

Romain Teyssier

List of Publications by Year in descending order

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168
papers

16,196
citations

13854

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times ranked

7426
citing authors

#	ARTICLE	IF	CITATIONS
1	The nature of high $[O/H]$ $z \sim 158 \mu m$ galaxies in the epoch of reionization: Low carbon abundance and a top-heavy IMF?. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5603-5622.	1.6	29
2	Internal dark matter structure of the most massive galaxy clusters since redshift 1. EPJ Web of Conferences, 2022, 257, 00026.	0.1	0
3	On the origin of surprisingly cold gas discs in galaxies at high redshift. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3266-3275.	1.6	22
4	Cosmology with One Galaxy?. Astrophysical Journal, 2022, 929, 132.	1.6	10
5	The driving mode of shock-driven turbulence. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1782-1800.	1.6	3
6	Turbulence generation by shock interaction with a highly nonuniform medium. Physical Review E, 2022, 105, .	0.8	2
7	Parameter inference with non-linear galaxy clustering: accounting for theoretical uncertainties. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1859-1879.	1.6	1
8	Cosmological magnetogenesis: the Biermann battery during the Epoch of reionization. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2346-2359.	1.6	13
9	Euclid preparation: IX. EuclidEmulator2 – power spectrum emulation with massive neutrinos and self-consistent dark energy perturbations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2840-2869.	1.6	62
10	Introducing SPHINX-MHD: the impact of primordial magnetic fields on the first galaxies, reionization, and the global 21-cm signal. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1254-1282.	1.6	30
11	Efficient early stellar feedback can suppress galactic outflows by reducing supernova clustering. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3882-3915.	1.6	48
12	Euclid Preparation. XIV. The Complete Calibration of the Color–Redshift Relation (C3R2) Survey: Data Release 3. Astrophysical Journal, Supplement Series, 2021, 256, 9.	3.0	11
13	An arbitrary high-order Spectral Difference method for the induction equation. Journal of Computational Physics, 2021, 438, 110327.	1.9	4
14	The AGORA High-resolution Galaxy Simulations Comparison Project. III. Cosmological Zoom-in Simulation of a Milky Way–mass Halo. Astrophysical Journal, 2021, 917, 64.	1.6	12
15	ACACIA: a new method to produce on-the-fly merger trees in the <code>ramses</code> code. Monthly Notices of the Royal Astronomical Society, 2021, 510, 959-979.	1.6	0
16	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.	1.6	89
17	Galactic ionizing photon budget during the epoch of reionization in the Cosmic Dawn II simulation. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4342-4357.	1.6	32
18	Rapid filamentary accretion as the origin of extended thin discs. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4346-4356.	1.6	23

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19	Estimating the integrated bispectrum from weak lensing maps. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 043-043.	1.9	11
20	On the origin of the peak of the stellar initial mass function: exploring the tidal screening theory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4727-4751.	1.6	13
21	Forming early-type galaxies without AGN feedback: a combination of merger-driven outflows and inefficient star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1385-1398.	1.6	24
22	EDGE: the mass-metallicity relation as a critical test of galaxy formation physics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1656-1672.	1.6	87
23	The loss of the intracluster medium in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1306-1316.	1.6	9
24	Baryonic effects for weak lensing. Part I. Power spectrum and covariance matrix. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 019-019.	1.9	54
25	Baryonic effects for weak lensing. Part II. Combination with X-ray data and extended cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 020-020.	1.9	27
26	Cosmological simulations of the same spiral galaxy: the impact of baryonic physics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 62-77.	1.6	15
27	EDGE: a new approach to suppressing numerical diffusion in adaptive mesh simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1755-1765.	1.6	13
28	Numerical Methods for Simulating Star Formation. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	1.1	16
29	Emission from the circumgalactic medium: from cosmological zoom-in simulations to multiwavelength observables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2417-2438.	1.6	24
30	Molecular clouds in the Cosmic Snake normal star-forming galaxy 8 billion years ago. <i>Nature Astronomy</i> , 2019, 3, 1115-1121.	4.2	57
31	Towards the complete census of molecular hydrogen in a simulated disc galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, , .	1.6	6
32	Quantifying baryon effects on the matter power spectrum and the weak lensing shear correlation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 020-020.	1.9	108
33	<i>Euclid</i> preparation: II. The <scp>EuclidEmulator</scp> â€“ a tool to compute the cosmology dependence of the nonlinear matter power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5509-5529.	1.6	117
34	Suppression of star formation in low-mass galaxies caused by the reionization of their local neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1740-1753.	1.6	39
35	A simple model for molecular hydrogen chemistry coupled to radiation hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 3206-3226.	1.6	21
36	Internal dark matter structure of the most massive galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 473, L69-L73.	1.2	11

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37	Planet-disc interactions with discontinuous Galerkin methods using GPUs. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1855-1865.	1.6	5
38	Impact of Lyman alpha pressure on metal-poor dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4617-4635.	1.6	35
39	The combined effect of AGN and supernovae feedback in launching massive molecular outflows in high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5688-5703.	1.6	32
40	The Inhomogeneous Reionization Times of Present-day Galaxies. Astrophysical Journal Letters, 2018, 856, L22.	3.0	31
41	A three-phase amplification of the cosmic magnetic field in galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3343-3365.	1.6	36
42	Free-floating molecular clumps and gas mixing: hydrodynamic aftermaths of the intracluster-interstellar medium interaction. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2191-2199.	1.6	0
43	Interpreting the cosmic far-infrared background anisotropies using a gas regulator model. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3974-3995.	1.6	5
44	PKDGRAV3: beyond trillion particle cosmological simulations for the next era of galaxy surveys. Computational Astrophysics and Cosmology, 2017, 4, .	22.7	150
45	Kiloparsec-scale Simulations of Star Formation in Disk Galaxies. IV. Regulation of Galactic Star Formation Rates by Stellar Feedback. Astrophysical Journal, 2017, 841, 82.	1.6	18
46	On the dynamics of supermassive black holes in gas-rich, star-forming galaxies: the case for nuclear star cluster co-evolution. Monthly Notices of the Royal Astronomical Society, 2017, 469, 295-313.	1.6	28
47	nIFTy galaxy cluster simulations - V. Investigation of the cluster infall region. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2027-2038.	1.6	16
48	Snap, crackle, pop: sub-grid supernova feedback in AMR simulations of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 466, 11-33.	1.6	66
49	Precision cosmology with baryons: non-radiative hydrodynamics of galaxy groups. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3188-3211.	1.6	7
50	A small-scale dynamo in feedback-dominated galaxies - II. The saturation phase and the final magnetic configuration. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2674-2686.	1.6	43
51	A small-scale dynamo in feedback-dominated galaxies - III. Cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4368-4373.	1.6	31
52	Infall near clusters of galaxies: comparing gas and dark matter velocity profiles. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3486-3491.	1.6	3
53	Star cluster formation in a turbulent molecular cloud self-regulated by photoionization feedback. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4155-4172.	1.6	70
54	High-redshift major mergers weakly enhance star formation. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1934-1949.	1.6	90

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55	nIFTy galaxy cluster simulations â€“ II. Radiative models. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2973-2991.	1.6	45
56	Matter power spectrum and the challenge of percent accuracy. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 047-047.	1.9	137
57	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.	1.6	163
58	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. II. ISOLATED DISK TEST. Astrophysical Journal, 2016, 833, 202.	1.6	88
59	nIFTy galaxy cluster simulations â€“ III. The similarity and diversity of galaxies and subhaloes. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1096-1116.	1.6	32
60	nIFTy galaxy cluster simulations â€“ IV. Quantifying the influence of baryons on halo properties. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4052-4073.	1.6	39
61	Rhapsody-G simulations â€“ II. Baryonic growth and metal enrichment in massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4408-4427.	1.6	25
62	nIFTy galaxy cluster simulations â€“ I. Dark matter and non-radiative models. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4063-4080.	1.6	63
63	A small-scale dynamo in feedback-dominated galaxies as the origin of cosmic magnetic fields â€“ I. The kinematic phase. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1722-1738.	1.6	72
64	Rhapsody-G simulations: galaxy clusters as baryonic closed boxes and the covariance between hot gas and galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1982-1991.	1.6	31
65	Environmental regulation of cloud and star formation in galactic bars. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3299-3310.	1.6	63
66	PHEW: a parallel segmentation algorithm for three-dimensional AMR datasets. Computational Astrophysics and Cosmology, 2015, 2, .	22.7	34
67	A new method to quantify the effects of baryons on the matter power spectrum. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 049-049.	1.9	120
68	Numerical cosmology on the GPU with Enzo and Ramses. Journal of Physics: Conference Series, 2015, 640, 012058.	0.3	5
69	Galaxy evolution: modelling the role of non-thermal pressure in the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3678-3692.	1.6	14
70	Milking the spherical cow â€“ on aspherical dynamics in spherical coordinates. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1366-1379.	1.6	29
71	Galaxies that shine: radiation-hydrodynamical simulations of disc galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 451, 34-58.	1.6	95
72	Distribution of streaming rates into high-redshift galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 454, 637-648.	1.6	23

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73	Chameleon $f(R)$ gravity on the Virgo cluster scale. Monthly Notices of the Royal Astronomical Society, 2015, 448, 307-327.	1.6	6
74	Modeling CO emission from hydrodynamic simulations of nearby spirals, starbursting mergers, and high-redshift galaxies. Astronomy and Astrophysics, 2015, 575, A56.	2.1	55
75	Grid-Based Hydrodynamics in Astrophysical Fluid Flows. Annual Review of Astronomy and Astrophysics, 2015, 53, 325-364.	8.1	38
76	Black hole evolution – I. Supernova-regulated black hole growth. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1502-1518.	1.6	165
77	A scheme for radiation pressure and photon diffusion with the M1 closure in ramses-rt. Monthly Notices of the Royal Astronomical Society, 2015, 449, 4380-4403.	1.6	134
78	Baryonic and dark matter distribution in cosmological simulations of spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1353-1369.	1.6	52
79	Dancing in the dark: galactic properties trace spin swings along the cosmic web. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1453-1468.	1.6	614
80	A systematic look at the effects of radiative feedback on disc galaxy formation. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2837-2853.	1.6	69
81	Brightest cluster galaxies in cosmological simulations with adaptive mesh refinement: successes and failures. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1500-1508.	1.6	34
82	Towards a more realistic sink particle algorithm for the ramses code. Monthly Notices of the Royal Astronomical Society, 2014, 445, 4015-4036.	1.6	97
83	THE LONG LIVES OF GIANT CLUMPS AND THE BIRTH OF OUTFLOWS IN GAS-RICH GALAXIES AT HIGH REDSHIFT. Astrophysical Journal, 2014, 780, 57.	1.6	161
84	THE AGORA HIGH-RESOLUTION GALAXY SIMULATIONS COMPARISON PROJECT. Astrophysical Journal, Supplement Series, 2014, 210, 14.	3.0	185
85	The biasing of baryons on the cluster mass function and cosmological parameter estimation. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2290-2299.	1.6	51
86	THE ROLE OF TURBULENCE IN STAR FORMATION LAWS AND THRESHOLDS. Astrophysical Journal, 2014, 784, 112.	1.6	25
87	Globular cluster formation in the Virgo cluster. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2826-2836.	1.6	18
88	Evolution of the mass, size, and star formation rate in high redshift merging galaxies. Astronomy and Astrophysics, 2014, 562, A1.	2.1	94
89	A fast, robust, and simple implicit method for adaptive time-stepping on adaptive mesh-refinement grids. Astronomy and Astrophysics, 2014, 563, A11.	2.1	38
90	A sub-parsec resolution simulation of the Milky Way: global structure of the interstellar medium and properties of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1836-1851.	1.6	159

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91	The ATLAS3D project – XXII. Low-efficiency star formation in early-type galaxies: hydrodynamic models and observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1914-1927.	1.6	94
92	Cusp-core transformations induced by AGN feedback in the progenitors of cluster galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1947-1954.	1.6	105
93	ramses-rt: radiation hydrodynamics in the cosmological context. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 2188-2231.	1.6	218
94	Hydrodynamics of galaxy mergers with supermassive black holes: is there a last parsec problem?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3114-3122.	1.6	96
95	Beyond the nuclear starburst? Clustered star formation in major mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1028-1042.	1.6	41
96	Cusp-core transformations in dwarf galaxies: observational predictions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3068-3078.	1.6	338
97	Simulating gamma-ray binaries with a relativistic extension of RAMSES. <i>Astronomy and Astrophysics</i> , 2013, 560, A79.	2.1	29
98	ECOSMOG: an Efficient COde for Simulating MODified Gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 051-051.	1.9	212
99	Indirect dark matter searches: Towards a consistent top-bottom approach for studying the gamma-ray signals and associated backgrounds. <i>Physical Review D</i> , 2012, 86, .	1.6	5
100	INCORPORATING AMBIPOLAR AND OHMIC DIFFUSION IN THE AMR MHD CODE RAMSES. <i>Astrophysical Journal, Supplement Series</i> , 2012, 201, 24.	3.0	49
101	The role of Active Galactic Nuclei feedback in the formation of the brightest cluster galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 362-365.	0.0	0
102	Enhancing and inhibiting star formation: high-resolution simulation studies of the impact of cold accretion, mergers and feedback on individual massive galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 13-16.	0.0	1
103	A DIVERSITY OF PROGENITORS AND HISTORIES FOR ISOLATED SPIRAL GALAXIES. <i>Astrophysical Journal</i> , 2012, 756, 26.	1.6	114
104	Observable signatures of the low-z circumgalactic and intergalactic media: ultraviolet line emission in simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 1731-1753.	1.6	22
105	Self-regulated growth of supermassive black holes by a dual jet-heating active galactic nucleus feedback mechanism: methods, tests and implications for cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 2662-2683.	1.6	289
106	The formation of the brightest cluster galaxies in cosmological simulations: the case for active galactic nucleus feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 2859-2873.	1.6	76
107	RAMSES-CH: a new chemodynamical code for cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 424, L11-L15.	1.2	36
108	Coplanar streams, pancakes and angular-momentum exchange in high-z disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1732-1749.	1.6	108

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109	The effects of baryon physics, black holes and active galactic nucleus feedback on the mass distribution in clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 3081-3091.	1.6	126
110	The Aquila comparison project: the effects of feedback and numerical methods on simulations of galaxy formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1726-1749.	1.6	381
111	Radiation hydrodynamics with adaptive mesh refinement and application to prestellar core collapse. <i>Astronomy and Astrophysics</i> , 2011, 529, A35.	2.1	119
112	HYDRODYNAMICS OF HIGH-REDSHIFT GALAXY COLLISIONS: FROM GAS-RICH DISKS TO DISPERSION-DOMINATED MERGERS AND COMPACT SPHEROIDS. <i>Astrophysical Journal</i> , 2011, 730, 4.	1.6	214
113	BLACK HOLE GROWTH AND ACTIVE GALACTIC NUCLEI OBSCURATION BY INSTABILITY-DRIVEN INFLOWS IN HIGH-REDSHIFT DISK GALAXIES FED BY COLD STREAMS. <i>Astrophysical Journal Letters</i> , 2011, 741, L33.	3.0	199
114	The formation of disc galaxies in a Λ CDM universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 1391-1408.	1.6	234
115	Mass distribution in galaxy clusters: the role of Active Galactic Nuclei feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 195-208.	1.6	153
116	Disc heating: comparing the Milky Way with cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 2652-2664.	1.6	59
117	How active galactic nucleus feedback and metal cooling shape cluster entropy profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1853-1870.	1.6	57
118	A simple multigrid scheme for solving the Poisson equation with arbitrary domain boundaries. <i>Journal of Computational Physics</i> , 2011, 230, 4756-4771.	1.9	125
119	COMPARING NUMERICAL METHODS FOR ISOTHERMAL MAGNETIZED SUPERSONIC TURBULENCE. <i>Astrophysical Journal</i> , 2011, 737, 13.	1.6	105
120	The Impact of ISM Turbulence, Clustered Star Formation and Feedback on Galaxy Mass Assembly through Cold Flows and Mergers. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 234-237.	0.0	0
121	Galactic star formation in parsec-scale resolution simulations. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 487-490.	0.0	0
122	Star formation in galaxy mergers: ISM turbulence, dense gas excess, and scaling relations for disks and starbursts. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 160-169.	0.0	1
123	Protostellar collapse: radiative and magnetic feedbacks on small-scale fragmentation. <i>Astronomy and Astrophysics</i> , 2010, 510, L3.	2.1	114
124	THE DRIVING MECHANISM OF STARBURSTS IN GALAXY MERGERS. <i>Astrophysical Journal Letters</i> , 2010, 720, L149-L154.	3.0	214
125	REIONIZATION SIMULATIONS POWERED BY GRAPHICS PROCESSING UNITS. I. ON THE STRUCTURE OF THE ULTRAVIOLET RADIATION FIELD. <i>Astrophysical Journal</i> , 2010, 724, 244-266.	1.6	80
126	The dusty, albeit ultraviolet bright, infancy of galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 403, L84-L88.	1.2	25

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127	Jet-regulated cooling catastrophe. Monthly Notices of the Royal Astronomical Society, 2010, 409, 985-1001.	1.6	141
128	ISM properties in hydrodynamic galaxy simulations: turbulence cascades, cloud formation, role of gravity and feedback. Monthly Notices of the Royal Astronomical Society, 2010, 409, 1088-1099.	1.6	204
129	aski: full-sky lensing map-making algorithms. Monthly Notices of the Royal Astronomical Society, 2010, 401, 705-726.	1.6	18
130	The effect of baryons on the variance and the skewness of the mass distribution in the Universe at small scales. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	15
131	Gravity-driven Ly α ± blobs from cold streams into galaxies. Monthly Notices of the Royal Astronomical Society, 2010, 407, 613-631.	1.6	145
132	Magnetised winds in dwarf galaxies. Astronomy and Astrophysics, 2010, 523, A72.	2.1	52
133	Simulation of the growth of the 3D Rayleigh-Taylor instability in supernova remnants using an expanding reference frame. Astronomy and Astrophysics, 2010, 515, A104.	2.1	34
134	Dark matter direct detection signals inferred from a cosmological N-body simulation with baryons. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 012-012.	1.9	114
135	Systematic uncertainties in the determination of the local dark matter density. Physical Review D, 2010, 82, .	1.6	89
136	3D simulations of supernova remnants evolution including non-linear particle acceleration. Astronomy and Astrophysics, 2010, 509, L10.	2.1	54
137	MORPHOLOGICAL QUENCHING OF STAR FORMATION: MAKING EARLY-TYPE GALAXIES RED. Astrophysical Journal, 2009, 707, 250-267.	1.6	590
138	Full-sky weak-lensing simulation with 70 billion particles. Astronomy and Astrophysics, 2009, 497, 335-341.	2.1	120
139	Large-scale galactic turbulence: can self-gravity drive the observed H α velocity dispersions?. Monthly Notices of the Royal Astronomical Society, 2009, 392, 294-308.	1.6	112
140	FAst STatistics for weak Lensing (FASTLens): fast method for weak lensing statistics and map making. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1265-1279.	1.6	51
141	Cold streams in early massive hot haloes as the main mode of galaxy formation. Nature, 2009, 457, 451-454.	13.7	1,333
142	Disc formation and the origin of clumpy galaxies at high redshift. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 397, L64-L68.	1.2	167
143	Modeling high-redshift galaxies: what can we learn from high and ultra-high resolution hydrodynamical simulations?. Proceedings of the International Astronomical Union, 2009, 5, 248-256.	0.0	1
144	GLOBULAR CLUSTER FORMATION WITHIN A COSMOLOGICAL CONTEXT. Astrophysical Journal, 2009, 706, L192-L196.	1.6	43

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145	A radiative transfer scheme for cosmological reionization based on a local Eddington tensor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 295-307.	1.6	110
146	Bimodal gas accretion in the Horizon-MareNostrum galaxy formation simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, , .	1.6	136
147	Initial Conditions For Large Cosmological Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2008, 178, 179-188.	3.0	144
148	Hydrodynamical Adaptive Mesh Refinement Simulations of Disk Galaxies. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 445-452.	0.0	2
149	Protostellar collapse: a comparison between smoothed particle hydrodynamics and adaptative mesh refinement calculations. <i>Astronomy and Astrophysics</i> , 2008, 482, 371-385.	2.1	42
150	On the onset of galactic winds in quiescent star forming galaxies. <i>Astronomy and Astrophysics</i> , 2008, 477, 79-94.	2.1	226
151	Cosmological MHD simulation of a cooling flow cluster. <i>Astronomy and Astrophysics</i> , 2008, 482, L13-L16.	2.1	86
152	Magnetic processes in a collapsing dense core. <i>Astronomy and Astrophysics</i> , 2008, 477, 25-34.	2.1	147
153	Cosmological Simulations using Grid Middleware. , 2007, , .		1
154	A high order Godunov scheme with constrained transport and adaptive mesh refinement for astrophysical and geophysical MHD. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2007, 101, 199-225.	0.4	9
155	AGN self-regulation in cooling flow clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 1547-1556.	1.6	97
156	The history of the baryon budget. <i>Astronomy and Astrophysics</i> , 2006, 445, 1-27.	2.1	194
157	A high order Godunov scheme with constrained transport and adaptive mesh refinement for astrophysical magnetohydrodynamics. <i>Astronomy and Astrophysics</i> , 2006, 457, 371-384.	2.1	317
158	Kinematic dynamos using constrained transport with high order Godunov schemes and adaptive mesh refinement. <i>Journal of Computational Physics</i> , 2006, 218, 44-67.	1.9	83
159	Temperature map computation for X-ray clusters of galaxies. <i>Astronomy and Astrophysics</i> , 2004, 414, 429-443.	2.1	28
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