

Vladimir Avila-Reese

List of Publications by Year in descending order

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88
papers

8,658
citations

94433

37
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91
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docs citations

91
times ranked

7314
citing authors

#	ARTICLE	IF	CITATIONS
1	OVERVIEW OF THE SDSS-IV MaNGA SURVEY: MAPPING NEARBY GALAXIES AT APACHE POINT OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 798, 7.	4.5	1,119
2	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
3	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
4	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. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
5	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. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
6	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
7	Substructure and Halo Density Profiles in a Warm Dark Matter Cosmology. <i>Astrophysical Journal</i> , 2000, 542, 622-630.	4.5	327
8	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299
9	Formation and Structure of Halos in a Warm Dark Matter Cosmology. <i>Astrophysical Journal</i> , 2001, 559, 516-530.	4.5	204
10	On the Formation and Evolution of Disk Galaxies: Cosmological Initial Conditions and the Gravitational Collapse. <i>Astrophysical Journal</i> , 1998, 505, 37-49.	4.5	169
11	Constraining the galaxy-halo connection over the last 13.3 Gyr: star formation histories, galaxy mergers and structural properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 651-687.	4.4	166
12	Evidence of self-interacting cold dark matter from galactic to galaxy cluster scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, L29-L32.	4.4	110
13	The Dependence on Environment of Cold Dark Matter Halo Properties. <i>Astrophysical Journal</i> , 2005, 634, 51-69.	4.5	104
14	Discovery of a tight correlation among the prompt emission properties of long gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 185-197.	4.4	103
15	Structure and Subhalo Population of Halos in a Self-interacting Dark Matter Cosmology. <i>Astrophysical Journal</i> , 2002, 581, 777-793.	4.5	102
16	THE STELLAR-TO-HALO MASS RELATION OF LOCAL GALAXIES SEGREGATES BY COLOR. <i>Astrophysical Journal</i> , 2015, 799, 130.	4.5	100
17	The Dependence of the Mass Assembly History of Cold Dark Matter Halos on Environment. <i>Astrophysical Journal</i> , 2007, 654, 53-65.	4.5	97
18	SDSS IV MaNGA: the global and local stellar mass assembly histories of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2799-2818.	4.4	95

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19	On the Structure of Dark Matter Halos at the Damping Scale of the Power Spectrum with and without Relict Velocities. <i>Astrophysical Journal</i> , 2008, 673, 203-214.	4.5	92
20	Disc galaxy evolution models in a hierarchical formation scenario: structure and dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, 457-472.	4.4	85
21	Density profiles of dark matter haloes: diversity and dependence on environment. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 310, 527-539.	4.4	78
22	Formation Rate, Evolving Luminosity Function, Jet Structure, and Progenitors for Long Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2004, 611, 1033-1040.	4.5	77
23	A dusty star-forming galaxy at $z = 6$ revealed by strong gravitational lensing. <i>Nature Astronomy</i> , 2018, 2, 56-62.	10.1	74
24	The cooling function of HD molecule revisited. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 850-854.	4.4	67
25	THE STELLAR-SUBHALO MASS RELATION OF SATELLITE GALAXIES. <i>Astrophysical Journal</i> , 2012, 756, 2.	4.5	66
26	A new method optimized to use gamma-ray bursts as cosmic rulers. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 360, L1-L5.	3.3	65
27	SDSS-IV MaNGA – an archaeological view of the cosmic star formation history. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1557-1586.	4.4	65
28	Constraints on dark matter physics from dwarf galaxies through galaxy cluster haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 321, 713-722.	4.4	64
29	SDSS-IV MaNGA: effects of morphology in the global and local star formation main sequences. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3929-3948.	4.4	63
30	ON THE BARYONIC, STELLAR, AND LUMINOUS SCALING RELATIONS OF DISK GALAXIES. <i>Astronomical Journal</i> , 2008, 136, 1340-1360.	4.7	62
31	The luminous and dark matter content of disk galaxies. <i>Astronomy and Astrophysics</i> , 2003, 412, 633-650.	5.1	55
32	THE GALAXY-HALO/SUBHALO CONNECTION: MASS RELATIONS AND IMPLICATIONS FOR SOME SATELLITE OCCUPATIONAL DISTRIBUTIONS. <i>Astrophysical Journal</i> , 2013, 767, 92.	4.5	50
33	The Structural Properties of Isolated Galaxies, Spiral-Spiral Pairs, and Mergers: The Robustness of Galaxy Morphology during Secular Evolution. <i>Astronomical Journal</i> , 2005, 129, 682-697.	4.7	49
34	Optical integral field spectroscopy observations applied to simulated galaxies: testing the fossil record method. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 4525-4550.	4.4	47
35	The Hubble diagram extended to $z \gg 1$: the gamma-ray properties of gamma-ray bursts confirm the Λ cold dark matter model. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006, 372, L28-L32.	3.3	45
36	MaNGA-MaNGA: follow-up for the MaNGA survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3396-3405.	4.4	44

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37	Kinematic scaling relations of CALIFA galaxies: A dynamical mass proxy for galaxies across the Hubble sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2133-2146.	4.4	40
38	Spectral analysis of Swift long gamma-ray bursts with known redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 342-355.	4.4	37
39	THE SPECIFIC STAR FORMATION RATE AND STELLAR MASS FRACTION OF LOW-MASS CENTRAL GALAXIES IN COSMOLOGICAL SIMULATIONS. <i>Astrophysical Journal</i> , 2011, 736, 134.	4.5	34
40	The first 62 AGN observed with SDSS-IV MaNGA â€” II. Resolved stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 5491-5504.	4.4	34
41	H α -MaNGA: tracing the physics of the neutral and ionized ISM with the second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1345-1366.	4.4	34
42	Turbulent Dissipation in the Interstellar Medium: The Coexistence of Forced and Decaying Regimes and Implications for Galaxy Formation and Evolution. <i>Astrophysical Journal</i> , 2001, 553, 645-660.	4.5	34
43	A MORPHOLOGICAL RE-EVALUATION OF GALAXIES IN COMMON FROM THE CATALOG OF ISOLATED GALAXIES AND THE SLOAN DIGITAL SKY SURVEY (DR6). <i>Astronomical Journal</i> , 2008, 136, 2115-2135.	4.7	33
44	The growth of galactic bulges through mergers in Λ CDM haloes revisited â€” I. Present-day properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1503-1516.	4.4	33
45	GALAXY DOWNSIZING EVIDENCED BY HYBRID EVOLUTIONARY TRACKS. <i>Astrophysical Journal</i> , 2010, 723, 755-766.	4.5	31
46	Clustering and halo abundances in early dark energy cosmological models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 769-781.	4.4	31
47	Time-resolved spectral correlations of long-duration γ -ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1209-1218.	4.4	30
48	LOW-MASS GALAXY FORMATION IN COSMOLOGICAL ADAPTIVE MESH REFINEMENT SIMULATIONS: THE EFFECTS OF VARYING THE SUB-GRID PHYSICS PARAMETERS. <i>Astrophysical Journal</i> , 2010, 713, 535-551.	4.5	30
49	CENTRAL GALAXIES IN DIFFERENT ENVIRONMENTS: DO THEY HAVE SIMILAR PROPERTIES?. <i>Astrophysical Journal</i> , 2014, 788, 29.	4.5	28
50	SIMULATIONS OF GALAXIES FORMED IN WARM DARK MATTER HALOS OF MASSES AT THE FILTERING SCALE. <i>Astrophysical Journal</i> , 2015, 803, 28.	4.5	28
51	Isolated elliptical galaxies in the local Universe. <i>Astronomy and Astrophysics</i> , 2016, 588, A79.	5.1	27
52	SDSS-IV MaNGA: Global and local stellar population properties of elliptical galaxies. <i>Astronomy and Astrophysics</i> , 2020, 644, A117.	5.1	26
53	THE MASSIVE SATELLITE POPULATION OF MILKY-WAY-SIZED GALAXIES. <i>Astrophysical Journal</i> , 2013, 773, 172.	4.5	24
54	A cosmological study of the star formation history in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 329-338.	4.4	23

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55	The size evolution of galaxy discs formed within Λ cold dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1675-1681.	4.4	23
56	GARROTXA COSMOLOGICAL SIMULATIONS OF MILKY WAY-SIZED GALAXIES: GENERAL PROPERTIES, HOT-GAS DISTRIBUTION, AND MISSING BARYONS. Astrophysical Journal, 2016, 824, 94.	4.5	23
57	The Effects of Non-Gaussian Initial Conditions on the Structure and Substructure of Cold Dark Matter Halos. Astrophysical Journal, 2003, 598, 36-48.	4.5	22
58	COSMOLOGICAL SIMULATIONS OF MILKY WAY-SIZED GALAXIES. Astrophysical Journal, 2016, 829, 98.	4.5	21
59	A Universal Fundamental Plane and the $M_{\text{dyn}} \propto M_{\text{star}}$ Relation for Galaxies with CALIFA and MaNGA. Astrophysical Journal, 2020, 900, 109.	4.5	21
60	The Effects of Interactions on the Structure and Morphology of Elliptical/Lenticular Galaxies in Pairs. Astronomical Journal, 2006, 132, 71-84.	4.7	19
61	THE INNER STRUCTURE OF DWARF-SIZED HALOS IN WARM AND COLD DARK MATTER COSMOLOGIES. Astrophysical Journal, 2016, 819, 101.	4.5	19
62	<i>SDSS-IV MaNGA</i> : Excavating the fossil record of stellar populations in spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3387-3402.	4.4	19
63	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
64	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
65	SIMULATIONS OF ISOLATED DWARF GALAXIES FORMED IN DARK MATTER HALOS WITH DIFFERENT MASS ASSEMBLY HISTORIES. Astrophysical Journal, 2014, 785, 58.	4.5	18
66	Early Science with the Large Millimeter Telescope: Detection of Dust Emission in Multiple Images of a Normal Galaxy at $z \approx 4$ Lensed by a Frontier Fields Cluster. Astrophysical Journal, 2017, 838, 137.	4.5	18
67	The bivariate gas-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
68	Secular evolution of galactic discs: constraints on phase-space density. Monthly Notices of the Royal Astronomical Society, 2005, 361, 997-1004.	4.4	15
69	<i>BVRI</i> Surface Photometry of Isolated Spiral Galaxies. Astronomical Journal, 2007, 134, 2286-2307.	4.7	15
70	The growth of galactic bulges through mergers in Λ cold dark matter haloes revisited II. Morphological mix evolution. Monthly Notices of the Royal Astronomical Society, 2014, 441, 417-430.	4.4	15
71	Analysis of the very inner Milky Way dark matter distribution and gamma-ray signals. Physical Review D, 2016, 94, .	4.7	15
72	The Global and Radial Stellar Mass Assembly of Milky Way-sized Galaxies. Astrophysical Journal, 2018, 854, 152.	4.5	14

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73	The evolution of compact massive quiescent and star-forming galaxies derived from the $R_{225} < i > h$ and $M_{225} < i > star$ relations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4555-4570.	4.4	13
74	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
75	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
76	Field spheroid-dominated galaxies in a Λ -CDM Universe. Astronomy and Astrophysics, 2018, 614, A85.	5.1	7
77	The galaxy $(sub)halo$ connection and the $(sub)halo$ spatial clustering of local galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1507-1525.	4.4	7
78	SDSS-IV MaNGA: when is morphology imprinted on galaxies?. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 500, L42-L46.	3.3	7
79	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
80	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
81	The galaxy $(sub)halo$ 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
82	Size, shade, or shape? The contribution of galaxies of different types to the star formation history of the Universe from SDSS-IV MaNGA. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3128-3143.	4.4	5
83	The $(sub)halo$ 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
84	Understanding Galaxy Formation and Evolution. , 2007, , 115-164.		4
85	The Star-forming Main Sequence and the Contribution of Dust-obscured Star Formation since $z \sim 1/4$ from the Far-UV+IR Luminosity Functions. Astrophysical Journal, 2020, 905, 171.	4.5	4
86	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
87	Cosmological simulations of low-mass galaxies: some potential issues. Proceedings of the International Astronomical Union, 2010, 6, 503-506.	0.0	0
88	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