

## Michael Parker – Publication List

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Publication list generated from ADS query for ORCID 0000-0002-8466-7317  
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96 total records found, with 2010 total citations, h-index of 27.

### 2020 Lead author:

- *Modelling X-ray RMS spectra I: intrinsically variable AGNs*  
**Parker, M. L.**; Alston, W. N.; Igo, Z.; Fabian, A. C.  
Monthly Notices of the Royal Astronomical Society, 492, 1363  
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### Co-author:

- *XMM-Newton campaign on ultraluminous X-ray source NGC 1313 X-1: wind versus state variability*  
Pinto, C.; Walton, D. J.; Kara, E.; **Parker, M. L.**; Soria, R.; Kosec, P.; Middleton, M. J.; Alston, W. N.; Fabian, A. C.; Guainazzi, M.; Roberts, T. P.; Fuerst, F.; Earnshaw, H. P.; Sathyaprakash, R.; Barret, D.  
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- *Searching for Ultra-fast Outflows in AGN using Variability Spectra*  
Igo, Z.; **Parker, M. L.**; Matzeu, G. A.; Alston, W.; Alvarez Crespo, N.; Fürst, F.; Buisson, D. J. K.; Lobban, A.; Joyce, A. M.; Mallick, L.; Schartel, N.; Santos-Lleó, M.  
Monthly Notices of the Royal Astronomical Society, 247
- *A dynamic black hole corona in an active galaxy through X-ray reverberation mapping*  
Alston, William N.; Fabian, Andrew C.; Kara, Erin; **Parker, Michael L.**; Dovciak, Michal; Pinto, Ciro; Jiang, Jiachen; Middleton, Matthew J.; Miniutti, Giovanni; Walton, Dominic J.; Wilkins, Dan R.; Buisson, Douglas J. K.; Caballero-Garcia, Maria D.; Cackett, Edward M.; De Marco, Barbara; Gallo, Luigi C.; Lohfink, Anne M.; Reynolds, Chris S.; Uttley, Phil; Young, Andrew J.; Zoghbi, Abderahmen  
Nature Astronomy, 2
- *A NuSTAR view of GRS 1716-249 in the hard and intermediate states*  
Jiang, Jiachen; Fürst, Felix; Walton, Dominic J.; **Parker, Michael L.**; Fabian, Andrew C.  
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### 2019 Lead author:

- *X-ray spectra reveal the reawakening of the repeat changing-look AGN NGC 1566*  
**Parker, M. L.**; Schartel, N.; Grupe, D.; Komossa, S.; Harrison, F.; Kollatschny, W.; Mikula, R.; Santos-Lleó, M.; Tomás, L.  
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- *XRB continuum fitting with sensitive high-energy X-ray detectors*  
**Parker, M. L.**; Buisson, D. J. K.; Tomsick, J. A.; Fabian, A. C.; Madsen, K. K.; Walton, D. J.; Fürst, F.  
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- *The nuclear environment of the NLS1 Mrk 335: Obscuration of the X-ray line emission by a variable outflow*  
**Parker, M. L.**; Longinotti, A. L.; Schartel, N.; Grupe, D.; Komossa, S.; Kriss, G.; Fabian, A. C.; Gallo, L.; Harrison, F. A.; Jiang, J.; Kara, E.; Krongold, Y.; Matzeu, G. A.; Pinto, C.; Santos-Lleó, M.  
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**Co-author:**

- *General Physical Properties of Gamma-Ray-emitting Narrow-line Seyfert 1 Galaxies*  
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- *The remarkable X-ray variability of IRAS 13224-3809 - I. The variability process*  
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- *Evidence for an emerging disc wind and collimated outflow during an X-ray flare in the narrow-line Seyfert 1 galaxy Mrk 335*  
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- *High-density reflection spectroscopy: I. A case study of GX 339-4*  
 Jiang, Jiachen; Fabian, Andrew C.; Wang, Jingyi; Walton, Dominic J.; García, Javier A.; **Parker, Michael L.**; Steiner, James F.; Tomsick, John A.  
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- *Evidence for a clumpy disc-wind in the star-forming Seyfert 2 galaxy MCG-03-58-007*  
Matzeu, G. A.; Braitto, V.; Reeves, J. N.; Severgnini, P.; Ballo, L.; Caccianiga, A.; Campana, S.; Cicone, C.; Della Ceca, R.; **Parker, M. L.**; Santos-Lleó, M.; Schartel, N.  
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- *A relativistic disc reflection model for 1H0419-577: Multi-epoch spectral analysis with XMM-Newton and NuSTAR*  
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Longinotti, Anna Lia; Kriss, Gerard; Krongold, Yair; Arellano-Cordova, Karla Z.; Komossa, S.; Gallo, Luigi; Grupe, Dirk; Mathur, Smita; **Parker, Michael L.**; Pradhan, Anil; Wilkins, Dan  
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- *Swift, NuStar, and XMM-Newton observations of the NLS1 galaxy RX J2317.8-4422 in an extreme X-ray low flux state*  
Grupe, Dirk; Komossa, S.; Gallo, Luigi; Schartel, Norbert; **Parker, Michael**; Santos-Lleo, Maria; Fabian, Andrew C.; Harrison, Fiona; Miniutti, Giovanni  
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- *High Density Reflection Spectroscopy - II. The density of the inner black hole accretion disc in AGN*  
Jiang, Jiachen; Fabian, Andrew C.; Dauser, Thomas; Gallo, Luigi; García, Javier A.; Kara, Erin; **Parker, Michael L.**; Tomsick, John A.; Walton, Dominic J.; Reynolds, Christopher S.  
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- *MAXI J1820+070 with NuSTAR I. An increase in variability frequency but a stable reflection spectrum: coronal properties and implications for the inner disc in black hole binaries*  
Buisson, D. J. K.; Fabian, A. C.; Barret, D.; Fürst, F.; Gandhi, P.; García, J. A.; Kara, E.; Madsen, K. K.; Miller, J. M.; **Parker, M. L.**; Shaw, A. W.; Tomsick, J. A.; Walton, D. J.  
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Garcia, Javier; Bachetti, Matteo; Ballantyne, David R.; Brenneman, Laura; Brightman, Murray; Connors, Riley M.; Dauser, Thomas; Fabian, Andrew; Fuerst, Felix; Gandhi, Poshak; Kamraj, Nikita; Kara, Erin; Madsen, Kristin; Miller, Jon M.; Nowak, Michael; **Parker, Michael L.**; Reynolds, Christopher; Steiner, James; Stern, Daniel; Taylor, Corbin; Tomsick, John; Walton, Dominic; Wilms, Joern; Zoghbi, Abderahmen  
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- *CIELO-RGS: a catalog of soft X-ray ionized emission lines*  
Mao, Junjie; Kaastra, Jelle S.; Guainazzi, Matteo; González-Riestra, Rosario; Santos-Lleó, Maria; Kretschmar, Peter; Grinberg, Victoria; Kalfountzou, Eleni; Ibarra, Aitor; Matzeu, Gabi; **Parker, Michael**; Rodríguez-Pascual, Pedro  
Astronomy and Astrophysics, 625, A122
  
- *Swift catches the changing-look AGN NGC 1566 in an X-ray outburst again*  
Grupe, Dirk; Mikula, Rebecca; Komossa, S.; Kochanek, Christopher; Stanek, K. Z.; Shappee, Ben; Payne, Anna; Armstrong, James; Auchettl, Katie; Schartel, Norbert; **Parker, Michael**; Dai, Xinyu  
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- *Swift follow-up observations of the flaring QSO Gaia19bsj*  
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- *Swift catches Changing Look AGN IRAS 23226-3843 in outburst*  
Grupe, Dirk; Komossa, S.; Schartel, Norbert; **Parker, Michael**; Kollatschny, Wolfram; Ochmann, Martin W.; Colmenero, Encarni Romero  
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2018 **Lead author:**

- *A high-velocity component to the complex absorption in IRAS 13349+2438*  
**Parker, M. L.**; Matzeu, G. A.; Guainazzi, M.; Kalfountzou, E.; Miniutti, G.; Santos-Lleó, M.; Schartel, N.  
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- *Constraining the geometry of AGN outflows with reflection spectroscopy*  
**Parker, M. L.**; Buisson, D. J. K.; Jiang, J.; Gallo, L. C.; Kara, E.; Matzeu, G. A.; Walton, D. J.  
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- *X-ray reflection from the inner disc of the AGN Ton S180*  
**Parker, M. L.**; Miller, J. M.; Fabian, A. C.  
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- *Using principal component analysis to understand the variability of PDS 456*  
**Parker, M. L.**; Reeves, J. N.; Matzeu, G. A.; Buisson, D. J. K.; Fabian, A. C.  
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- *Relativistic spectroscopy of the extreme NLS1 IRAS 13224-3809*  
**Parker, M. L.**; Alston, W. N.; Buisson, D. J. k.; Fabian, A. C.; Jiang, J.; Pinto, C.;  
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- *The 1.5 Ms observing campaign on IRAS 13224-3809 - I. X-ray spectral analysis*  
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- *Alternative Explanations for Extreme Supersolar Iron Abundances Inferred from the  
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- *Reflection Spectra of the Black Hole Binary Candidate MAXI J1535-571 in the Hard  
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- *Is there a UV/X-ray connection in IRAS 13224-3809?*  
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- *NuSTAR observations of Mrk 766: distinguishing reflection from absorption*  
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- *Disentangling the complex broad-band X-ray spectrum of IRAS 13197-1627 with NuSTAR, XMM-Newton and Suzaku*  
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- *MAXI J1727-203 Transition to the Hard State*  
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**2017 Lead author:**

- *The response of relativistic outflowing gas to the inner accretion disk of a black hole*  
**Parker, Michael L.**; Pinto, Ciro; Fabian, Andrew C.; Lohfink, Anne; Buisson, Douglas J. K.; Alston, William N.; Kara, Erin; Cackett, Edward M.; Chiang, Chia-Ying; Dauser, Thomas; De Marco, Barbara; Gallo, Luigi C.; Garcia, Javier; Harrison, Fiona A.; King, Ashley L.; Middleton, Matthew J.; Miller, Jon M.; Miniutti, Giovanni; Reynolds, Christopher S.; Uttley, Phil; Vasudevan, Ranjan; Walton, Dominic J.; Wilkins, Daniel R.; Zoghbi, Abderahmen  
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- *Revealing the ultrafast outflow in IRAS 13224-3809 through spectral variability*  
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- *A strongly truncated inner accretion disc in the Rapid Burster*  
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- *NuSTAR and Swift Observations of the Very High State in GX 339-4: Weighing the Black Hole with X-Rays*  
**Parker, M. L.**; Tomsick, J. A.; Kennea, J. A.; Miller, J. M.; Harrison, F. A.; Barret, D.; Boggs, S. E.; Christensen, F. E.; Craig, W. W.; Fabian, A. C.; Fürst, F.; Grinberg, V.; Hailey, C. J.; Romano, P.; Stern, D.; Walton, D. J.; Zhang, W. W.  
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- *Broadband Observations of High Redshift Blazars*  
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