Debora Å ijaÄki

List of Publications by Year
in descending order

57 papers	10,126 citations	101543 36 h-index	168389 53 g-index
57 all docs	57 docs citations	57 times ranked	4817 citing authors

#	Article	IF	Citations
1	Momentum deposition of supernovae with cosmic rays. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1247-1264.	4.4	5
2	Towards convergence of turbulent dynamo amplification in cosmological simulations of galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3326-3344.	4.4	8
3	A disturbing FABLE of mergers, feedback, turbulence, and mass biases in simulated galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2022, 514, 313-328.	4.4	11
4	Blandfordâ€“Znajek jets in galaxy formation simulations: exploring the diversity of outflows produced by spin-driven AGN jets in Seyfert galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4535-4559.	4.4	14
5	Blandfordâ€“Znajek jets in galaxy formation simulations: method and implementation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3619-3650.	4.4	26
6	A little FABLE: exploring AGN feedback in dwarf galaxies with cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3568-3591.	4.4	37
7	Morphological evolution of supermassive black hole merger hosts and multimessenger signatures. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3629-3642.	4.4	10
8	Unravelling the origin of magnetic fields in galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2517-2534.	4.4	15
9	AGN jet feedback on a moving mesh: gentle cluster heating by weak shocks and lobe disruption. Monthly Notices of the Royal Astronomical Society, 2021, 506, 488-513.	4.4	23
10	Cosmological simulations of massive black hole seeds: predictions for next-generation electromagnetic and gravitational wave observations. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4973-4992.	4.4	20
11	Metal Enrichment in the Circumgalactic Medium and LyÎ± Halos around Quasars at zÂâ¼Â3. Astrophysical Journal, 2020, 898, 26.	4.5	25
12	The redshift evolution of X-ray and Sunyaevâ€“Zelâ€™dovich scaling relations in the fable simulations. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2439-2470.	4.4	26
13	AGN jet feedback on a moving mesh: lobe energetics and X-ray properties in a realistic cluster environment. Monthly Notices of the Royal Astronomical Society, 2019, 490, 343-349.	4.4	22
14	Fast and energetic AGN-driven outflows in simulated dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2047-2066.	4.4	41
15	Cosmological simulations of dwarfs: the need for ISM physics beyond SN feedback alone. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3317-3333.	4.4	27
16	Galactic nuclei evolution with spinning black holes: method and implementation. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3807-3835.	4.4	42
17	The FABLE simulations: a feedback model for galaxies, groups, and clusters. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5385-5412.	4.4	86
18	Black hole clustering and duty cycles in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3331-3343.	4.4	21

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19	The origin and evolution of fast and slow rotators in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3883-3906.	4.4	78
20	AGN jet feedback on a moving mesh: cocoon inflation, gas flows and turbulence. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4707-4735.	4.4	76
21	Stellar spiral structures in triaxial dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2789-2808.	4.4	10
22	Shock finding on a moving-mesh â€“ II. Hydrodynamic shocks in the Illustris universe. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4441-4465.	4.4	24
23	Stellar Spirals in Triaxial Dark Matter Halos. Proceedings of the International Astronomical Union, 2016, 11, 120-120.	0.0	0
24	Recoiling black holes: prospects for detection and implications of spin alignment. Monthly Notices of the Royal Astronomical Society, 2016, 456, 961-989.	4.4	90
25	Galaxy morphology and star formation in the Illustris Simulation atzÂ=Â0. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1886-1908.	4.4	155
26	GALACTIC ANGULAR MOMENTUM IN THE ILLUSTRIS SIMULATION: FEEDBACK AND THE HUBBLE SEQUENCE. Astrophysical Journal Letters, 2015, 804, L40.	8.3	174
27	Hydrogen reionization in the Illustris universe. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3594-3611.	4.4	44
28	The merger rate of galaxies in the Illustris simulation: a comparison with observations and semi-empirical models. Monthly Notices of the Royal Astronomical Society, 2015, 449, 49-64.	4.4	472
29	The formation of massive, compact galaxies at zÂ=Â2 in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 449, 361-372.	4.4	187
30	The Illustris simulation: the evolving population of black holes across cosmic time. Monthly Notices of the Royal Astronomical Society, 2015, 452, 575-596.	4.4	452
31	Modeling the Observability of Recoiling Black Holes as Offset Quasars. Proceedings of the International Astronomical Union, 2015, 11, 317-318.	0.0	0
32	Complexity Phenomena and ROMA of the Earthâ€™s Magnetospheric Cusp, Hydrodynamic Turbulence, and the Cosmic Web. Pure and Applied Geophysics, 2015, 172, 2025-2043.	1.9	4
33	The impact of galactic feedback on the circumgalactic medium. Monthly Notices of the Royal Astronomical Society, 2015, 448, 895-909.	4.4	82
34	Synthetic galaxy images and spectra from the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2753-2771.	4.4	106
35	The impact of feedback on cosmological gas accretion. Monthly Notices of the Royal Astronomical Society, 2015, 448, 59-74.	4.4	120
36	The colours of satellite galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 447, L6-L10.	3.3	59

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37	The star formation main sequence and stellar mass assembly of galaxies in the Illustris simulation. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3548-3563.	4.4	201
38	The illustris simulation: Public data release. Astronomy and Computing, 2015, 13, 12-37.	1.7	412
39	Halo mass and assembly history exposed in the faint outskirts: the stellar and dark matter haloes of Illustris galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 237-249.	4.4	117
40	Introducing the Illustris Project: simulating the coevolution of dark and visible matter in the Universe. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1518-1547.	4.4	1,694
41	Damped Lyman Î± absorbers as a probe of stellar feedback. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2313-2324.	4.4	105
42	Introducing the Illustris project: the evolution of galaxy populations across cosmic time. Monthly Notices of the Royal Astronomical Society, 2014, 445, 175-200.	4.4	805
43	Properties of galaxies reproduced by a hydrodynamic simulation. Nature, 2014, 509, 177-182.	27.8	979
44	A model for cosmological simulations of galaxy formation physics: multi-epoch validation. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1985-2004.	4.4	242
45	A model for cosmological simulations of galaxy formation physics. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3031-3067.	4.4	711
46	Following the flow: tracer particles in astrophysical fluid simulations. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1426-1442.	4.4	107
47	Moving mesh cosmology: tracing cosmological gas accretion. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3353-3370.	4.4	288
48	Moving-mesh cosmology: properties of neutral hydrogen in absorption. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3341-3352.	4.4	52
49	Moving mesh cosmology: numerical techniques and global statistics. Monthly Notices of the Royal Astronomical Society, 2012, 425, 3024-3057.	4.4	169
50	Moving-mesh cosmology: characteristics of galaxies and haloes. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2027-2048.	4.4	116
51	Moving-mesh cosmology: properties of gas discs. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2224-2238.	4.4	92
52	Moving mesh cosmology: the hydrodynamics of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2999-3027.	4.4	144
53	The impact of AGN feedback and baryonic cooling on galaxy clusters as gravitational lenses. Monthly Notices of the Royal Astronomical Society, 2010, 406, 434-444.	4.4	55
54	Growing the first bright quasars in cosmological simulations of structure formation. Monthly Notices of the Royal Astronomical Society, 2009, 400, 100-122.	4.4	130

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55	Growing Supermassive Black Holes in Cosmological Simulations of Structure Formation. Proceedings of the International Astronomical Union, 2009, 5, 445-450.	0.0	0
56	Direct Cosmological Simulations of the Growth of Black Holes and Galaxies. Astrophysical Journal, 2008, 676, 33-53.	4.5	423
57	A unified model for AGN feedback in cosmological simulations of structure formation. Monthly Notices of the Royal Astronomical Society, 0, 380, 877-900.	4.4	692