Vladimir Avila-Reese

List of Publications by Year
in descending order

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88 papers	8,658 citations	94433 37 h-index	51608 86 g-index
91 all docs	91 docs citations	91 times ranked	7314 citing authors

#	Article	IF	Citations
1	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. Astrophysical Journal, Supplement Series, 2022, 259, 35.	7.7	405
2	SDSS IV MaNGA: visual morphological and statistical characterization of the DR15 sample. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2222-2244.	4.4	12
3	The differences between mass- and light-derived structural parameters over time for MaNGA elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5676-5694.	4.4	6
4	Size, shade, or shape? The contribution of galaxies of different types to the star formation history of the Universe from SDSS-IVÂMaNGA. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3128-3143.	4.4	5
5	Hâ€‰<scp>i</scp>-MaNGA: tracing the physics of the neutral and ionized ISM with the second data release. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1345-1366.	4.4	34
6	Clustering and halo abundances in early dark energy cosmological models. Monthly Notices of the Royal Astronomical Society, 2021, 504, 769-781.	4.4	31
7	The evolution of compact massive quiescent and star-forming galaxies derived from the Reâ€“Rh and Mstarâ€“Mh relations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4555-4570.	4.4	13
8	The Hâ€‰<scp>i</scp> and stellar mass bivariate distribution of centrals and satellites for all, late-, and early-type local galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 304-324.	4.4	5
9	The galaxy Hâ€‰<scp>i</scp>â€“(sub)halo connection and the Hâ€‰<scp>i</scp> spatial clustering of local galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1507-1525.	4.4	7
10	Constraints on the Velocity Dispersion of Dark Matter from Cosmology and New Bounds on Scattering from the Cosmic Dawn. Astrophysical Journal, 2020, 894, 40.	4.5	0
11	SDSS-IV MaNGA: Excavating the fossil record of stellar populations in spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3387-3402.	4.4	19
12	The bivariate gasâ€“stellar mass distributions and the mass functions of early- and late-type galaxies at. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	16
13	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. Astrophysical Journal, Supplement Series, 2020, 249, 3.	7.7	826
14	SDSS-IV MaNGA: Global and local stellar population properties of elliptical galaxies. Astronomy and Astrophysics, 2020, 644, A117.	5.1	26
15	SDSS-IV MaNGA: when is morphology imprinted on galaxies?. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 500, L42-L46.	3.3	7
16	A Universal Fundamental Plane and the M_{dyn}â€“M_{â‹†} Relation for Galaxies with CALIFA and MaNGA. Astrophysical Journal, 2020, 900, 109.	4.5	21
17	The Star-forming Main Sequence and the Contribution of Dust-obscured Star Formation since zÂâ¼Â4 from the Far-UV+IR Luminosity Functions. Astrophysical Journal, 2020, 905, 171.	4.5	4
18	Hâ€‰i-MaNGA: Hâ€‰i follow-up for the MaNGA survey. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3396-3405.	4.4	44

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19	SDSS-IV MaNGA: effects of morphology in the global and local star formation main sequences. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3929-3948.	4.4	63
20	The galaxyâ€“halo connection in modified gravity cosmologies: environment dependence of galaxy luminosity function. Monthly Notices of the Royal Astronomical Society, 2019, 488, 782-802.	4.4	5
21	Optical integral field spectroscopy observations applied to simulated galaxies: testing the fossil record method. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4525-4550.	4.4	47
22	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. Astrophysical Journal, Supplement Series, 2019, 240, 23.	7.7	299
23	SDSS-IV MaNGA â€“ an archaeological view of the cosmic star formation history. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1557-1586.	4.4	65
24	The Global and Radial Stellar Mass Assembly of Milky Way-sized Galaxies. Astrophysical Journal, 2018, 854, 152.	4.5	14
25	A dusty star-forming galaxy at z = 6 revealed by strong gravitational lensing. Nature Astronomy, 2018, 2, 56-62.	10.1	74
26	The first 62 AGN observed with SDSS-IV MaNGA â€“ II. Resolvedstellar populations. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5491-5504.	4.4	34
27	Kinematic scaling relations of CALIFA galaxies: A dynamical mass proxy for galaxies across the Hubble sequence. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2133-2146.	4.4	40
28	Field spheroid-dominated galaxies in a Î›-CDM Universe. Astronomy and Astrophysics, 2018, 614, A85.	5.1	7
29	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. Astrophysical Journal, Supplement Series, 2018, 235, 42.	7.7	796
30	Early Science with the Large Millimeter Telescope: Detection of Dust Emission in Multiple Images of a Normal Galaxy at z >Â4 Lensed by a Frontier Fields Cluster. Astrophysical Journal, 2017, 838, 137.	4.5	18
31	Constraining the galaxyâ€“halo connection over the last 13.3ÂGyr: star formation histories, galaxy mergers and structural properties. Monthly Notices of the Royal Astronomical Society, 2017, 470, 651-687.	4.4	166
32	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. Astrophysical Journal, Supplement Series, 2017, 233, 25.	7.7	406
33	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
34	Isolated elliptical galaxies in the local Universe. Astronomy and Astrophysics, 2016, 588, A79.	5.1	27
35	COSMOLOGICAL SIMULATIONS OF MILKY WAY-SIZED GALAXIES. Astrophysical Journal, 2016, 829, 98.	4.5	21
36	SDSS IV MaNGA: the global and local stellar mass assemby histories of galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2799-2818.	4.4	95

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37	THE INNER STRUCTURE OF DWARF-SIZED HALOS IN WARM AND COLD DARK MATTER COSMOLOGIES. Astrophysical Journal, 2016, 819, 101.	4.5	19
38	Analysis of the very inner MilkyÂWay dark matter distribution and gamma-ray signals. Physical Review D, 2016, 94, .	4.7	15
39	GARROTXA COSMOLOGICAL SIMULATIONS OF MILKY WAY-SIZED GALAXIES: GENERAL PROPERTIES, HOT-GAS DISTRIBUTION, AND MISSING BARYONS. Astrophysical Journal, 2016, 824, 94.	4.5	23
40	THE STELLAR-TO-HALO MASS RELATION OF LOCAL GALAXIES SEGREGATES BY COLOR. Astrophysical Journal, 2015, 799, 130.	4.5	100
41	SIMULATIONS OF GALAXIES FORMED IN WARM DARK MATTER HALOS OF MASSES AT THE FILTERING SCALE. Astrophysical Journal, 2015, 803, 28.	4.5	28
42	OVERVIEW OF THE SDSS-IV MaNGA SURVEY: MAPPING NEARBY GALAXIES AT APACHE POINT OBSERVATORY. Astrophysical Journal, 2015, 798, 7.	4.5	1,119
43	CENTRAL GALAXIES IN DIFFERENT ENVIRONMENTS: DO THEY HAVE SIMILAR PROPERTIES?. Astrophysical Journal, 2014, 788, 29.	4.5	28
44	The growth of galactic bulges through mergers in Î› cold dark matter haloes revisited â€“ II. Morphological mix evolution. Monthly Notices of the Royal Astronomical Society, 2014, 441, 417-430.	4.4	15
45	SIMULATIONS OF ISOLATED DWARF GALAXIES FORMED IN DARK MATTER HALOS WITH DIFFERENT MASS ASSEMBLY HISTORIES. Astrophysical Journal, 2014, 785, 58.	4.5	18
46	On the mass assembly of low-mass galaxies in hydrodynamical simulations of structure formation. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2736-2752.	4.4	18
47	Mass function and assembly of dark haloes: an approach to inventory isolated overdense regions in random fields. Monthly Notices of the Royal Astronomical Society, 2013, 432, 2420-2432.	4.4	2
48	THE MASSIVE SATELLITE POPULATION OF MILKY-WAY-SIZED GALAXIES. Astrophysical Journal, 2013, 773, 172.	4.5	24
49	THE GALAXY-HALO/SUBHALO CONNECTION: MASS RELATIONS AND IMPLICATIONS FOR SOME SATELLITE OCCUPATIONAL DISTRIBUTIONS. Astrophysical Journal, 2013, 767, 92.	4.5	50
50	THE STELLAR-SUBHALO MASS RELATION OF SATELLITE GALAXIES. Astrophysical Journal, 2012, 756, 2.	4.5	66
51	The growth of galactic bulges through mergers in Î› CDM haloes revisited â€“ I. Present-day properties. Monthly Notices of the Royal Astronomical Society, 2012, 427, 1503-1516.	4.4	33
52	THE SPECIFIC STAR FORMATION RATE AND STELLAR MASS FRACTION OF LOW-MASS CENTRAL GALAXIES IN COSMOLOGICAL SIMULATIONS. Astrophysical Journal, 2011, 736, 134.	4.5	34
53	Cosmological simulations of low-mass galaxies: some potential issues. Proceedings of the International Astronomical Union, 2010, 6, 503-506.	0.0	0
54	LOW-MASS GALAXY FORMATION IN COSMOLOGICAL ADAPTIVE MESH REFINEMENT SIMULATIONS: THE EFFECTS OF VARYING THE SUB-GRID PHYSICS PARAMETERS. Astrophysical Journal, 2010, 713, 535-551.	4.5	30

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55	GALAXY DOWNSIZING EVIDENCED BY HYBRID EVOLUTIONARY TRACKS. Astrophysical Journal, 2010, 723, 755-766.	4.5	31
56	Can galaxy outflows and re-accretion produce a downsizing in the specific star-formation rate of late-type galaxies?. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	9
57	Time-resolved spectral correlations of long-duration Î³-ray bursts. Monthly Notices of the Royal Astronomical Society, 2009, 393, 1209-1218.	4.4	30
58	The size evolution of galaxy discs formed within Î› cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1675-1681.	4.4	23
59	A MORPHOLOGICAL RE-EVALUATION OF GALAXIES IN COMMON FROM THE CATALOG OF ISOLATED GALAXIES AND THE SLOAN DIGITAL SKY SURVEY (DR6). Astronomical Journal, 2008, 136, 2115-2135.	4.7	33
60	On the Structure of Dark Matter Halos at the Damping Scale of the Power Spectrum with and without Relict Velocities. Astrophysical Journal, 2008, 673, 203-214.	4.5	92
61	ON THE BARYONIC, STELLAR, AND LUMINOUS SCALING RELATIONS OF DISK GALAXIES. Astronomical Journal, 2008, 136, 1340-1360.	4.7	62
62	BVRISurface Photometry of Isolated Spiral Galaxies. Astronomical Journal, 2007, 134, 2286-2307.	4.7	15
63	The Dependence of the Mass Assembly History of Cold Dark Matter Halos on Environment. Astrophysical Journal, 2007, 654, 53-65.	4.5	97
64	The role of afterglow break-times as gamma-ray burst jet angle indicators. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1464-1472.	4.4	18
65	Spectral analysis of Swift long gamma-ray bursts with known redshift. Monthly Notices of the Royal Astronomical Society, 2007, 382, 342-355.	4.4	37
66	Understanding Galaxy Formation and Evolution. , 2007, , 115-164.		4
67	The Effects of Interactions on the Structure and Morphology of Elliptical/Lenticular Galaxies in Pairs. Astronomical Journal, 2006, 132, 71-84.	4.7	19
68	The Hubble diagram extended to z >>1: the gamma-ray properties of gamma-ray bursts confirm the Â cold dark matter model. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 372, L28-L32.	3.3	45
69	Discovery of a tight correlation among the prompt emission properties of long gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2006, 370, 185-197.	4.4	103
70	Deuterated hydrogen molecule and search for early structure-formation signatures in the Universe. Monthly Notices of the Royal Astronomical Society, 2006, 369, 2005-2012.	4.4	6
71	The Dependence on Environment of Cold Dark Matter Halo Properties. Astrophysical Journal, 2005, 634, 51-69.	4.5	104
72	The Structural Properties of Isolated Galaxies, Spiral-Spiral Pairs, and Mergers: The Robustness of Galaxy Morphology during Secular Evolution. Astronomical Journal, 2005, 129, 682-697.	4.7	49

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73	The cooling function of HD molecule revisited. Monthly Notices of the Royal Astronomical Society, 2005, 361, 850-854.	4.4	67
74	Secular evolution of galactic discs: constraints on phase-space density. Monthly Notices of the Royal Astronomical Society, 2005, 361, 997-1004.	4.4	15
75	A new method optimized to use gamma-ray bursts as cosmic rulers. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 360, L1-L5.	3.3	65
76	Formation Rate, Evolving Luminosity Function, Jet Structure, and Progenitors for Long Gammaâ€Ray Bursts. Astrophysical Journal, 2004, 611, 1033-1040.	4.5	77
77	The Effects of Nonâ€Gaussian Initial Conditions on the Structure and Substructure of Cold Dark Matter Halos. Astrophysical Journal, 2003, 598, 36-48.	4.5	22
78	The luminous and dark matter content of disk galaxies. Astronomy and Astrophysics, 2003, 412, 633-650.	5.1	55
79	Structure and Subhalo Population of Halos in a Selfâ€interacting Dark Matter Cosmology. Astrophysical Journal, 2002, 581, 777-793.	4.5	102
80	Formation and Structure of Halos in a Warm Dark Matter Cosmology. Astrophysical Journal, 2001, 559, 516-530.	4.5	204
81	Constraints on dark matter physics from dwarf galaxies through galaxy cluster haloes. Monthly Notices of the Royal Astronomical Society, 2001, 321, 713-722.	4.4	64
82	A cosmological study of the star formation history in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2001, 327, 329-338.	4.4	23
83	Turbulent Dissipation in the Interstellar Medium: The Coexistence of Forced and Decaying Regimes and Implications for Galaxy Formation and Evolution. Astrophysical Journal, 2001, 553, 645-660.	4.5	34
84	Substructure and Halo Density Profiles in a Warm Dark Matter Cosmology. Astrophysical Journal, 2000, 542, 622-630.	4.5	327
85	Disc galaxy evolution models in a hierarchical formation scenario: structure and dynamics. Monthly Notices of the Royal Astronomical Society, 2000, 315, 457-472.	4.4	85
86	Evidence of self-interacting cold dark matter from galactic to galaxy cluster scales. Monthly Notices of the Royal Astronomical Society, 2000, 315, L29-L32.	4.4	110
87	Density profiles of dark matter haloes: diversity and dependence on environment. Monthly Notices of the Royal Astronomical Society, 1999, 310, 527-539.	4.4	78
88	On the Formation and Evolution of Disk Galaxies: Cosmological Initial Conditions and the Gravitational Collapse. Astrophysical Journal, 1998, 505, 37-49.	4.5	169