

# C Marcella Carollo

## List of Publications by Year in descending order

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42  
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159585  
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#	ARTICLE	IF	CITATIONS
1	MASS AND ENVIRONMENT AS DRIVERS OF GALAXY EVOLUTION IN SDSS AND zCOSMOS AND THE ORIGIN OF THE SCHECHTER FUNCTION. <i>Astrophysical Journal</i> , 2010, 721, 193-221.	4.5	1,485
2	GAS REGULATION OF GALAXIES: THE EVOLUTION OF THE COSMIC SPECIFIC STAR FORMATION RATE, THE METALLICITY-MASS-STAR-FORMATION RATE RELATION, AND THE STELLAR CONTENT OF HALOS. <i>Astrophysical Journal</i> , 2013, 772, 119.	4.5	626
3	THE zCOSMOS 10k-BRIGHT SPECTROSCOPIC SAMPLE. <i>Astrophysical Journal, Supplement Series</i> , 2009, 184, 218-229.	7.7	481
4	PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions*. <i>Astrophysical Journal</i> , 2018, 853, 179.	4.5	467
5	The Secular Evolution of Disk Structural Parameters. <i>Astrophysical Journal</i> , 2006, 645, 209-227.	4.5	365
6	THE CHANDRA COSMOS SURVEY. I. OVERVIEW AND POINT SOURCE CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2009, 184, 158-171.	7.7	361
7	MASS AND ENVIRONMENT AS DRIVERS OF GALAXY EVOLUTION. II. THE QUENCHING OF SATELLITE GALAXIES AS THE ORIGIN OF ENVIRONMENTAL EFFECTS. <i>Astrophysical Journal</i> , 2012, 757, 4.	4.5	325
8	The confinement of star-forming galaxies into a main sequence through episodes of gas compaction, depletion and replenishment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 2790-2813.	4.4	239
9	The MUSE Hubble Ultra Deep Field Survey. <i>Astronomy and Astrophysics</i> , 2017, 608, A1.	5.1	236
10	UBIQUITOUS GIANT Ly $\alpha$ NEBULAE AROUND THE BRIGHTEST QUASARS AT $z \sim 3.5$ REVEALED WITH MUSE. <i>Astrophysical Journal</i> , 2016, 831, 39.	4.5	201
11	Evolution of density profiles in high- $z$ galaxies: compaction and quenching inside-out. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 242-263.	4.4	191
12	THE SINS/zC-SINF SURVEY of $z \sim 2$ GALAXY KINEMATICS: OUTFLOW PROPERTIES. <i>Astrophysical Journal</i> , 2012, 761, 43.	4.5	182
13	The MUSE Hubble Ultra Deep Field Survey. <i>Astronomy and Astrophysics</i> , 2017, 608, A8.	5.1	167
14	The SINS/zC-SINF Survey of $z \sim 2$ Galaxy Kinematics: SINFONI Adaptive Optics-assisted Data and Kiloparsec-scale Emission-line Properties. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 21.	7.7	143
15	SURFACE DENSITY EFFECTS IN QUENCHING: CAUSE OR EFFECT?. <i>Astrophysical Journal</i> , 2016, 833, 1.	4.5	118
16	The KMOS 3D Survey: Demographics and Properties of Galactic Outflows at $z \sim 0.6$ . <i>Astrophysical Journal</i> , 2019, 875, 21.	4.5	118
17	ISM EXCITATION AND METALLICITY OF STAR-FORMING GALAXIES AT $z \sim 3.3$ FROM NEAR-IR SPECTROSCOPY. <i>Astrophysical Journal</i> , 2016, 822, 42.	4.5	110
18	Dust Attenuation, Bulge Formation, and Inside-out Quenching of Star Formation in Star-forming Main Sequence Galaxies at $z \sim 2$ . <i>Astrophysical Journal</i> , 2018, 859, 56.	4.5	100

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19	CONFIRMATION OF THE COMPACTNESS OF A $z = 1.91$ QUIESCENT GALAXY WITH HUBBLE SPACE TELESCOPE'S WIDE FIELD CAMERA 3. <i>Astrophysical Journal Letters</i> , 2010, 714, L244-L248.	8.3	97
20	Dynamics and stellar populations in early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 270, 523-569.	4.4	94
21	THE AGES, METALLICITIES, AND ELEMENT ABUNDANCE RATIOS OF MASSIVE QUENCHED GALAXIES AT $z \sim 1.6$ . <i>Astrophysical Journal</i> , 2015, 808, 161.	4.5	91
22	The MUSE Atlas of Disks (MAD): resolving star formation rates and gas metallicities on $<100$ pc scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5009-5027.	4.4	80
23	The Subaru COSMOS 20: Subaru optical imaging of the HST COSMOS field with 20 filters. <i>Publication of the Astronomical Society of Japan</i> , 2015, 67, .	2.5	65
24	MINOR MERGERS OR PROGENITOR BIAS? THE STELLAR AGES OF SMALL AND LARGE QUENCHED GALAXIES. <i>Astrophysical Journal</i> , 2016, 831, 173.	4.5	62
25	Connection between Stellar Mass Distributions within Galaxies and Quenching Since $z \sim 2$ . <i>Astrophysical Journal</i> , 2017, 837, 2.	4.5	58
26	Large Stellar Disks in Small Elliptical Galaxies. <i>Astrophysical Journal</i> , 1999, 513, L25-L28.	4.5	55
27	THE ZURICH ENVIRONMENTAL STUDY OF GALAXIES IN GROUPS ALONG THE COSMIC WEB. I. WHICH ENVIRONMENT AFFECTS GALAXY EVOLUTION?. <i>Astrophysical Journal</i> , 2013, 776, 71.	4.5	50
28	Dark Galaxy Candidates at Redshift $z \sim 3.5$ Detected with MUSE*. <i>Astrophysical Journal</i> , 2018, 859, 53.	4.5	37
29	Constraints on Quenching of $z \sim 2$ Massive Galaxies from the Evolution of the Average Sizes of Star-forming and Quenched Populations in COSMOS. <i>Astrophysical Journal</i> , 2017, 839, 71.	4.5	36
30	Multimass spherical structure models for N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 1543-1556.	4.4	35
31	Stacking the Cosmic Web in fluorescent Ly $\alpha$ emission with MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3854-3869.	4.4	30
32	THE RED SEQUENCE AT BIRTH IN THE GALAXY CLUSTER Cl J1449+0856 AT $z = 2$ . <i>Astrophysical Journal Letters</i> , 2016, 833, L20.	8.3	28
33	On the Evolution of the Central Density of Quiescent Galaxies. <i>Astrophysical Journal Letters</i> , 2017, 844, L1.	8.3	28
34	A GIANT LY $\alpha$ NEBULA IN THE CORE OF AN X-RAY CLUSTER AT $z = 1.99$ : IMPLICATIONS FOR EARLY ENERGY INJECTION. <i>Astrophysical Journal</i> , 2016, 829, 53.	4.5	27
35	The infrared-radio correlation of spheroid- and disc-dominated star-forming galaxies to $z \sim 1.5$ in the COSMOS field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 827-838.	4.4	27
36	The MUSE Atlas of Discs (MAD): Ionized gas kinematic maps and an application to diffuse ionized gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4089-4107.	4.4	24

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37	MASS AND ENVIRONMENT AS DRIVERS OF GALAXY EVOLUTION. III. THE CONSTANCY OF THE FAINT-END SLOPE AND THE MERGING OF GALAXIES. <i>Astrophysical Journal</i> , 2014, 790, 95.	4.5	17
38	Supernova remnants, planetary nebulae and the distance to NGC 4214. <i>Astrophysics and Space Science</i> , 2010, 330, 123-131.	1.4	15
39	DISCOVERY OF MASSIVE, MOSTLY STAR FORMATION QUENCHED GALAXIES WITH EXTREMELY LARGE Ly $\alpha$ EQUIVALENT WIDTHS AT $z \sim 3$ . <i>Astrophysical Journal Letters</i> , 2015, 809, L7.	8.3	14
40	The build-up of the outskirts of distant star-forming galaxies at $z \sim 2$ . <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 327-329.	0.0	1
41	The Intriguing Life of Massive Galaxies: The Connections between $\hat{\sigma}_s$ , $\hat{\sigma}^2$ and Merging. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 167-170.	0.0	0
42	A phenomenological approach to the evolution of galaxies. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 141-150.	0.0	0