

Heikki Salo

List of Publications by Year in descending order

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41
papers

1,941
citations

430874

18
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>Spitzer</i> Survey of Stellar Structure in Galaxies. Publications of the Astronomical Society of the Pacific, 2010, 122, 1397-1414.	3.1	426
2	Multicomponent decompositions for a sample of S0 galaxies. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1319-1347.	4.4	189
3	Simulations of Dense Planetary Rings. Icarus, 1995, 117, 287-312.	2.5	179
4	The Fornax Deep Survey with VST. Astronomy and Astrophysics, 2017, 608, A142.	5.1	110
5	Self-Gravity Wake Structures in Saturn's A Ring Revealed by Cassini/VIMS. Astronomical Journal, 2007, 133, 2624-2629.	4.7	92
6	A belt of moonlets in Saturn's A ring. Nature, 2007, 449, 1019-1021.	27.8	91
7	Viscous Overstability in Saturn's B Ring I. Direct Simulations and Measurement of Transport Coefficients. Icarus, 2001, 153, 295-315.	2.5	89
8	The Fornax Deep Survey with the VST. Astronomy and Astrophysics, 2018, 620, A165.	5.1	79
9	Numerical simulations of dense collisional systems. Icarus, 1991, 90, 254-270.	2.5	73
10	Photometric modeling of Saturn's rings. Icarus, 2003, 164, 428-460.	2.5	69
11	Numerical simulations of dense collisional systems. Icarus, 1992, 96, 85-106.	2.5	68
12	Gravitational accretion of particles in Saturn's rings. Icarus, 2004, 172, 328-348.	2.5	54
13	A unified picture of breaks and truncations in spiral galaxies from SDSS and $S^{4}G$ imaging. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1102-1134.	4.4	53
14	The Fornax Deep Survey (FDS) with VST. Astronomy and Astrophysics, 2019, 625, A143.	5.1	52
15	HST observations of azimuthal asymmetry in Saturn's rings. Icarus, 2007, 189, 493-522.	2.5	43
16	Dynamics of Saturn's Dense Rings. , 2009, , 413-458.		34
17	Weakly Nonlinear Model for Oscillatory Instability in Saturn's Dense Rings. Physical Review Letters, 2003, 90, 061102.	7.8	32
18	Vertical structures induced by embedded moonlets in Saturn's rings. Icarus, 2015, 252, 400-414.	2.5	32

#	ARTICLE	IF	CITATIONS
19	The Fornax Deep Survey (FDS) with the VST. <i>Astronomy and Astrophysics</i> , 2021, 647, A100.	5.1	29
20	Boxy/Peanut/X-shaped Bulges: Steep Inner Rotation Curve Leads to Barless Face-on Morphology. <i>Astrophysical Journal</i> , 2017, 835, 252.	4.5	28
21	N-body simulations of viscous instability of planetary rings. <i>Icarus</i> , 2010, 206, 390-409.	2.5	19
22	Generalized theory of impacts in particulate systems. <i>Earth, Moon and Planets</i> , 1993, 62, 47-84.	0.6	17
23	The kinematics of local thick discs do not support an accretion origin. <i>Astronomy and Astrophysics</i> , 2019, 623, A89.	5.1	15
24	Spitzer/Infrared Array Camera near-infrared features in the outer parts of S4G galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 3015-3039.	4.4	14
25	Signatures of quenching in dwarf galaxies in local galaxy clusters. <i>Astronomy and Astrophysics</i> , 2021, 647, A80.	5.1	12
26	DYNAMICS OF SELF-GRAVITY WAKES IN DENSE PLANETARY RINGS. I. PITCH ANGLE. <i>Astrophysical Journal</i> , 2015, 812, 151.	4.5	9
27	The multifarious ionization sources and disturbed kinematics of extraplanar gas in five low-mass galaxies. <i>Astronomy and Astrophysics</i> , 2022, 659, A153.	5.1	8
28	A WEAKLY NONLINEAR MODEL FOR THE DAMPING OF RESONANTLY FORCED DENSITY WAVES IN DENSE PLANETARY RINGS. <i>Astrophysical Journal</i> , 2016, 829, 75.	4.5	5
29	Viscous Overstability in Saturn's Rings: Influence of Collective Self-gravity. <i>Astrophysical Journal</i> , 2017, 851, 125.	4.5	5
30	ON THE LINEAR DAMPING RELATION FOR DENSITY WAVES IN SATURN'S RINGS. <i>Astrophysical Journal</i> , 2016, 824, 33.	4.5	4
31	Hydrodynamic Simulations of Moonlet-induced Propellers in Saturn's Rings: Application to <i>Blåriot</i> . <i>Astronomical Journal</i> , 2019, 157, 6.	4.7	3
32	A Multiple Encounter Model of M51. <i>Astrophysics and Space Science</i> , 1999, 269/270, 663-664.	1.4	2
33	An implementation of viscous pressure-force (soft-sphere) model in REBOUND for local ring simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4711-4728.	4.4	2
34	Inner Structure of M51. <i>Astrophysics and Space Science</i> , 1999, 269/270, 589-592.	1.4	1
35	The Fornax Deep Survey (FDS) with VST. <i>Astronomy and Astrophysics</i> , 2020, 633, C2.	5.1	1
36	Twisted Disks. <i>Science</i> , 2011, 332, 672-673.	12.6	0

#	ARTICLE	IF	CITATIONS
37	NIRSOS: Observations of early-type galaxy secular evolution spanning the Sa/S0/disky-E boundaries. Proceedings of the International Astronomical Union, 2012, 10, 331-331.	0.0	0
38	Dissecting early-type dwarf galaxies into their multiple components. Proceedings of the International Astronomical Union, 2012, 10, 364-364.	0.0	0
39	The halo-to-stellar mass ratio in the S4G. Proceedings of the International Astronomical Union, 2016, 11, 281-281.	0.0	0
40	On the colors of barlenses and their link to B/P bulges. Proceedings of the International Astronomical Union, 2016, 11, 263-265.	0.0	0
41	The stellar mass distribution of S4G disk galaxies. Proceedings of the International Astronomical Union, 2016, 11, 260-262.	0.0	0