

# Roberto Abraham

## List of Publications by Year in descending order

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47  
papers

2,591  
citations

218677

26  
h-index

223800

46  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1530  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Method to Characterize the Wide-angle Point-Spread Function of Astronomical Images. <i>Astrophysical Journal</i> , 2022, 925, 219.	4.5	8
2	The Near-infrared Imager and Slitless Spectrograph for the James Webb Space Telescope. II. Wide Field Slitless Spectroscopy. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 025002.	3.1	39
3	NGC 5846-UDG1: A Galaxy Formed Mostly by Star Formation in Massive, Extremely Dense Clumps of Gas. <i>Astrophysical Journal Letters</i> , 2022, 927, L28.	8.3	23
4	Across the green valley with <i>HST</i> grisms: colour evolution, crossing time-scales, and the growth of the red sequence at $z=1.0\text{--}1.8$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3566-3588.	4.4	9
5	Stellar masses of clumps in gas-rich, turbulent disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3079-3097.	4.4	5
6	A Giant Shell of Ionized Gas Discovered near M82 with the Dragonfly Spectral Line Mapper Pathfinder. <i>Astrophysical Journal</i> , 2022, 927, 136.	4.5	2
7	A trail of dark-matter-free galaxies from a bullet-dwarf collision. <i>Nature</i> , 2022, 605, 435-439.	27.8	32
8	Stellar Halos from the The Dragonfly Edge-on Galaxies Survey. <i>Astrophysical Journal</i> , 2022, 932, 44.	4.5	7
9	The Dragonfly Wide Field Survey. II. Accurate Total Luminosities and Colors of Nearby Massive Galaxies and Implications for the Galaxy Stellar-mass Function. <i>Astrophysical Journal</i> , 2021, 909, 74.	4.5	7
10	A Tip of the Red Giant Branch Distance of $22.1 \pm 1.2$ Mpc to the Dark Matter Deficient Galaxy NGC 1052-DF2 from 40 Orbits of Hubble Space Telescope Imaging. <i>Astrophysical Journal Letters</i> , 2021, 914, L12.	8.3	35
11	Giant star-forming complexes in high- $z$ main-sequence galaxy analogues: the internal structure of clumps in DYNAMO galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3916-3934.	4.4	9
12	A Nascent Tidal Dwarf Galaxy Forming within the Northern H I Streamer of M82. <i>Astrophysical Journal Letters</i> , 2021, 923, L21.	8.3	5
13	A Tip of the Red Giant Branch Distance to the Dark Matter Deficient Galaxy NGC 1052-DF4 from Deep Hubble Space Telescope Data. <i>Astrophysical Journal Letters</i> , 2020, 895, L4.	8.3	36
14	Multi-resolution Filtering: An Empirical Method for Isolating Faint, Extended Emission in Dragonfly Data and Other Low Resolution Images. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 074503.	3.1	16
15	Spectroscopic Constraints on the Buildup of Intracluster Light in the Coma Cluster. <i>Astrophysical Journal</i> , 2020, 894, 32.	4.5	12
16	The Dragonfly Wide Field Survey. I. Telescope, Survey Design, and Data Characterization. <i>Astrophysical Journal</i> , 2020, 894, 119.	4.5	35
17	The Dragonfly Edge-on Galaxies Survey: Shaping the Outer disk of NGC 4565 via Accretion. <i>Astrophysical Journal</i> , 2020, 897, 108.	4.5	11
18	Wide-field ultra-narrow-bandpass imaging with the Dragonfly Telephoto Array. , 2020, , .		3

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19	On the Detectability of Visible-wavelength Line Emission from the Local Circumgalactic and Intergalactic Medium. <i>Astrophysical Journal</i> , 2019, 877, 4.	4.5	10
20	Spatially Resolved Stellar Kinematics of the Ultra-diffuse Galaxy Dragonfly 44. II. Constraints on Fuzzy Dark Matter. <i>Astrophysical Journal</i> , 2019, 885, 155.	4.5	33
21	Spatially Resolved Stellar Kinematics of the Ultra-diffuse Galaxy Dragonfly 44. I. Observations, Kinematics, and Cold Dark Matter Halo Fits. <i>Astrophysical Journal</i> , 2019, 880, 91.	4.5	76
22	A Second Galaxy Missing Dark Matter in the NGC 1052 Group. <i>Astrophysical Journal Letters</i> , 2019, 874, L5.	8.3	129
23	Still Missing Dark Matter: KCWI High-resolution Stellar Kinematics of NGC1052-DF2. <i>Astrophysical Journal Letters</i> , 2019, 874, L12.	8.3	82
24	The Distribution of Ultra-diffuse and Ultra-compact Galaxies in the Frontier Fields. <i>Astrophysical Journal</i> , 2019, 887, 92.	4.5	30
25	Dragonfly Imaging of the Galaxy NGC 5907: A Different View of the Iconic Stellar Stream. <i>Astrophysical Journal Letters</i> , 2019, 883, L32.	8.3	25
26	The Distance to NGC 1042 in the Context of its Proposed Association with the Dark Matter-deficient Galaxies NGC 1052-DF2 and NGC 1052-DF4. <i>Research Notes of the AAS</i> , 2019, 3, 29.	0.7	9
27	An Enigmatic Population of Luminous Globular Clusters in a Galaxy Lacking Dark Matter. <i>Astrophysical Journal Letters</i> , 2018, 856, L30.	8.3	74
28	The Dragonfly Nearby Galaxies Survey. IV. A Giant Stellar Disk in NGC 2841. <i>Astrophysical Journal</i> , 2018, 855, 78.	4.5	17
29	A galaxy lacking dark matter. <i>Nature</i> , 2018, 555, 629-632.	27.8	268
30	A Deficit of Dark Matter from Jeans Modeling of the Ultra-diffuse Galaxy NGC 1052-DF2. <i>Astrophysical Journal Letters</i> , 2018, 863, L15.	8.3	31
31	The Dragonfly Nearby Galaxies Survey. V. HST/ACS Observations of 23 Low Surface Brightness Objects in the Fields of NGC 1052, NGC 1084, M96, and NGC 4258. <i>Astrophysical Journal</i> , 2018, 868, 96.	4.5	66
32	Low Metallicities and Old Ages for Three Ultra-diffuse Galaxies in the Coma Cluster. <i>Astrophysical Journal</i> , 2018, 859, 37.	4.5	56
33	The Maybe Stream: A Possible Cold Stellar Stream in the Ultra-diffuse Galaxy NGC1052-DF2. <i>Research Notes of the AAS</i> , 2018, 2, 16.	0.7	27
34	A Revised Velocity for the Globular Cluster GC-98 in the Ultra Diffuse Galaxy NGC 1052-DF2. <i>Research Notes of the AAS</i> , 2018, 2, 54.	0.7	25
35	Ultra-diffuse and Ultra-compact Galaxies in the Frontier Fields Cluster Abell 2744. <i>Astrophysical Journal Letters</i> , 2017, 839, L17.	8.3	55
36	The Dragonfly Nearby Galaxies Survey. III. The Luminosity Function of the M101 Group. <i>Astrophysical Journal</i> , 2017, 837, 136.	4.5	67

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37	Extensive Globular Cluster Systems Associated with Ultra Diffuse Galaxies in the Coma Cluster. <i>Astrophysical Journal Letters</i> , 2017, 844, L11.	8.3	104
38	Evidence of Absence of Tidal Features in the Outskirts of Ultra Diffuse Galaxies in the Coma Cluster. <i>Astrophysical Journal</i> , 2017, 851, 27.	4.5	30
39	Future Prospects: Deep Imaging of Galaxy Outskirts Using Telescopes Large and Small. <i>Astrophysics and Space Science Library</i> , 2017, , 333-358.	2.7	2
40	THE DRAGONFLY NEARBY GALAXIES SURVEY. II. ULTRA-DIFFUSE GALAXIES NEAR THE ELLIPTICAL GALAXY NGC 5485. <i>Astrophysical Journal</i> , 2016, 833, 168.	4.5	101
41	THE DRAGONFLY NEARBY GALAXIES SURVEY. I. SUBSTANTIAL VARIATION IN THE DIFFUSE STELLAR HALOS AROUND SPIRAL GALAXIES. <i>Astrophysical Journal</i> , 2016, 830, 62.	4.5	103
42	A HIGH STELLAR VELOCITY DISPERSION AND $\sim 1/4$ 100 GLOBULAR CLUSTERS FOR THE ULTRA-DIFFUSE GALAXY DRAGONFLY 44. <i>Astrophysical Journal Letters</i> , 2016, 828, L6.	8.3	193
43	Probing Galactic Outskirts with Dragonfly. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 137-146.	0.0	1
44	SPECTROSCOPIC CONFIRMATION OF THE EXISTENCE OF LARGE, DIFFUSE GALAXIES IN THE COMA CLUSTER. <i>Astrophysical Journal Letters</i> , 2015, 804, L26.	8.3	90
45	FORTY-SEVEN MILKY WAY-SIZED, EXTREMELY DIFFUSE GALAXIES IN THE COMA CLUSTER. <i>Astrophysical Journal Letters</i> , 2015, 798, L45.	8.3	386
46	THE DISCOVERY OF SEVEN EXTREMELY LOW SURFACE BRIGHTNESS GALAXIES IN THE FIELD OF THE NEARBY SPIRAL GALAXY M101. <i>Astrophysical Journal Letters</i> , 2014, 787, L37.	8.3	99
47	FIRST RESULTS FROM THE DRAGONFLY TELEPHOTO ARRAY: THE APPARENT LACK OF A STELLAR HALO IN THE MASSIVE SPIRAL GALAXY M101. <i>Astrophysical Journal Letters</i> , 2014, 782, L24.	8.3	108