Elke Roediger

List of Publications by Year
in descending order

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25 papers	1,089 citations	361413 20 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1153 citing authors

#	Article	IF	Citations
1	Ram pressure stripping of disc galaxies orbiting in clusters â€“ I. Mass and radius of the remaining gas disc. Monthly Notices of the Royal Astronomical Society, 2007, 380, 1399-1408.	4.4	142
2	Ram pressure stripping of disc galaxies: the role of the inclination angle. Monthly Notices of the Royal Astronomical Society, 2006, 369, 567-580.	4.4	120
3	ALMA Unveils Widespread Molecular Gas Clumps in the Ram Pressure Stripped Tail of the Norma Jellyfish Galaxy. Astrophysical Journal, 2019, 883, 145.	4.5	78
4	Jellyfish: the origin and distribution of extreme ram-pressure stripping events in massive galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2994-3008.	4.4	75
5	Molecular Gas Dominated 50 kpc Ram Pressure Stripped Tail of the Coma Galaxy D100[*]. Astrophysical Journal, 2017, 839, 114.	4.5	68
6	Ram-pressure stripping of disc galaxies orbiting in clusters â€“ II. Galactic wakes. Monthly Notices of the Royal Astronomical Society, 2008, 388, 465-486.	4.4	64
7	GASP. XXII. The Molecular Gas Content of the JW100 Jellyfish Galaxy at zÂâˆ¼Â0.05: Does Ram Pressure Promote Molecular Gas Formation?. Astrophysical Journal, 2020, 889, 9.	4.5	58
8	GASP XXIII: A Jellyfish Galaxy as an Astrophysical Laboratory of the Baryonic Cycle. Astrophysical Journal, 2019, 887, 155.	4.5	52
9	Constraining Gas Motions in the Intra-Cluster Medium. Space Science Reviews, 2019, 215, 1.	8.1	49
10	GASP. XXI. Star Formation Rates in the Tails of Galaxies Undergoing Ram Pressure Stripping. Astrophysical Journal, 2020, 899, 13.	4.5	49
11	DEEP CHANDRA OBSERVATIONS OF NGC 1404: CLUSTER PLASMA PHYSICS REVEALED BY AN INFALLING EARLY-TYPE GALAXY. Astrophysical Journal, 2017, 834, 74.	4.5	48
12	The ram pressure stripped radio tails of galaxies in the Coma cluster. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4654-4673.	4.4	37
13	Gas Sloshing Regulates and Records the Evolution of the Fornax Cluster. Astrophysical Journal, 2017, 851, 69.	4.5	34
14	The Recent Growth History of the Fornax Cluster Derived from Simultaneous Sloshing and Gas Stripping:ÂSimulating the Infall of NGC 1404. Astrophysical Journal, 2018, 865, 118.	4.5	29
15	GASP XXIX â€“ unwinding the arms of spiral galaxies via ram-pressure stripping. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1285-1312.	4.4	29
16	Shocking features in the merging galaxy cluster RXJ0334.2â˜’0111. Monthly Notices of the Royal Astronomical Society, 2016, 458, 681-694.	4.4	28
17	SLOSHING COLD FRONTS IN GALAXY GROUPS AND THEIR PERTURBING DISK GALAXIES: AN X-RAY, OPTICAL, AND RADIO CASE STUDY. Astrophysical Journal, 2013, 770, 56.	4.5	25
18	Variability and Proper Motion of X-Ray Knots in the Jet of Centaurus A. Astrophysical Journal, 2019, 871, 248.	4.5	24

#	Article	IF	Citations
19	Ram pressure stripping in a viscous intracluster medium. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 388, L89-L93.	3.3	21
20	A New Class of X-Ray Tails of Early-type Galaxies and Subclusters in Galaxy Clusters: Slingshot Tails versus Ram Pressure Stripped Tails. Astrophysical Journal, 2019, 874, 112.	4.5	21
21	CAPTURING THE 3D MOTION OF AN INFALLING GALAXY VIA FLUID DYNAMICS. Astrophysical Journal, 2017, 835, 19.	4.5	18
22	GAS SLOSHING AND RADIO GALAXY DYNAMICS IN THE CORE OF THE 3C 449 GROUP. Astrophysical Journal, 2013, 764, 83.	4.5	15
23	The rotational profiles of cluster galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5017-5032.	4.4	3
24	Resilience of sloshing cold fronts against subsequent minor mergers. Monthly Notices of the Royal Astronomical Society, 2022, 514, 518-534.	4.4	2
25	The Dynamical Intracluster Medium: A Combined Approach of Observations and Simulations. , 2009, , .		0