Istvan Szapudi

List of Publications by Year
in descending order

38 papers	4,987 citations	623188 14 h-index	360668 35 g-index
40 all docs	40 docs citations	40 times ranked	3742 citing authors

#	Article	IF	Citations
1	Detection of the Baryon Acoustic Peak in the Large‐Scale Correlation Function of SDSS Luminous Red Galaxies. Astrophysical Journal, 2005, 633, 560-574.	1.6	3,564
2	The Luminosity and Color Dependence of the Galaxy Correlation Function. Astrophysical Journal, 2005, 630, 1-27.	1.6	653
3	An Imprint of Superstructures on the Microwave Background due to the Integrated Sachs-Wolfe Effect. Astrophysical Journal, 2008, 683, L99-L102.	1.6	216
4	Detection of a supervoid aligned with the cold spot of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2015, 450, 288-294.	1.6	69
5	Karhunen‐Loeve Estimation of the Power Spectrum Parameters from the Angular Distribution of Galaxies in Early Sloan Digital Sky Survey Data. Astrophysical Journal, 2003, 591, 1-11.	1.6	65
6	The monopole moment of the three-point correlation function of the two-degree Field Galaxy Redshift Survey. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1363-1370.	1.6	49
7	The lensing and temperature imprints of voids on the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3364-3375.	1.6	45
8	Concordance cosmology without dark energy. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 469, L1-L5.	1.2	42
9	Information content in the halo-model dark-matter power spectrum -- II. Multiple cosmological parameters. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 375, L51-L55.	1.2	41
10	PS1-STRM: neural network source classification and photometric redshift catalogue for PS1 3π DR1. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1633-1644.	1.6	32
11	Supervoids in the WISE–2MASS catalogue imprinting cold spots in the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1246-1256.	1.6	31
12	Cross-correlation of WISE galaxies with the cosmic microwave background. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 422, L77-L81.	1.2	27
13	The integrated Sachs–Wolfe effect in the AvERA cosmology. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3582-3591.	1.6	26
14	Galaxy bias and $\sigma 8$ from counts in cells from the SDSS main sample. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 498, L125-L129.	1.2	19
15	Density-dependent clustering – I. Pullingback the curtains on motions of the BAO peak. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2495-2504.	1.6	13
16	Evidence for a high-z ISW signal from supervoids in the distribution of eBOSS quasars. Monthly Notices of the Royal Astronomical Society, 2022, 513, 15-26.	1.6	13
17	On the total cosmological information in galaxy clustering: an analytical approach. Monthly Notices of the Royal Astronomical Society, 2015, 454, 560-568.	1.6	12
18	Baryon oscillations in galaxy and matter power-spectrum covariance matrices. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1221-1230.	1.6	11

#	Article	IF	Citations
19	A common explanation of the Hubble tension and anomalous cold spots in the CMB. Monthly Notices of the Royal Astronomical Society, 2020, 499, 320-333.	1.6	9
20	The variance and covariance of counts-in-cells probabilities. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3631-3639.	1.6	6
21	Heterogeneity in SIR epidemics modeling: superspreaders and herd immunity. Applied Network Science, 2020, 5, 93.	0.8	5
22	Phase statistics of the WMAP 7 year data. Astronomische Nachrichten, 2013, 334, 1020-1023.	0.6	4
23	Compactified cosmological simulations of the infinite universe. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1949-1957.	1.6	4
24	A two-state model for galaxy bias. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3449-3463.	1.6	4
25	StePS: A multi-GPU cosmological N-body Code for compactified simulations. Astronomy and Computing, 2019, 28, 100303.	0.8	3
26	Predicting the sufficient-statistics power spectrum for galaxy surveys: a recipe for $PA*(k)$. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4438-4452.	1.6	3
27	Does Gravity Fall Down? Evidence for Gravitational-wave Deflection along the Line of Sight to GW170817. Astrophysical Journal Letters, 2020, 890, L6.	3.0	3
28	Hawaii Two-0: high-redshift galaxy clustering and bias. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2318-2328.	1.6	3
29	The anisotropy of the power spectrum in periodic cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5638-5645.	1.6	3
30	Bird's Eye View of COVID-19, Mobility, and Labor Market Outcomes Across the US. Economics of Disasters and Climate Change, 2022, 6, 339-353.	1.3	3
31	Intensity correlation speckles as a technique for removing Doppler broadening. Physical Review A, 2021, 103, .	1.0	2
32	Indicator power spectra: surgical excision of non-linearities and covariance matrices for counts in cells. Monthly Notices of the Royal Astronomical Society, 2021, 509, 586-594.	1.6	2
33	WISE-PS1-STRM: neural network source classification and photometric redshifts for WISEÃ—PS1. Monthly Notices of the Royal Astronomical Society, 2022, 515, 4711-4721.	1.6	2
34	Holographic Quantum Statistics from Dual Thermodynamics. AIP Conference Proceedings, 2007, , .	0.3	1
35	A Supervoid Explanation of the Cosmic Microwave Background Cold Spot. Proceedings of the International Astronomical Union, 2014, 10, 153-155.	0.0	1
36	A redshift-distortion-free correlation function at third order in the non-linear regime. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1700-1708.	1.6	0

#	ARTICLE	IF	CITATIONS
37	Optimal observables in galaxy surveys. Proceedings of the International Astronomical Union, 2014, 10, 235-238.	0.0	0
38	Cosmic statistics of statistics: N-point correlations. Annals of the New York Academy of Sciences, 2001, 927, 94-101.	1.8	0