Stern, M. Cantiello, A. Drake, Y. Ding, M. Kasliwal, M.

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- P347 "QZO: A Catalog of 5 Million Quasars from the Zwicky Transient Facility", Nakoneczny, S., Graham, M., Stern, D., Helou, G., Djorgovski, S. G., Bellm, E., Chen, T., Dekany, R., Drake, A., Mahabal, A., Prince, T., Riddle, R., Rusholme, B., Sravan, N. 2025, *ApJ*, 992, 153, doi:10.3847/1538-4357/adf4e4
- P346 "Gaia GraL: Gaia Gravitational Lens Systems. IX. XGBoost to explore the Gaia FPR GravLens catalogue", Q. Petit, C. Ducourant, E. Slezak, A. Krone-Martins, C. Boehm, T. Connor, L. Delchambre, S. G. Djorgovski, L. Galluccio, M. J. Graham, P. Jalan, S. A. Klioner, J. Klüter, F. Mignard, Vibhore Negi, S. Scarano Jr., J. den Brok, D. Sluse, D. Stern, J. Surdej, R. Teixeira, P.H. Vale-Cunha, D. Walton, J. Wambsgans 2025, *A&A*, 696, A51, doi:10.1051/0004-6361/202451690
- P345 "JWST Lensed quasar dark matter survey II: WDM Constraints from warm dust flux ratios in 9 systems", R. Keeley, A. Nierenberg, D. Gilman, C. Gannon, S. Birrer, T. Treu, K. Abazajian, T. Anguita, A. Benson, V. Bennert, S. G. Djorgovski, X. Du, C. Fassnacht, S. Hoenig, A. Kusenko, C. Lemon, M. Malkan, V. Motta, L. Moustakas, D. Sluse, D. Stern, & R. Wechsler 2024, *MNRAS*, 535, 1652.
- P344 "Black hole jets on the scale of the Cosmic Web", M. Oei, M. Hardcastle, R. Timmerman, A. Gast, A. Botteon, A. Rodriguez, D. Stern, G. Rivera, R. van Weeren, H. Röttgering, H. Intema, F. de Gasperin, S. G. Djorgovski 2024, *Nature*, 633, 537.
- P343 "GraL spectroscopic identification of multiply imaged quasars", Jalan, P., Negi, V., Surdej, J., Boehm, C., Delchambre, L., den Brok, J., Dobie, D., Drake, A., Ducourant, C., Djorgovski, S. G., Galluccio, L., Graham, M., Klüter, J., Krone-Martins, A., LeCampion, J.-F., Mahabal, A.A., Mignard, F., Murphy, T., Nierenberg, A., Scarano, S., Simon, J., Slezak, E., Sluse, D., Spíndola-Duarte, C., Stern, D., Teixeira, R., Wambsganss, J. 2024, *Bulletin de la Société Royale des Sciences de Liège*, 93, 752.
- P342 "Gaia GraL: Gaia DR2 Gravitational Lens Systems. VIII. A radio census of lensed systems", Dobie, D., Sluse, D., Deller, A., Murphy, T., Krone-Martins, A., Stern, D., Wang, Z., Wang, Y., Boehm, C., Djorgovski, S. G., Galluccio, L., Delchambre, L., Connor, T., Sebastiaan den Brok, J., Do Vale Cunha, P., Ducourant, C., Graham, M., Jalan, P., Klioner, S., Klüter, J., Mignard, F., Negi, V., Petit, Q., Scarano, S., Slezak, E., Surdej, J., Teixeira, R., Walton, D., Wambsganss, J. 2024, *MNRAS*, 528, 5880.
- P341 "JWST Lensed Quasar Dark Matter Survey I: Description and First Results", A. Nierenberg, R. Keeley, D. Sluse, D. Gilman, S. Birrer, T. Treu, K. Abazajian, T. Anguita, A. Benson, V. Bennert, S. G. Djorgovski, X. Du, C. Fassnacht, S. Hoenig, A. Kusenko, C. Lemon, M. Malkan, V. Motta, L. Moustakas, D. Stern, & R. Wechsler 2024, *MNRAS*, 530, 2960.
- P340 "1100 Days in the Life of the Supernova 2018ibb – the Best Pair-Instability Supernova Candidate to Date", S. Schulze, C. Fransson, A. Kozyreva, T.-W. Chen, O. Yaron, A. Jerkstrand, A. Gal-Yam, J. Sollerman, L. Yan, T. Kangas, G. Leloudas, C. Omand, S. Smartt, Y. Yang, M. Nicholl, N. Sarin, Y. Yao, T. Brink, A. Sharon, A. Rossi, P. Chen, Z. Chen, A. Cikota, K. De, A. Drake, A. Filippenko, C. Fremling, L. Fréour, J. Fynbo, A. Ho, C. Inessa, I. Irani, H. Kuncarayakti, R. Lunnan, P. Mazzali, E. Ofek, E. Palazzi, D. Perley, M. Pursiainen, B. Rothberg, L. Shingles, K. Smith, K. Taggart, L. Tartaglia, W. Zheng, J. Anderson, L. Cassara, E. Christensen, S. G. Djorgovski, L. Galbany, A. Gkini, M. Graham,

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- P338 "Strong gravitational lensing by a quasar in merging galaxies", Millon, M., Courbin, F., Galan, A, Sluse, D., Ding, X., Tewes, M., Djorgovski, S.G., Meylan, G., Mahabal, A., & Magain, P. 2023, *Nature Astron.*, 7, 959–966.
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- P335 "A Light in the Dark: Searching for Electromagnetic Counterparts to Black Hole-Black Hole Mergers in LIGO/Virgo O3 With the Zwicky Transient Facility", M. J. Graham, B. McKernan, K. E. Saavik Ford, D. Stern, S. G. Djorgovski, M. Coughlin, and The ZTF Team, 2023, *Astrophys. J.* 942, 99.
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- P332 "A fast radio burst source at a complex magnetised site in a barred galaxy", Xu, H., Niu, J., Chen, P., Lee, K., Zhu, W., Dong, S., Zhang, B., Jiang, J., Wang, B., Xu, J., Zhang, C., Fu, H., Filippenko, A., Peng, E., Zhou, D., Zhang, Y., Wang, P., Feng, Y., Li, Y., Brink, T., Li, D., Lu, W., Yang, Y., Caballero, R., Cai, C., Chen, M., Dai, Z., Djorgovski, S. G., Esamdin, A., Gan, H., Guhathakurta, P., Han, J., Hao, L., Huang, Y., Jiang, P., Li, C., Li, D., Li, H., Li, X., Li, Z., Liu, Z., Luo, R., Men, Y., Niu, C., Peng, W., Qian, L., Song, L., Stern, D., Stockton, A., Sun, J., Wang, F., Wang, M., Wang, N., Wang, W. Y., Wu, X. F., Xiao, S., Xiong, S. L., Xu, Y. H., Xu, R. X., Yang, J., Yang, X., Yao, R., Yi, Q., Yue, Y., Yu, D., Yu, W., Yuan, J., Zhang, B., Zhang, S., Zhang, S., Zhao, Y., Zheng, W., Zhu, Y., & Zou, J., 2022, *Nature*, 609, 685.
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- P330 "Gaia GraL: Gaia DR2 Gravitational Lens Systems. VII. XMM-Newton Observations of Lensed Quasars", Connor, T., Stern, D., Krone-Martins, A., Djorgovski, S. G., Graham,

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- P316 "Physical Parameters of Northern Eclipsing Binaries in the Catalina Sky Survey", A. Papageorgiou, M. Catelan, P.-E. Christopoulou, A. J. Drake, & S. G. Djorgovski 2019, *Astrophys. J. Suppl. Ser.*, 242, 6.
- P315 "A MegaCam Survey of Outer Halo Satellites. VII. A Single Sérsic Index v/s Effective Radius Relation for Milky Way Outer Halo Satellites", S. Marchi-Lasch, R. Muñoz, F. Santana, J. Carballo-Bello, J. Chanamé, M. Geha, J. Simon, P. Stetson, & S. G. Djorgovski 2019, *Astrophys. J.*, 874, 29.
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- About 250 published abstracts
- Over 600 Astronomer's Telegrams, IAUC or CBET circulars, and GCN notices
- Over 100 published data sets / catalogs
- Over 17,000 electronically published transient events
- Several sky surveys databases

Patents:

- S. G. Djorgovski, C. Donalek, S. Davidoff, V. Estrada, U.S. Patent No. 9665988 B2, "Systems and Methods for Data Visualization Using Three-Dimensional Displays" (2017).

S. G. Djorgovski, C. Donalek, S. Davidoff, V. Estrada, U.S. Patent No. 10417812 B2, "Systems and Methods for Data Visualization Using Three-Dimensional Displays" (2019).