

Sandor M Molnar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. <i>Astrophysical Journal</i> , 2012, 755, 56.	4.5	101
2	MASS AND HOT BARYONS IN MASSIVE GALAXY CLUSTERS FROM SUBARU WEAK-LENSING AND AMiBA SUNYAEV-ZEL'DOVICH EFFECT OBSERVATIONS. <i>Astrophysical Journal</i> , 2009, 694, 1643-1663.	4.5	99
3	THE MASS STRUCTURE OF THE GALAXY CLUSTER Cl0024+1654 FROM A FULL LENSING ANALYSIS OF JOINT SUBARU AND ACS/NIC3 OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 714, 1470-1496.	4.5	74
4	A COMPARISON AND JOINT ANALYSIS OF SUNYAEV-ZEL'DOVICH EFFECT MEASUREMENTS FROM PLANCK AND BOLOCAM FOR A SET OF 47 MASSIVE GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2016, 832, 26.	4.5	35
5	A HYDRODYNAMICAL SOLUTION FOR THE "TWIN-TAILED" COLLIDING GALAXY CLUSTER "EL GORDO". <i>Astrophysical Journal</i> , 2015, 800, 37.	4.5	32
6	MERGING GALAXY CLUSTERS: OFFSET BETWEEN THE SUNYAEV-ZEL'DOVICH EFFECT AND X-RAY PEAKS. <i>Astrophysical Journal</i> , 2012, 748, 45.	4.5	29
7	THE PRE-MERGER IMPACT VELOCITY OF THE BINARY CLUSTER A1750 FROM X-RAY, LENSING, AND HYDRODYNAMICAL SIMULATIONS. <i>Astrophysical Journal</i> , 2013, 779, 63.	4.5	19
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. <i>Astrophysical Journal</i> , 2018, 861, 71.	4.5	19
9	Shocks and Tides Quantified in the "Sausage" Cluster, CIZA J2242.8+5301 Using N-body/Hydrodynamical Simulations. <i>Astrophysical Journal</i> , 2017, 841, 46.	4.5	16
10	TANGENTIAL VELOCITY OF THE DARK MATTER IN THE BULLET CLUSTER FROM PRECISE LENSED IMAGE REDSHIFTS. <i>Astrophysical Journal</i> , 2013, 774, 70.	4.5	15
11	Cluster Physics with Merging Galaxy Clusters. <i>Frontiers in Astronomy and Space Sciences</i> , 2016, 2, .	2.8	14
12	Multi-phenomena Modeling of the New Bullet-like Cluster ZwCl 008.8+52 Using N-body/Hydrodynamical Simulations. <i>Astrophysical Journal</i> , 2018, 862, 112.	4.5	14
13	Free-form Lens Model and Mass Estimation of the High-redshift Galaxy Cluster ACT-CL J0102-4915, "El Gordo". <i>Astrophysical Journal</i> , 2020, 904, 106.	4.5	14
14	CONSTRAINING INTRACLUSTER GAS MODELS WITH AMiBA13. <i>Astrophysical Journal</i> , 2010, 723, 1272-1285.	4.5	10
15	The Dynamical State of the Frontier Fields Galaxy Cluster Abell 370. <i>Astrophysical Journal</i> , 2020, 900, 151.	4.5	9
16	Gas Density Perturbations in the Cool Cores of CLASH Galaxy Clusters. <i>Astrophysical Journal</i> , 2020, 892, 100.	4.5	6
17	Geometric Support for Dark Matter by an Unaligned Einstein Ring in A3827. <i>Astrophysical Journal</i> , 2020, 898, 81.	4.5	5
18	Systematic Perturbations of the Thermodynamic Properties in Cool Cores of HIFLUGCS Galaxy Clusters. <i>Astrophysical Journal</i> , 2021, 922, 81.	4.5	5

#	ARTICLE	IF	CITATIONS
19	The Double Galaxy Cluster A2465. III. X-Ray and Weak-lensing Observations. Astrophysical Journal, 2017, 844, 67.	4.5	4
20	HYDRODYNAMICAL SIMULATIONS OF COLLIDING JETS: MODELING 3C 75. Astrophysical Journal, 2017, 835, 57.	4.5	3
21	Empirical Test for Relativistic Kinetic Theories Based on the Sunyaev-Zeldovich Effect. Astrophysical Journal, 2020, 902, 143.	4.5	2
22	AMiBA: CLUSTER SUNYAEV-ZELDOVICH EFFECT OBSERVATIONS WITH THE EXPANDED 13-ELEMENT ARRAY. Astrophysical Journal, 2016, 830, 91.	4.5	1