J Vega

List of Publications by Year
in descending order

14 papers	860 citations	687363 13 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	1193 citing authors

#	Article	IF	Citations
1	CLASH: THE CONCENTRATION-MASS RELATION OF GALAXY CLUSTERS. Astrophysical Journal, 2015, 806, 4.	4.5	170
2	CLASH: THE ENHANCED LENSING EFFICIENCY OF THE HIGHLY ELONGATED MERGING CLUSTER MACS J0416.1â€"2403. Astrophysical Journal Letters, 2013, 762, L30.	8.3	153
3	The Three Hundred project: a large catalogue of theoretically modelled galaxy clusters for cosmological and astrophysical applications. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2898-2915.	4.4	131
4	THE MUSIC OF CLASH: PREDICTIONS ON THE CONCENTRATION-MASS RELATION. Astrophysical Journal, 2014, 797, 34.	4.5	115
5	Dark Matter under the Microscope: Constraining Compact Dark Matter with Caustic Crossing Events. Astrophysical Journal, 2018, 857, 25.	4.5	75
6	On the shape of dark matter haloes from MultiDark Planck simulations. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3226-3238.	4.4	37
7	The Hubble Constant from SN Refsdal. Astrophysical Journal Letters, 2018, 853, L31.	8.3	34
8	A free-form lensing model of A370 revealing stellar mass dominated BCGs, in Hubble Frontier Fields images. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4279-4296.	4.4	33
9	Pushing automated morphological classifications to their limits with the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1927-1943.	4.4	33
10	CLUMP-3D: Testing ΛCDM with Galaxy Cluster Shapes. Astrophysical Journal Letters, 2018, 860, L4.	8.3	29
11	Shocks in the stacked Sunyaevâ€"Zelâ€™dovich profiles of clusters â€" I. Analysis with the Three Hundred simulations. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1777-1787.	4.4	19
12	Probability of magnification in the HubbleFrontier Fields clusters. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5414-5429.	4.4	15
13	Constraining the cross-section of dark matter with giant radial arcs in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2020, 500, 247-258.	4.4	15
14	Event Detection and Reconstruction Using Neural Networks in TES Devices: a Case Study for Athena/X-IFU. Publications of the Astronomical Society of the Pacific, 2022, 134, 024504.	3.1	1