

# Gastao B. Lima Neto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/290061/publications.pdf>

Version: 2024-02-01

56  
papers

1,195  
citations

361413

20  
h-index

377865

34  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant Ringlike Radio Structures Around Galaxy Cluster Abell 3376. <i>Science</i> , 2006, 314, 791-794.	12.6	149
2	The specific entropy of elliptical galaxies: an explanation for profile-shape distance indicators?. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 309, 481-495.	4.4	119
3	The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies, and redshifts with 12 optical filters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 241-267.	4.4	92
4	An XMM-Newton view of the cluster of galaxies Abell 85. <i>Astronomy and Astrophysics</i> , 2005, 432, 809-821.	5.1	91
5	A comprehensive picture of baryons in groups and clusters of galaxies. <i>Astronomy and Astrophysics</i> , 2013, 555, A66.	5.1	60
6	Star formation efficiency in galaxy clusters. <i>Astronomy and Astrophysics</i> , 2008, 485, 633-644.	5.1	46
7	Spiral-like structure at the centre of nearby clusters of galaxies. <i>Astronomy and Astrophysics</i> , 2010, 511, A15.	5.1	41
8	An XMM-Newton view of the extended "filament" near the cluster of galaxies Abell 85. <i>Astronomy and Astrophysics</i> , 2003, 403, L29-L32.	5.1	37
9	Cl 1205+44: A Fossil Group at $z = 0.59$ . <i>Astrophysical Journal</i> , 2005, 624, 124-134.	4.5	35
10	Simulations of the merging galaxy cluster Abell 3376. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 3249-3260.	4.4	34
11	Energy, entropy and mass scaling relations for elliptical galaxies. Towards a physical understanding of their photometric properties. <i>Astronomy and Astrophysics</i> , 2001, 379, 767-780.	5.1	33
12	Gemini and Chandra Observations of Abell 586, A Relaxed Strong Lensing Cluster. <i>Astrophysical Journal</i> , 2005, 630, 38-49.	4.5	31
13	The fate of the gaseous discs of galaxies that fall into clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4107-4115.	4.4	31
14	Structure and substructure analysis of DAFT/FADA galaxy clusters in the $[0.4 < z < 0.9]$ redshift range. <i>Astronomy and Astrophysics</i> , 2014, 561, A112.	5.1	29
15	The merger history of the complex cluster Abell 1758: a combined weak lensing and spectroscopic view. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2614-2632.	4.4	28
16	A NEW METHOD TO QUANTIFY X-RAY SUBSTRUCTURES IN CLUSTERS OF GALAXIES. <i>Astrophysical Journal</i> , 2012, 746, 139.	4.5	25
17	Simulating the shocks in the dissociative galaxy cluster Abell 1758N. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3309-3320.	4.4	23
18	Weak lensing and spectroscopic analysis of the nearby dissociative merging galaxy cluster Abell 3376. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4566-4578.	4.4	21

#	ARTICLE	IF	CITATIONS
19	Galaxy cluster mergers as triggers for the formation of jellyfish galaxies: case study of the A901/2 system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 906-914.	4.4	21
20	Simulations of gas sloshing in galaxy cluster Abell 2052. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2915-2924.	4.4	20
21	Diffuse light and building history of the galaxy cluster Abell 2667. <i>Astronomy and Astrophysics</i> , 2006, 460, 381-391.	5.1	17
22	The entropy of elliptical galaxies in Coma: a clue for a distance indicator. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 285, L41-L45.	4.4	15
23	An accurate cluster selection function for the J-PAS narrow-band wide-field survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 4291-4304.	4.4	15
24	The merging cluster of galaxies Abell 3376: an optical view. <i>Astronomy and Astrophysics</i> , 2013, 560, A78.	5.1	14
25	Revising the merger scenario of the galaxy cluster Abell 1644: a new gas poor structure discovered by weak gravitational lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2007-2021.	4.4	12
26	Witnessing the Formation of a Galaxy Cluster at $z = 0.485$ : Optical and X-ray Properties of RX J1117.4+0743 ([VMF 98] 097). <i>Astrophysical Journal</i> , 2007, 664, 777-790.	4.5	12
27	Structure and dynamics of the supercluster of galaxies SC0028-0005. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 868-878.	4.4	11
28	Non-virialized clusters for detection of dark energy–dark matter interaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2-13.	4.4	11
29	Mass profile and dynamical status of the $z \sim 0.8$ galaxy cluster LCDCS 0504. <i>Astronomy and Astrophysics</i> , 2014, 566, A149.	5.1	10
30	Simulations of gas sloshing induced by a newly discovered gas poor substructure in galaxy cluster Abell 1644. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2022-2034.	4.4	10
31	BeppoSAX observation of the cluster Abell 970. <i>Astronomy and Astrophysics</i> , 2003, 398, 31-39.	5.1	10
32	REVISITING THE FOSSIL GROUP CANDIDATES UGC 842 AND NGC 6034. <i>Astronomical Journal</i> , 2010, 139, 216-227.	4.7	9
33	Cluster and cluster galaxy evolution history from IR to X-ray observations of the young cluster RX J1257.2+4738 at $z = 0.866$ . <i>Astronomy and Astrophysics</i> , 2009, 503, 399-408.	5.1	8
34	SPITZER OBSERVATIONS OF A1763. II. CONSTRAINING THE NATURE OF ACTIVITY IN THE CLUSTER-FEEDING FILAMENT WITH VLA AND XMM-NEWTON DATA. <i>Astronomical Journal</i> , 2010, 140, 1891-1904.	4.7	8
35	The optical/X-ray connection: intra-cluster medium iron content and galaxy optical luminosity in 20 galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 357-366.	4.4	7
36	Properties of the circumgalactic medium in simulations compared to observations. <i>Astronomy and Astrophysics</i> , 2018, 609, A66.	5.1	6

#	ARTICLE	IF	CITATIONS
37	New observational constraints on interacting dark energy using galaxy clusters virial equilibrium states. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1944-1952.	4.4	6
38	XMM-Newton temperature maps for five intermediate redshift clusters of galaxies. Advances in Space Research, 2008, 42, 578-580.	2.6	5
39	Galaxy clusters as probes for cosmology and dark matter. International Journal of Modern Physics D, 2016, 25, 1630023.	2.1	5
40	A Gemini view of the galaxy cluster RXC J1504-0248: insights on the nature of the central gaseous filaments. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3279-3292.	4.4	5
41	Passive spirals and shock influenced star formation in the merging cluster A3376. Monthly Notices of the Royal Astronomical Society, 2020, 496, 442-455.	4.4	5
42	The cluster of galaxies Abell 376. Astronomy and Astrophysics, 2003, 407, 31-40.	5.1	5
43	Optical and X-ray structures of galaxy clusters. I. Astronomische Nachrichten, 1996, 317, 77-93.	1.2	4
44	Red sequence of Abell X-ray underluminous clusters. Monthly Notices of the Royal Astronomical Society, 2014, 441, 776-783.	4.4	4
45	The merging cluster Abell 85 caught between meals by XMM-Newton. Advances in Space Research, 2005, 36, 618-621.	2.6	3
46	Dark matter profile in clusters of galaxies. Brazilian Journal of Physics, 2005, 35, 1159-1162.	1.4	2
47	The structure and dynamics of Abell 1942. Astronomy and Astrophysics, 2008, 492, 345-354.	5.1	2
48	NGC 4104: A shell galaxy in a forming fossil group. Astronomy and Astrophysics, 2020, 641, A95.	5.1	2
49	Some New Observed Properties of Elliptical Galaxies. Astrophysics and Space Science, 2001, 276, 861-868.	1.4	1
50	An extension of the SHARC survey. Astronomy and Astrophysics, 2007, 472, 373-381.	5.1	1
51	New measurements of radial velocities in clusters of galaxies-V. Astronomy and Astrophysics, 2010, 515, A57.	5.1	1
52	X-ray and optical substructures of the DAFT/FADA survey clusters. Astronomische Nachrichten, 2013, 334, 329-332.	1.2	1
53	Two spectroscopically confirmed galaxy structures at $z = 0.61$ and $0.74$ in the CFHTLS Deep 3 field. Astronomy and Astrophysics, 2015, 575, A69.	5.1	1
54	Discovery of a cluster of galaxies behind the Milky Way: X-ray and optical observations. Astronomy and Astrophysics, 2006, 459, 415-422.	5.1	1

#	ARTICLE	IF	CITATIONS
55	Two physical laws for Elliptical galaxies: photometrical consequences. <i>Astrophysics and Space Science</i> , 2001, 277, 481-481.	1.4	0
56	Free-floating molecular clumps and gas mixing: hydrodynamic aftermaths of the intracluster interstellar medium interaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2191-2199.	4.4	0