Mariusz Tarnopolski

List of Publications by Year in descending order

25 papers	426 citations	623699 14 h-index	752679 20 g-index
26 all docs	26 docs citations	26 times ranked	441 citing authors

#	Article	IF	Citations
1	Graph-based clustering of gamma-ray bursts. Astronomy and Astrophysics, 2022, 657, A13.	5.1	6
2	Searching for signatures of chaos in Î³-ray light curves of selected Fermi-LAT blazars. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2750-2756.	4.4	2
3	A Comprehensive Power Spectral Density Analysis of Astronomical Time Series. II. The Swift/BAT Long Gamma-Ray Bursts. Astrophysical Journal, 2021, 911, 20.	4.5	16
4	How does the shape of gamma-ray burstsâ€™ pulses affect the duration distribution?. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1450-1457.	4.4	2
5	Rotation of an oblate satellite: Chaos control (Corrigendum). Astronomy and Astrophysics, 2021, 655, C1.	5.1	0
6	Optical Variability Modeling of Newly Identified Blazar Candidates behind Magellanic Clouds. Astrophysical Journal, 2020, 888, 107.	4.5	7
7	Can the Cosmological Dilation Explain the Skewness in the Gamma-Ray Burst Duration Distribution?. Astrophysical Journal, 2020, 897, 77.	4.5	5
8	A Comprehensive Power Spectral Density Analysis of Astronomical Time Series. I. The Fermi-LAT Gamma-Ray Light Curves of Selected Blazars. Astrophysical Journal, Supplement Series, 2020, 250, 1.	7.7	30
9	Analysis of the Durationâ€“Hardness Ratio Plane of Gamma-Ray Bursts Using Skewed Distributions. Astrophysical Journal, 2019, 870, 105.	4.5	34
10	Analytical representation of Gaussian processes in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="script">A</mml:mi><mml:mtext mathvariant="script">â^’</mml:mtext><mml:mi mathvariant="script">T</mml:mi></mml:mrow></mml:math> plane. Physical Review E, 2019, 100, 062144.	2.1	5
11	Multivariate Analysis of BATSE Gamma-Ray Burst Properties Using Skewed Distributions. Astrophysical Journal, 2019, 887, 97.	4.5	17
12	Correlation between the Hurst exponent and the maximal Lyapunov exponent: Examining some low-dimensional conservative maps. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 834-844.	2.6	14
13	Gamma-Ray Burst Prompt Correlations. Advances in Astronomy, 2018, 2018, 1-31.	1.1	45
14	Testing the anisotropy in the angular distribution of Fermi/GBM gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4819-4831.	4.4	19
15	Influence of a second satellite on the rotational dynamics of an oblate moon. Celestial Mechanics and Dynamical Astronomy, 2017, 127, 121-138.	1.4	26
16	Rotation of an oblate satellite: Chaos control. Astronomy and Astrophysics, 2017, 606, A43.	5.1	4
17	Analysis of gamma-ray burst duration distribution using mixtures of skewed distributions. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2024-2031.	4.4	29
18	On the relationship between the Hurst exponent, the ratio of the mean square successive difference to the variance, and the number of turning points. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 662-673.	2.6	35

#	Article	IF	Citations
19	Analysis of the observed and intrinsic durations of gamma-ray bursts with known redshift. Astrophysics and Space Science, 2016, 361, 1.	1.4	18
20	Analysis of the observed and intrinsic durations of Swift/BAT gamma-ray bursts. New Astronomy, 2016, 46, 54-59.	1.8	17
21	On Atwood's Machine with a Nonzero Mass String. Physics Teacher, 2015, 53, 494-496.	0.3	9
22	Analysis ofFermigamma-ray burst duration distribution. Astronomy and Astrophysics, 2015, 581, A29.	5.1	40
23	Nonlinear time-series analysis of Hyperionâ€™s lightcurves. Astrophysics and Space Science, 2015, 357, 1.	1.4	9
24	Distinguishing short and longFermigamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1132-1139.	4.4	17
25	On the limit between short and long GRBs. Astrophysics and Space Science, 2015, 359, 1.	1.4	20