

Hoffman Yehuda

List of Publications by Year in descending order

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120
papers

6,104
citations

61984

43
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76900

74
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121
all docs

121
docs citations

121
times ranked

3250
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold and hot gas distribution around the Milky-Way + M31 system in the HESTIA simulations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3717-3737.	4.4	9
2	Estimation of the masses in the local group by gradient boosted decision trees. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2385-2393.	4.4	4
3	COWS: a filament finder for Hessian cosmic web identifiers. Monthly Notices of the Royal Astronomical Society, 2022, 514, 470-479.	4.4	4
4	Sum of the masses of the Milky Way and M31: A likelihood-free inference approach. Physical Review D, 2021, 103, .	4.7	19
5	From Cosmicflows distance moduli to unbiased distances and peculiar velocities. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3380-3392.	4.4	11
6	Cosmic Dawn II (CoDa II): a new radiation-hydrodynamics simulation of the self-consistent coupling of galaxy formation and reionization. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4087-4107.	4.4	89
7	The hestia project: simulations of the Local Group. Monthly Notices of the Royal Astronomical Society, 2020, 498, 2968-2983.	4.4	56
8	Cosmicflows-3: The South Pole Wall. Astrophysical Journal, 2020, 897, 133.	4.5	16
9	Cosmicflows-3: Two Distance+Velocity Calculators. Astronomical Journal, 2020, 159, 67.	4.7	54
10	Cosmicflows-3: Cosmography of the Local Void. Astrophysical Journal, 2019, 880, 24.	4.5	51
11	The orientation of planes of dwarf galaxies in the quasi-linear Universe. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3786-3792.	4.4	12
12	On the Mass Assembly History of the Local Group. Monthly Notices of the Royal Astronomical Society, 2019, . .	4.4	9
13	Tracing the cosmic web. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1195-1217.	4.4	187
14	Suppression of star formation in low-mass galaxies caused by the reionization of their local neighbourhood. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1740-1753.	4.4	39
15	Reionization of the Milky Way, M31, and their satellites + I. Reionization history and star formation. Monthly Notices of the Royal Astronomical Society, 2018, 477, 867-881.	4.4	11
16	The Inhomogeneous Reionization Times of Present-day Galaxies. Astrophysical Journal Letters, 2018, 856, L22.	8.3	31
17	The quasi-linear nearby Universe. Nature Astronomy, 2018, 2, 680-687.	10.1	23
18	The dipole repeller. Nature Astronomy, 2017, 1, .	10.1	62

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19	Cosmography and Data Visualization. Publications of the Astronomical Society of the Pacific, 2017, 129, 058002.	3.1	10
20	Constraining the mass of the Local Group. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4886-4894.	4.4	22
21	The Cosmic V-Web. Astrophysical Journal, 2017, 845, 55.	4.5	24
22	Action Dynamics of the Local Supercluster. Astrophysical Journal, 2017, 850, 207.	4.5	84
23	Cosmicflows-3: Cold Spot Repeller?. Astrophysical Journal Letters, 2017, 847, L6.	8.3	25
24	Universal subhalo accretion in cold and warm dark matter cosmologies. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4099-4109.	4.4	5
25	Towards an optimal sampling of peculiar velocity surveys for Wiener Filter reconstructions. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1812-1823.	4.4	11
26	The abundance and environment of dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2016, 460, 297-303.	4.4	3
27	The tangential velocity of M31: CLUES from constrained simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 460, L5-L9.	3.3	9
28	Goodness-of-fit analysis of the Cosmicflows-2 data base of velocities. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4176-4181.	4.4	7
29	Cosmic Dawn (CoDa): the first radiation-hydrodynamics simulation of reionization and galaxy formation in the Local Universe. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1462-1485.	4.4	163
30	Cosmicflows Constrained Local UniversE Simulations. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2078-2090.	4.4	72
31	How did the Virgo cluster form?. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2015-2024.	4.4	23
32	The alignment of galaxy spin with the shear field in observations. Monthly Notices of the Royal Astronomical Society, 2016, 457, 695-703.	4.4	48
33	Constrained Local UniversE Simulations: a Local Group factory. Monthly Notices of the Royal Astronomical Society, 2016, 458, 900-911.	4.4	42
34	THE ARROWHEAD MINI-SUPERCLUSTER OF GALAXIES. Astrophysical Journal, 2015, 812, 17.	4.5	23
35	Cosmic bulk flow and the local motion from Cosmicflows-2. Monthly Notices of the Royal Astronomical Society, 2015, 449, 4494-4505.	4.4	54
36	Planes of satellite galaxies and the cosmic web. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1052-1059.	4.4	88

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37	Filaments from the galaxy distribution and from the velocity field in the local universe. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 453, L108-L112.	3.3	18
38	Galaxy properties and the cosmic web in simulations. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1458-1468.	4.4	33
39	Cosmicflows-2. Proceedings of the International Astronomical Union, 2014, 11, 305-309.	0.0	0
40	The universal nature of subhalo accretion. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1274-1280.	4.4	72
41	Dark matter in the Local Universe. New Astronomy Reviews, 2014, 58, 1-18.	12.8	38
42	Simulations of the Local Universe constrained by observational peculiar velocities. Monthly Notices of the Royal Astronomical Society, 2014, 437, 3586-3595.	4.4	49
43	The Laniakea supercluster of galaxies. Nature, 2014, 513, 71-73.	27.8	235
44	COSMOGRAPHY OF THE LOCAL UNIVERSE. Astronomical Journal, 2013, 146, 69.	4.7	86
45	DWARF GALAXIES AND THE COSMIC WEB. Astrophysical Journal Letters, 2013, 763, L41.	8.3	94
46	Size matters: the non-universal density profile of subhaloes in SPH simulations and implications for the Milky Way's dSphs. Monthly Notices of the Royal Astronomical Society, 2013, 431, 1220-1229.	4.4	33
47	Reconstructing cosmological initial conditions from galaxy peculiar velocities – II. The effect of observational errors. Monthly Notices of the Royal Astronomical Society, 2013, 430, 902-911.	4.4	21
48	Cold versus Warm Dark Matter Simulations of a Galaxy Group. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	17
49	Reconstructing cosmological initial conditions from galaxy peculiar velocities – I. Reverse Zeldovich Approximation. Monthly Notices of the Royal Astronomical Society, 2013, 430, 888-901.	4.4	47
50	COSMIC VORTICITY AND THE ORIGIN HALO SPINS. Astrophysical Journal Letters, 2013, 766, L15.	8.3	53
51	Reconstructing cosmological initial conditions from galaxy peculiar velocities – III. Constrained simulations. Monthly Notices of the Royal Astronomical Society, 2013, 430, 912-923.	4.4	23
52	THREE-DIMENSIONAL VELOCITY AND DENSITY RECONSTRUCTIONS OF THE LOCAL UNIVERSE WITH COSMICFLOWS-1. Astrophysical Journal, 2012, 744, 43.	4.5	83
53	Cosmic structure and dynamics of the local Universe. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 427, L35-L39.	3.3	20
54	A kinematic classification of the cosmic web. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2049-2057.	4.4	139

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55	Estimating cosmic velocity fields from density fields and tidal tensors. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2422-2435.	4.4	33
56	The cosmic web and the orientation of angular momenta. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 421, L137-L141.	3.3	89
57	Applying scale-free mass estimators to the Local Group in Constrained Local Universe Simulations. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1883-1895.	4.4	14
58	THE DARK SIDE OF QSO FORMATION AT HIGH REDSHIFTS. Astrophysical Journal, 2011, 736, 66.	4.5	25
59	THE TEMPERATURE OF HOT GAS IN GALAXIES AND CLUSTERS: BARYONS DANCING TO THE TUNE OF DARK MATTER. Astrophysical Journal, 2011, 734, 62.	4.5	9
60	The preferred direction of infalling satellite galaxies in the Local Group. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1525-1535.	4.4	100
61	The luminosities of backsplash galaxies in constrained simulations of the Local Group. Monthly Notices of the Royal Astronomical Society, 2011, 412, 529-536.	4.4	47
62	Reionization of the Local Group of galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2093-2102.	4.4	22
63	The dark matter assembly of the Local Group in constrained cosmological simulations of a Λ cold dark matter universe. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1434-1443.	4.4	34
64	Renegade subhaloes in the Local Group. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 417, L56-L60.	3.3	31
65	Too small to succeed? Lighting up massive dark matter subhaloes of the Milky Way. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 417, L74-L78.	3.3	40
66	Disentangling the dark matter halo from the stellar halo. Monthly Notices of the Royal Astronomical Society, 2011, 418, 336-345.	4.4	32
67	DISSECTING GALAXY FORMATION. II. COMPARING SUBSTRUCTURE IN PURE DARK MATTER AND BARYONIC MODELS. Astrophysical Journal, 2010, 716, 1095-1104.	4.5	28
68	Constrained simulations of the Local Group: on the radial distribution of substructures. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1889-1897.	4.4	80
69	The grouping, merging and survival of subhaloes in the simulated Local Group. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1899-1910.	4.4	67
70	The impact of baryonic physics on the shape and radial alignment of substructures in cosmological dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	23
71	Constrained Local Universe Simulations (CLUES). , 2010, , 309-322.		16
72	DISSECTING GALAXY FORMATION. I. COMPARISON BETWEEN PURE DARK MATTER AND BARYONIC MODELS. Astrophysical Journal, 2009, 702, 1250-1267.	4.5	95

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73	Constrained simulations of the local universe - II. The nature of the local Hubble flow. Monthly Notices of the Royal Astronomical Society, 2009, 397, 2070-2080.	4.4	17
74	On the relation between the radial alignment of dark matter subhaloes and host mass in cosmological simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 386, L52-L56.	3.3	25
75	The local Hubble flow: is it a manifestation of dark energy?. Monthly Notices of the Royal Astronomical Society, 2008, 386, 390-396.	4.4	19
76	The distribution function of dark matter in massive haloes. Monthly Notices of the Royal Astronomical Society, 2008, 388, 815-828.	4.4	68
77	Phase-space density profiles in scale-free cosmologies. Monthly Notices of the Royal Astronomical Society, 2008, 391, 559-564.	4.4	11
78	Erasing Dark Matter Cusps in Cosmological Galactic Halos with Baryons. Astrophysical Journal, 2008, 685, L105-L108.	4.5	154
79	Dark Matter Halos: Velocity Anisotropyâ€“Density Slope Relation. Astrophysical Journal, 2008, 682, 835-840.	4.5	21
80	Disk Evolution and Bar Triggering Driven by Interactions with Dark Matter Substructure. Astrophysical Journal, 2008, 687, L13-L16.	4.5	64
81	The future of the local large scale structure: the roles of dark matter and dark energy. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 016-016.	5.4	20
82	Evolution of Characteristic Quantities for Dark Matter Halo Density Profiles. Astrophysical Journal, 2007, 657, 56-70.	4.5	33
83	Evolution of the Phaseâ€“Space Density in Dark Matter Halos. Astrophysical Journal, 2007, 671, 1108-1114.	4.5	44
84	Secondary infall and dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2007, 376, 393-404.	4.4	36
85	Constrained simulations of the local universe â€“ I. Mass and motion in the local volume. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1601-1608.	4.4	14
86	Constrained Cosmological Simulations of Dark Matter Halos. Astrophysical Journal, 2006, 637, L93-L96.	4.5	24
87	Imprints of mass accretion on properties of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1099-1108.	4.4	39
88	Cluster mass functions in the quintessential universe. Monthly Notices of the Royal Astronomical Society, 2004, 349, 595-602.	4.4	33
89	Flat-cored Dark Matter in Cuspy Clusters of Galaxies. Astrophysical Journal, 2004, 607, L75-L78.	4.5	168
90	The structure of voids. Monthly Notices of the Royal Astronomical Society, 2003, 344, 715-724.	4.4	166

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91	Constrained Simulations of the Real Universe: The Local Supercluster. <i>Astrophysical Journal</i> , 2003, 596, 19-33.	4.5	113
92	Simulations of the Local Universe. , 2003, , 399-409.		1
93	Testing tidal-torque theory - I. Spin amplitude and direction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 332, 325-338.	4.4	183
94	Testing tidal-torque theory - II. Alignment of inertia and shear and the characteristics of protohaloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 332, 339-351.	4.4	127
95	Constrained Simulations of the Real Universe. II. Observational Signatures of Intergalactic Gas in the Local Supercluster Region. <i>Astrophysical Journal</i> , 2002, 571, 563-575.	4.5	227
96	Dark Halos: The Flattening of the Density Cusp by Dynamical Friction. <i>Astrophysical Journal</i> , 2001, 560, 636-643.	4.5	317
97	Formation of Cuspy Density Profiles: A Generic Feature of Collisionless Gravitational Collapse. <i>Astrophysical Journal</i> , 2000, 542, L139-L142.	4.5	35
98	Wiener Reconstruction of Large-Scale Structure from Peculiar Velocities. <i>Astrophysical Journal</i> , 1999, 520, 413-425.	4.5	104
99	The shape of the LoTr 5 planetary nebula. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 305, 241-245.	4.4	2
100	From Local Velocities to Microwave Background. <i>Astrophysical Journal</i> , 1997, 490, 473-481.	4.5	7
101	Large-Scale Power Spectrum from Peculiar Velocities via Likelihood Analysis. <i>Astrophysical Journal</i> , 1997, 486, 21-31.	4.5	56
102	Clustering in Redshift Space: Linear Theory. <i>Astrophysical Journal</i> , 1996, 462, 25.	4.5	56
103	The Wiener-filtered COBE DMR Data and Predictions for the Tenerife Experiment. <i>Astrophysical Journal</i> , 1996, 464, 1.	4.5	54
104	The effects of incomplete sky coverage on the analysis of large angular scale microwave background anisotropy. <i>Astrophysical Journal</i> , 1994, 425, 359.	4.5	4
105	Wiener filtering of the COBE Differential Microwave Radiometer data. <i>Astrophysical Journal</i> , 1994, 432, L75.	4.5	42
106	Second-order perturbation theory in an expanding universe - Spherical harmonics expansion. <i>Astrophysical Journal</i> , 1993, 414, 20.	4.5	8
107	Gravitational Collapse in an Expanding Universe: Asymptotic Self-similar Solutions. <i>Astrophysical Journal</i> , 1993, 416, 410.	4.5	38
108	Constrained realizations of Gaussian fields - Reconstruction of the large-scale structure. <i>Astrophysical Journal</i> , 1993, 415, L5.	4.5	28

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109	Spherical harmonic analysis of IRAS galaxies: implications for the Great Attractor and Cold Dark Matter. Monthly Notices of the Royal Astronomical Society, 1992, 256, 229-237.	4.4	32
110	Primordial Gaussian perturbation fields - Constrained realizations. Astrophysical Journal, 1992, 384, 448.	4.5	36
111	The formation of giant low surface brightness galaxies. Astrophysical Journal, 1992, 388, L13.	4.5	51
112	Constrained realizations of Gaussian fields - A simple algorithm. Astrophysical Journal, 1991, 380, L5.	4.5	294
113	Local gravity and peculiar velocity - Probes of cosmological models. Astrophysical Journal, 1990, 352, 448.	4.5	18
114	Isocurvature baryon-dominated open universe - Structure of galactic halos. Astrophysical Journal, 1990, 357, L5.	4.5	0
115	Dynamics of superclusters - Reconciling $\Omega(0) = 1.0$ with observations?. Astrophysical Journal, 1989, 340, 69.	4.5	20
116	On the formation and structure of galactic halos. Astrophysical Journal, 1988, 328, 489.	4.5	23
117	Angular momentum, hierarchical clustering, and local density maxima. Astrophysical Journal, 1988, 329, 8.	4.5	17
118	Normalization, cold dark matter, and large-scale velocities. Astrophysical Journal, 1987, 318, L7.	4.5	3
119	The Large-Scale Structure: Bayesian Analysis and Beyond. , 0, , 223-235.		1
120	Hamiltonian Monte Carlo reconstruction from peculiar velocities. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	5