

dr hab. ŁUKASZ STAWARZ
LIST OF REFEREED PUBLICATIONS

total refereed publications = 356; total citations = 27,179; H-index = 81
(as of March 2023, according to the SAO/NASA Astrophysics Data System [ADS])

2023

356. Migliori, G., Siemiginowska, A., Sobolewska, M., Cheung, C. C., **Stawarz, Ł.**, Schwartz, D., Snios, B., Saxena, A., Kashyap, V.
'The extremely X-ray luminous quasar CFHQS J142952+544717 at $z = 6.18$ under Chandra high-angular resolution lens'
2023, Monthly Notices of the Royal Astronomical Society, submitted
355. Rałowski, M., Hryniewicz, K., Pollo, A., & **Stawarz, Ł.**
'Covering factor in AGNs: evolution versus selection'
2023, Astronomy & Astrophysics, submitted
354. Kosmaczewski, E., **Stawarz, Ł.**, Cheung, C.C., Bamba, A., Karska, A., Rocha, W.R.M.
'Multiwavelength Survey of Dark Globule DC 314.8-5.1: Point Source Identification and Diffuse Emission Characterization'
2023, the Astrophysical Journal, submitted (arXiv:2209.02372)
353. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'HESS J1809-193: a halo of escaped electrons around a pulsar wind nebula?'
2022, Astronomy & Astrophysics, in press (arXiv:2302.13663)
352. Sobolewska, M., Siemiginowska, A., Migliori, G., Ostorero, L., & **Stawarz, Ł.**
'Environment and X-ray variability of Compact Symmetric Objects unveiled with XMM-Newton and NuSTAR'
2023, the Astrophysical Journal, in press
351. Wójtowicz, A., **Stawarz, Ł.**, Cheung, C.C., Werner, N., & Rudka, D.
'Radio Emission of Nearby Early-type Galaxies at Low and Very-Low Radio Luminosity Range'
2023, the Astrophysical Journal, 944, 195
350. Król, D. L., **Stawarz, Ł.**, Krzesiński, J., & Cheung, C. C.
'Gravitational Microlensing Events in the Optical Lightcurve of Active Galaxy S5 0716+714'
2023, the Astrophysical Journal, 943, 171

2022

349. Abe, H., et al. [for the H.E.S.S. Collaboration]
'Gamma-ray observations of MAXI J1820+070 during the 2018 outburst'
2022, Monthly Notices of the Royal Astronomical Society, 517, 4736
348. Thimmappa, R., **Stawarz, Ł.**, Neilsen, J., Ostrowski, M., & Reville, B.
'X-ray Spectral Analysis of the Jet Termination Shock in Pictor A on Sub-Arcsecond Scales with Chandra'
2022, the Astrophysical Journal, 941, 204
347. Sobolewska, M., Migliori, G., Ostorero, L., Siemiginowska, A., **Stawarz, Ł.**, et al.
'The Origin of High Energy Emission in the Young Radio Source PKS 1718-649'
2022, the Astrophysical Journal, 941, 52

346. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'A deep spectromorphological study of the γ -ray emission surrounding the young massive stellar cluster Westerlund 1'
 2022, *Astronomy & Astrophysics*, 666, A124
345. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'Search for dark matter annihilation signals in the H.E.S.S. Inner Galaxy Survey'
 2022, *Physical Review Letters*, 129, 111101
344. Zdziarski, A. A., **Stawarz, L.**, Sikora, M., & Nalewajko
'A simple analytical model of magnetic jets'
 2022, *Monthly Notices of the Royal Astronomical Society*, 515, L17
343. Kosmaczewski, E., **Stawarz, L.**, Rocha, W.R.M., Shenoy, S.S., & Karska, A.
'Spectroscopic Diagnostics of the Mid-infrared Features of the Dark Globule DC 314.8-5.1 with the Spitzer Space Telescope'
 2022, *the Astrophysical Journal*, 934, 94
342. Markowitz, A. G., Nalewajko, K., Bhatta, G., Dewangan, G. C., et al.
'Rapid X-ray Variability in Mkn 421 during a Multiwavelength Campaign'
 2022, *Monthly Notices of the Royal Astronomical Society*, 513, 1662
341. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'Evidence for γ -ray emission from the remnant of Kepler's SN based on deep H.E.S.S. observations'
 2022, *Astronomy & Astrophysics*, 662, A65
340. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'Time-resolved hadronic particle acceleration in the recurrent nova RS Ophiuchi'
 2022, *Science*, 376, 77
339. Król, D. L., **Stawarz, L.**, Begelman, M. C., Marti, J.-M., Perucho, M., & Petrenko, B. A.
'Magnetization of Relativistic Current-Carrying Jets with Radial Velocity Shear'
 2022, *the Astrophysical Journal*, 929, 181
338. Goyal, A., Soida, M., **Stawarz, L.**, Wiita, P. J., Nilsson, K., et al.
'Multiwavelength variability power spectrum analysis of the blazars 3C 279 and PKS 1510-089 on multiple timescales'
 2022, *the Astrophysical Journal*, 927, 214

2021

337. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'H.E.S.S. follow-up observations of Binary Black Hole Coalescence events during the second and third Gravitational Waves observing runs of Advanced LIGO and Advanced Virgo'
 2021, *the Astrophysical Journal*, 923, 109
336. Wójtowicz, A., **Stawarz, L.**, Machalski, J., & Ostorero, L.
'A Novel Method for Estimating the Ambient Medium Density Around Distant Radio Sources from Their Observed Radio Spectra'
 2021, *the Astrophysical Journal*, 922, 197
335. Balasubramaniam, K., **Stawarz, L.**, Cheung, C. C., Sobolewska, M., Marchenko, Thimmappa, R., Król, D.L., Migliori, G. & Siemiginowska, A.
'X-ray Emission of the γ -ray Loud Young Radio Galaxy NGC 3894'
 2021, *the Astrophysical Journal*, 922, 84
334. Thimmappa, R., **Stawarz, L.**, Pajdosz-Śmierciak, U., Balasubramaniam, K., & Marchenko, V.
'Complex Structure of the Eastern Lobe of the Pictor A Radio Galaxy: Spectral Analysis and X-ray/Radio

Correlations

2021, the Astrophysical Journal, 921, 44

333. Kosmaczewski, E., **Stawarz, L.**, Cheung, C. C., Koziel-Wierzbowska, D., Marchenko, V., Ostorero, L., Siemiginowska, A., Sobolewska, M., & Wójtowicz, A.
‘Mid-infrared properties of a sample of the most compact radio galaxies’
2021, Astronomische Nachrichten, 342, 1102
332. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘LMC N132D: A mature supernova remnant with a power-law γ -ray spectrum extending beyond 8 TeV’
2021, Astronomy & Astrophysics, 655, A7
331. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Searching for TeV Gamma-Ray Emission from SGR 1935+2154 during Its 2020 X-Ray and Radio Bursting Phase’
2021, the Astrophysical Journal, 919, 106
330. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Search for Dark Matter Annihilation Signals from Unidentified Fermi-LAT Objects with H.E.S.S.’
2021, the Astrophysical Journal, 918, 17
329. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Evidence of 100 TeV γ -ray emission from HESS J1702-420: A new PeVatron candidate’
2021, Astronomy & Astrophysics, 653, A152
328. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.’
2021, the Astrophysical Journal, 917, 6
327. Abe, K., et al. [for the Hyper-Kamiokande Collaboration]
‘Supernova Model Discrimination with Hyper-Kamiokande’
2021, the Astrophysical Journal, 916, 15
326. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Revealing x-ray and gamma-ray temporal and spectral similarities in the GRB 190829A afterglow’
2021, Science, 372, 1081
325. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Search for dark matter annihilation in the Wolf-Lundmark-Melotte dwarf irregular galaxy with H.E.S.S.’
2021, Physical Review D, 103, 102002
324. Algaba, J. C., et al. [for the H.E.S.S. Collaboration]
‘Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign’
2021, The Astrophysical Journal Letters, 911, L11
323. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘H.E.S.S. and MAGIC observations of a sudden cessation of a very-high-energy γ -ray flare in PKS 1510-089 in May 2016’
2021, Astronomy & Astrophysics, 648, A23

2020

322. Balasubramaniam, K., **Stawarz, L.**, Marchenko, V., Sobolewska, M., Cheung, C. C., Siemiginowska, A., Thimmappa, R., & Kosmaczewski, E.
‘Chandra View of the LINER-type Nucleus in the Radio-Loud Galaxy CGCG 292-057: Ionized Iron Line and Jet-ISM Interactions’
2020, the Astrophysical Journal, 905, 148

321. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'An extreme particle accelerator in the Galactic plane: HESS J1826–130'
 2020, *Astronomy & Astrophysics*, 644, A112
320. Thimmappa, R., **Stawarz, L.**, Marchenko, V., Balasubramaniam, K., Cheung, C.C., & Siemiginowska, A.
'Chandra Imaging of the Western Hotspot in the Radio Galaxy Pictor A: Image Deconvolution and Variability Analysis'
 2020, *the Astrophysical Journal*, 903, 109
319. Król, D.L., Marchenko, V., Ostrowski, M., & **Stawarz, L.**
'An Analysis of Soft X-ray Structures at Kpc Distances from the Active Nucleus of Cen A Galaxy'
 2020, *the Astrophysical Journal*, 903, 107
318. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Search for dark matter signals towards a selection of recently-detected DES dwarf galaxy satellites of the Milky Way with H.E.S.S.'
 2020, *Physical Review D*, 102, 062001
317. Snios, B., Siemiginowska, A., Sobolewska, M., Cheung, C. C., Kashyap, V., Migliori, G., Schwartz, D.A., **Stawarz, L.**, & Worrall, D.M.
'X-ray Properties of Young Radio Quasars at $z > 4.5$ '
 2020, *the Astrophysical Journal*, 899, 127
316. Kosmaczewski, E., **Stawarz, L.**, Siemiginowska, A., Cheung, C. C., Ostorero, L., Sobolewska, M., Koziel-Wierzbowska, D., Wójtowicz, A., & Marchenko, V.
'Mid-Infrared Diagnostics of the Circumnuclear Environments of the Youngest Radio Galaxies'
 2020, *the Astrophysical Journal*, 897, 164
315. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Simultaneous observations of the blazar PKS 2155–304 from ultra-violet to TeV energies'
 2020, *Astronomy & Astrophysics*, 639, 42
314. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Resolving acceleration to very high energies along the jet of Centaurus A'
 2020, *Nature*, 582, 356
313. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Probing the Magnetic Field in the GW170817 Outflow Using H.E.S.S. Observations'
 2020, *The Astrophysical Journal Letters*, 894, L16
312. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Very high energy γ -ray emission from two blazars of unknown redshift and upper limits on their distance'
 2020, *Monthly Notices of the Royal Astronomical Society*, 494, 5590
311. Wójtowicz, A., **Stawarz, L.**, Cheung, C. C., Ostorero, L., Kosmaczewski, E., & Siemiginowska, A.
'On the Jet Production Efficiency in a Sample of the Youngest Radio Galaxies'
 2020, *the Astrophysical Journal*, 892, 116
310. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Detection of very-high-energy γ -ray emission from the colliding wind binary η Car with H.E.S.S.'
 2020, *Astronomy & Astrophysics*, 635, 167
309. Pasierb, M., Goyal, A., Ostrowski, M., **Stawarz, L.**, Wiita, P. J., et al.
'Multiband optical flux density and polarization microvariability study of optically bright blazars'
 2020, *Monthly Notices of the Royal Astronomical Society*, 492, 1295
308. Żywucka, N., Tarnopolski, M., Böttcher, M., **Stawarz, L.**, Marchenko, & V.
'Optical Variability Modeling of Newly Identified Blazar Candidates behind Magellanic Clouds'
 2020, *the Astrophysical Journal*, 888, 107

307. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'H.E.S.S. detection of very high-energy γ -ray emission from the quasar PKS 0736+017'
 2020, *Astronomy & Astrophysics*, 633, 162
306. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'H.E.S.S. and Fermi-LAT observations of PSR B1259-63/LS 2883 during its 2014 and 2017 periastron passages'
 2020, *Astronomy & Astrophysics*, 633, 102
305. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Resolving the Crab pulsar wind nebula at teraelectronvolt energies'
 2020, *Nature Astronomy*, 4, 167

2019

304. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'A very-high-energy component deep in the γ -ray burst afterglow'
 2019, *Nature*, 575, 464
303. Sobolewska, M., Siemiginowska, A., Guainazzi, M., Hardcastle, M., Migliori, G., Ostorero, L., & **Stawarz, L.**
'First Hard X-Ray Observation of a Compact Symmetric Object: A Broadband X-Ray Study of a Radio Galaxy OQ+208 with NuSTAR and Chandra'
 2019, *the Astrophysical Journal*, 884, 166
302. Acharyya, A., et al. [for the CTA Consortium]
'Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout'
 2019, *Astroparticle Physics*, 111, 35
301. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'H.E.S.S. observations of the flaring gravitationally lensed galaxy PKS 1830-211'
 2019, *Monthly Notices of the Royal Astronomical Society*, 486, 3886
300. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Constraints on the emission region of 3C 279 during strong flares in 2014 and 2015 through VHE γ -ray observations with H.E.S.S.'
 2019, *Astronomy & Astrophysics*, 627, 159
299. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'H.E.S.S. and Suzaku observations of the Vela X pulsar wind nebula'
 2019, *Astronomy & Astrophysics*, 627, 100
298. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Upper Limits on Very-High-Energy γ -ray Emission from Core-Collapse Supernovae Observed with H.E.S.S.'
 2019, *Astronomy & Astrophysics*, 626, 57
297. Zdziarski, A.A., **Stawarz, L.**, & Sikora, M.
'The effect of adiabatic losses on spectra of stationary jets and the origin of soft radio spectra of accreting black hole sources'
 2019, *Monthly Notices of the Royal Astronomical Society*, 485, 1210
296. Gupta, A.C., Gaur, H., Wiita, P.J., Pandey, A., Kushwaha, P., Hu, S.M., Kurtanidze, et al.
'Characterizing Optical Variability of OJ 287 in 2016-2017'
 2019, *the Astronomical Journal*, 157, 95
295. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'VHE γ -ray discovery and multi-wavelength study of the blazar 1ES 2322-409'
 2019, *Monthly Notices of the Royal Astronomical Society*, 482, 3011

294. Sobolewska, M., Siemiginowska, A., Guainazzi, M., Hardcastle, M., Migliori, G., Ostorero, L., & **Stawarz, Ł.**
‘The Impact of the Environment on the Early Stages of Radio Source Evolution’
 2019, the Astrophysical Journal, 871, 71
293. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘The 2014 TeV γ -Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation’
 2019, the Astrophysical Journal, 870, 93
292. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Particle Transport within the Pulsar Wind Nebula HESS J1825-137’
 2019, Astronomy & Astrophysics, 621, 116

2018

291. Aharonian, F., et al. [for the *Hitomi* Collaboration]
‘Detection of polarized γ -ray emission from the Crab nebula with Hitomi Soft Gamma-ray Detector’
 2018, Publications of the Astronomical Society of Japan, 70, 113
290. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘First Ground-based Measurement of Sub-20 GeV to 100 GeV γ -rays from the Vela Pulsar with H.E.S.S. II’
 2018, Astronomy & Astrophysics, 620, 66
289. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Searches for γ -ray lines and ‘pure WIMP’ spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.’
 2018, The Journal of Cosmology and Astroparticle Physics, 11, 037
288. Pajdosz-Śmierciak, U., Jamrozy, M., Soida, M., & **Stawarz, Ł.**
‘Megaparsec-Scale radio Structure Associated with a Hybrid Blazar SBS B1646+499: Episodic jet Activity with Precessing Axis’
 2018, the Astrophysical Journal, 868, 64
287. Żywucka, N., Goyal, A., Jamrozy, M., **Stawarz, Ł.**, Ostrowski, M., Kozłowski, S., & Udalski, A.
‘Identification of Blazars Candidates Behind Small and Large Magellanic Clouds’
 2018, the Astrophysical Journal, 867, 131
286. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘The γ -ray spectrum of the core of Centaurus A as observed with H.E.S.S. and Fermi-LAT’
 2018, Astronomy & Astrophysics, 619, 71
285. Bhatta, G., **Stawarz, Ł.**, Markowitz, A., Balasubramaniam, K., Zola, S., Zdziarski, A.A., Jamrozy, M., Ostrowski, M., Kuzmich, A., Ogłóza, W., Drózdź, M., Siwak, M., Koziel-Wierzbowska, D., Debski, B., Kundera, T., Stachowski, G., Machalski, J., Paliya, V.S., & Caton, D.B.
‘Signatures of the Disk-Jet Coupling in the Broad-line Radio Quasar 4C+74.26’
 2018, the Astrophysical Journal, 866, 132
284. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT’
 2018, Astronomy & Astrophysics, 617, 73
283. Goyal, A., **Stawarz, Ł.**, Zola, S., Marchenko, V., Soida, M., Nilsson, K., Ciprini, S., et al.
‘Stochastic modeling of multiwavelength variability of the classical BL Lac object OJ 287 on timescales ranging from decades to hours’
 2018, the Astrophysical Journal, 863, 175
282. Aharonian, F., et al. [for the *Hitomi* Collaboration]
‘Hitomi X-ray Observation of the Pulsar Wind Nebula G21.5–0.9’
 2018, Publications of the Astronomical Society of Japan, 70, 38

281. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Search for γ -ray line signals from dark matter annihilations in the inner Galactic halo from ten years of observations with H.E.S.S.’
 2018, Physical Review Letters, 120, 201101
280. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘H.E.S.S. discovery of very high energy gamma-ray emission from PKS 0625–354’
 2018, Monthly Notices of the Royal Astronomical Society, 476, 4187
279. Takahashi, T., et al. [for the *Hitomi* Collaboration]:
‘Hitomi (ASTRO-H) X-ray Astronomy Satellite’
 2018, Journal of Astronomical Telescopes, Instruments, and Systems, 4, 021402
278. Ahnen, M.L., et al. [for the H.E.S.S. Collaboration]
‘Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations’
 2018, Astronomy & Astrophysics, 612, 14
277. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘HESS J1741–302: a hidden accelerator in the Galactic plane’
 2018, Astronomy & Astrophysics, 612, 13
276. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway stars’
 2018, Astronomy & Astrophysics, 612, 12
275. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
*‘Extended VHE γ -ray emission towards SGR1806–20, LBV1806–20, and stellar cluster Cl*1806–20’*
 2018, Astronomy & Astrophysics, 612, 11
274. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘A search for very high-energy flares from the microquasars GRS 1915+105, Circinus X-1, and V4641 Sgr using contemporaneous H.E.S.S. and RXTE observations’
 2018, Astronomy & Astrophysics, 612, 10
273. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with H.E.S.S.’
 2018, Astronomy & Astrophysics, 612, 9
272. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘A search for new supernova remnant shells in the Galactic plane with H.E.S.S.’
 2018, Astronomy & Astrophysics, 612, 8
271. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Deeper H.E.S.S. Observations of Vela Junior (RX J0852.0–4622): Morphology Studies and Resolved Spectroscopy’
 2018, Astronomy & Astrophysics, 612, 7
270. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘H.E.S.S. observations of RX J1713.7–3946 with improved angular and spectral resolution; evidence for gamma-ray emission extending beyond the X-ray emitting shell’
 2018, Astronomy & Astrophysics, 612, 6
269. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘The supernova remnant W49B as seen with H.E.S.S. and Fermi-LAT’
 2018, Astronomy & Astrophysics, 612, 5
268. Abramowski, A., et al. [for the H.E.S.S. Collaboration]
‘Detailed spectral and morphological analysis of the shell type SNR RCW 86’
 2018, Astronomy & Astrophysics, 612, 4

267. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Population study of Galactic supernova remnants at very high γ -ray energies with H.E.S.S.'
 2018, *Astronomy & Astrophysics*, 612, 3
266. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'The Population of TeV Pulsar Wind Nebulae in the H.E.S.S. Galactic Plane Survey'
 2018, *Astronomy & Astrophysics*, 612, 2
265. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'The H.E.S.S. Galactic plane survey'
 2018, *Astronomy & Astrophysics*, 612, 1
264. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Glimpse of the highly obscured HMXB IGR J16318-4848 with Hitomi'
 2018, *Publications of the Astronomical Society of Japan*, 70, 17
263. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Hitomi Observations of the LMC SNR N132D: Highly Redshifted X-ray Emission from Iron Ejecta'
 2018, *Publications of the Astronomical Society of Japan*, 70, 16
262. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Hitomi X-ray studies of Giant Radio Pulses from the Crab pulsar'
 2018, *Publications of the Astronomical Society of Japan*, 70, 15
261. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Search for Thermal X-ray Features from the Crab nebula with Hitomi Soft X-ray Spectrometer'
 2018, *Publications of the Astronomical Society of Japan*, 70, 14
260. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Hitomi Observation of Radio Galaxy NGC 1275: The First X-ray Microcalorimeter Spectroscopy of Fe- $K\alpha$ Line Emission from an Active Galactic Nucleus'
 2018, *Publications of the Astronomical Society of Japan*, 70, 13
259. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Atomic data and spectral modeling constraints from high-resolution X-ray observations of the Perseus cluster with Hitomi'
 2018, *Publications of the Astronomical Society of Japan*, 70, 12
258. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Temperature Structure in the Perseus Cluster Core Observed with Hitomi'
 2018, *Publications of the Astronomical Society of Japan*, 70, 11
257. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Measurements of resonant scattering in the Perseus cluster core with Hitomi SXS'
 2018, *Publications of the Astronomical Society of Japan*, 70, 10
256. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Atmospheric gas dynamics in the Perseus cluster observed with Hitomi'
 2018, *Publications of the Astronomical Society of Japan*, 70, 9
255. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Detection of variable VHE γ -ray emission from the extra-galactic gamma-ray binary LMC P3'
 2018, *Astronomy & Astrophysics*, 610, L17

2017

254. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'TeV gamma-ray observations of the binary neutron star merger GW170817 with H.E.S.S.'
 2017, *the Astrophysical Journal Letters*, 850, L22

253. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Solar abundance ratios of the iron-peak elements in the Perseus cluster'
 2017, *Nature*, 551, 478
252. Żywucka, N., Goyal, A., Jamrozy, M., **Stawarz, Ł.**, Ostrowski, M., Kozłowski, S., & Udalski, A.
'Identification of the OGLE Blazars behind the Large and Small Magellanic Clouds'
 2017, *Galaxies*, 5, 88
251. Ostorero, L., Morganti, R., Diaferio, A., Siemiginowska, A., **Stawarz, Ł.**, Moderski, R., & Labiano, A.
'Correlation Between X-ray and Radio Absorption in Compact Radio Galaxies'
 2017, *the Astrophysical Journal*, 849, 34
250. Ajello, M., et al. [for the *Fermi*-LAT Collaboration]
'3FHL: The Third Catalog of Hard Fermi-LAT Sources'
 2017, *The Astrophysical Journal Supplement Series*, 232, 18
249. Abbott, B.P., et al. [for the H.E.S.S. Collaboration]
'Multi-messenger Observations of a Binary Neutron Star Merger'
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