Sandor M Molnar

List of Publications by Year
in descending order

22	526	687363 13	677142 22
papers	citations	h-index	g-index

22	22	22	675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Systematic Perturbations of the Thermodynamic Properties in Cool Cores of HIFLUGCS Galaxy Clusters. Astrophysical Journal, 2021, 922, 81.	4.5	5
2	Gas Density Perturbations in the Cool Cores of CLASH Galaxy Clusters. Astrophysical Journal, 2020, 892, 100.	4.5	6
3	Geometric Support for Dark Matter by an Unaligned Einstein Ring in A3827. Astrophysical Journal, 2020, 898, 81.	4.5	5
4	The Dynamical State of the Frontier Fields Galaxy Cluster Abell 370. Astrophysical Journal, 2020, 900, 151.	4.5	9
5	Free-form Lens Model and Mass Estimation of the High-redshift Galaxy Cluster ACT-CL J0102-4915, â€œEl Gordoâ€• Astrophysical Journal, 2020, 904, 106.	4.5	14
6	Empirical Test for Relativistic Kinetic Theories Based on the Sunyaevâ€“Zelâ€™dovich Effect. Astrophysical Journal, 2020, 902, 143.	4.5	2
7	Multi-phenomena Modeling of the New Bullet-like Cluster ZwCl 008.8+52 Using N-body/Hydrodynamical Simulations. Astrophysical Journal, 2018, 862, 112.	4.5	14
8	Constraints on the Mass, Concentration, and Nonthermal Pressure Support of Six CLASH Clusters from a Joint Analysis of X-Ray, SZ, and Lensing Data. Astrophysical Journal, 2018, 861, 71.	4.5	19
9	Shocks and Tides Quantified in the â€œSausageâ€•Cluster, CIZA J2242.8+5301 Using N-body/Hydrodynamical Simulations. Astrophysical Journal, 2017, 841, 46.	4.5	16
10	The Double Galaxy Cluster A2465. III. X-Ray and Weak-lensing Observations^{â^—}. Astrophysical Journal, 2017, 844, 67.	4.5	4
11	HYDRODYNAMICAL SIMULATIONS OF COLLIDING JETS: MODELING 3C 75. Astrophysical Journal, 2017, 835, 57.	4.5	3
12	AMiBA: CLUSTER SUNYAEVâ€“ZELâ€™DOVICH EFFECT OBSERVATIONS WITH THE EXPANDED 13-ELEMENT ARRAY. Astrophysical Journal, 2016, 830, 91.	4.5	1
13	Cluster Physics with Merging Galaxy Clusters. Frontiers in Astronomy and Space Sciences, 2016, 2, .	2.8	14
14	A COMPARISON AND JOINT ANALYSIS OF SUNYAEVâ€“ZELâ€™DOVICH EFFECT MEASUREMENTS FROM PLANCK AND BOLOCAM FOR A SET OF 47 MASSIVE GALAXY CLUSTERS. Astrophysical Journal, 2016, 832, 26.	4.5	35
15	A HYDRODYNAMICAL SOLUTION FOR THE â€œTWIN-TAILEDâ€•COLLIDING GALAXY CLUSTER â€œEL GORDOâ€• Astrophysical Journal, 2015, 800, 37.	4.5	32
16	THE PRE-MERGER IMPACT VELOCITY OF THE BINARY CLUSTER A1750 FROM X-RAY, LENSING, AND HYDRODYNAMICAL SIMULATIONS. Astrophysical Journal, 2013, 779, 63.	4.5	19
17	TANGENTIAL VELOCITY OF THE DARK MATTER IN THE BULLET CLUSTER FROM PRECISE LENSED IMAGE REDSHIFTS. Astrophysical Journal, 2013, 774, 70.	4.5	15
18	MERGING GALAXY CLUSTERS: OFFSET BETWEEN THE SUNYAEVâ€“ZEL'DOVICH EFFECT AND X-RAY PEAKS. Astrophysical Journal, 2012, 748, 45.	4.5	29

#	Article	IF	Citations
19	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. Astrophysical Journal, 2012, 755, 56.	4.5	101
20	CONSTRAINING INTRACLUSTER GAS MODELS WITH AMiBA13. Astrophysical Journal, 2010, 723, 1272-1285.	4.5	10
21	THE MASS STRUCTURE OF THE GALAXY CLUSTER Cl0024+1654 FROM A FULL LENSING ANALYSIS OF JOINT SUBARU AND ACS/NIC3 OBSERVATIONS. Astrophysical Journal, 2010, 714, 1470-1496.	4.5	74
22	MASS AND HOT BARYONS IN MASSIVE GALAXY CLUSTERS FROM SUBARU WEAK-LENSING AND AMiBA SUNYAEV-ZEL'DOVICH EFFECT OBSERVATIONS. Astrophysical Journal, 2009, 694, 1643-1663.	4.5	99