Laerte Sodre Junior

List of Publications by Year
in descending order

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73 papers	3,599 citations	257450 24 h-index	155660 55 g-index
73 all docs	73 docs citations	73 times ranked	3830 citing authors

#	Article	IF	Citations
1	Data Release 2 of S-PLUS: Accurate template-fitting based photometry covering â^¼1000â€‰deg2 in 12 optical filters. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4590-4618.	4.4	16
2	The environment of QSO triplets at 1 â‰² z â‰² 1.5. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1507-1525.	4.4	1
3	Protocluster detection in simulations of HSCâ€“SSP and the 10-yr LSST forecast, using PCcones. Monthly Notices of the Royal Astronomical Society, 2021, 504, 5054-5073.	4.4	7
4	Deep Learning assessment of galaxy morphology in S-PLUS Data Release 1. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1937-1955.	4.4	8
5	On the discovery of stars, quasars, and galaxies in the Southern Hemisphere with S-PLUS DR2. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5847-5868.	4.4	16
6	Assessing the photometric redshift precision of the S-PLUS survey: the Stripe-82 as a test-case. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3884-3908.	4.4	12
7	The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies, and redshifts with 12 optical filters. Monthly Notices of the Royal Astronomical Society, 2019, 489, 241-267.	4.4	92
8	J-PLUS: A wide-field multi-band study of the M 15 globular cluster. Astronomy and Astrophysics, 2019, 622, A179.	5.1	18
9	J-PLUS: Identification of low-metallicity stars with artificial neural networks using SPHINX. Astronomy and Astrophysics, 2019, 622, A182.	5.1	38
10	The morphology of Hâ€‰Î±emission in CALIFA galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2717-2730.	4.4	0
11	The Discreteness-driven Relaxation of Collisionless Gravitating Systems: Entropy Evolution in External Potentials, N-dependence, and the Role of Chaos. Astrophysical Journal, 2019, 870, 128.	4.5	11
12	Turnaround radius in f(R) model. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 010-010.	5.4	24
13	Prime Focus Spectrograph (PFS) for the Subaru telescope: ongoing integration and future plans. , 2018, , .		15
14	Slit device assembly of Prime Focus Spectrograph for Subaru telescope. , 2018, , .		0
15	FRD characterization in large-scale for FOCCoS of Prime Focus Spectrograph for Subaru telescope. , 2018, , .		1
16	Permanent optical fiber cable for Prime Focus Spectrograph and Subaru telescope â€œCable Bâ€• , 2018, , .		0
17	The Arrow of Time in the Collapse of Collisionless Self-gravitating Systems: Non-validity of the Vlasovâ€“Poisson Equation during Violent Relaxation. Astrophysical Journal, 2017, 846, 125.	4.5	12
18	An optimal method for producing low-stress fibre optic cables for astronomy. , 2017, , .		1

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19	Prime Focus Spectrograph (PFS) for the Subaru telescope: overview, recent progress, and future perspectives. Proceedings of SPIE, 2016, , .	0.8	66
20	The Distribution of Stellar Populations within Galaxies. Proceedings of the International Astronomical Union, 2015, 11, 144-144.	0.0	0
21	Prime Focus Spectrograph for the Subaru telescope: massively multiplexed optical and near-infrared fiber spectrograph. Journal of Astronomical Telescopes, Instruments, and Systems, 2015, 1, 035001.	1.8	38
22	Statistical mechanics of self-gravitating systems: Mixing as a criterion for indistinguishability. Physical Review D, 2014, 90, .	4.7	9
23	Red sequence of Abell X-ray underluminous clusters. Monthly Notices of the Royal Astronomical Society, 2014, 441, 776-783.	4.4	4
24	Polish device for FOCCoS/PFS slit system. Proceedings of SPIE, 2014, , .	0.8	1
25	Progress with the Prime Focus Spectrograph for the Subaru Telescope: a massively multiplexed optical and near-infrared fiber spectrograph. , 2014, , .		3
26	Studying focal ratio degradation of optical fibers for Subaru's Prime Focus Spectrograph. , 2014, , .		6
27	Multi-fibers connectors systems for FOCCoS-PFS-Subaru. , 2014, , .		1
28	Slit device for FOCCoS-PFS-Subaru. , 2014, , .		1
29	MULEC: multiple lenses connectors for optical fibers. , 2014, , .		0
30	Extragalactic science, cosmology, and Galactic archaeology with the Subaru Prime Focus Spectrograph. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	469
31	Photometric Type Ia supernova surveys in narrow-band filters. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2313-2332.	4.4	3
32	Testing phenomenological and theoretical models of dark matter density profiles with galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2616-2624.	4.4	25
33	The nature of extremely red galaxies in the local universe. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2503-2508.	4.4	13
34	Stellar populations in superclusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 428, 906-911.	4.4	7
35	Galaxy triplets in Sloan Digital Sky Survey Data Release 7 - II. A connection with compact groups?. Monthly Notices of the Royal Astronomical Society, 2013, 433, 3547-3558.	4.4	16
36	FOCCoS for Subaru PFS. , 2012, , .		7

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37	Prime focus spectrograph: Subaru's future. Proceedings of SPIE, 2012, , .	0.8	24
38	Cosmology with large galaxy redshift surveys. , 2012, , .		1
39	Galaxy triplets in Sloan Digital Sky Survey Data Release 7 - I. Catalogue. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1897-1907.	4.4	19
40	Measuring large-scale structure with quasars in narrow-band filter surveys. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3251-3267.	4.4	22
41	GALExtin: A VO-Service for Estimating Galactic Interstellar Extinction. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 93-95.	0.3	1
42	DENSITY PROFILE, VELOCITY ANISOTROPY, AND LINE-OF-SIGHT EXTERNAL CONVERGENCE OF SLACS GRAVITATIONAL LENSES. Astrophysical Journal, 2011, 728, 33.	4.5	6
43	Morphological properties of superclusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1716-1726.	4.4	29
44	Photometric redshifts and k-corrections for the Sloan Digital Sky Survey Data Release 7. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1395-1408.	4.4	35
45	Creation of cosmic structure in the complex galaxy cluster merger Abell 2744. Monthly Notices of the Royal Astronomical Society, 2011, 417, 333-347.	4.4	212
46	AN OPTICAL AND X-RAY STUDY OF THE FOSSIL GROUP RX J1340.6+4018. Astronomical Journal, 2009, 138, 502-509.	4.7	17
47	The optical/X-ray connection: intra-cluster medium iron content and galaxy optical luminosity in 20 galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2009, 394, 357-366.	4.4	7
48	Signature of the interaction between dark energy and dark matter in galaxy clusters. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 673, 107-110.	4.1	123
49	Density profile and line-of-sight mass contamination of SLACS gravitational lenses. Proceedings of the International Astronomical Union, 2009, 5, 75-75.	0.0	0
50	Fossil groups of galaxies: Are they groups? Are they fossils?. Proceedings of the International Astronomical Union, 2009, 5, 287-287.	0.0	1
51	Can retired galaxies mimic active galaxies? Clues from the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 391, L29-L33.	3.3	98
52	Predicting spectral features in galaxy spectra from broad-band photometry. Monthly Notices of the Royal Astronomical Society, 2008, 387, 945-953.	4.4	5
53	Searching Highâ€Redshift Largeâ€Scale Structures: Photometry of Four Fields around Quasar Pairs atzâ¼ 1. Astrophysical Journal, 2007, 666, 747-756.	4.5	22
54	Fossil Groups in the Sloan Digital Sky Survey. Astronomical Journal, 2007, 134, 1551-1559.	4.7	61

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55	Witnessing the Formation of a Galaxy Cluster atz= 0.485: Optical and Xâ€Ray Properties of RX J1117.4+0743 ([VMF 98] 097). Astrophysical Journal, 2007, 664, 777-790.	4.5	12
56	The Luminosity Function of the Fossil Group RX J1552.2+2013. Astronomical Journal, 2006, 131, 158-167.	4.7	57
57	TheKLuminosity-Metallicity Relation for Dwarf Galaxies and the Tidal Dwarf Galaxies in the Tails of HCG 31. Astronomical Journal, 2006, 132, 570-581.	4.7	32
58	Shrinking of Cluster Ellipticals: A Tidal Stripping Explanation and Implications for the Intracluster Light. Astronomical Journal, 2006, 131, 2417-2425.	4.7	19
59	Velocity Dispersion, Mass, and the Luminosity Function of the Fossil Cluster RX J1416.4+2315. Astronomical Journal, 2006, 132, 514-520.	4.7	47
60	Semi-empirical analysis of Sloan Digital Sky Survey galaxies - II. The bimodality of the galaxy population revisited. Monthly Notices of the Royal Astronomical Society, 2006, 370, 721-737.	4.4	185
61	Semi-empirical analysis of Sloan Digital Sky Survey galaxies - III. How to distinguish AGN hosts. Monthly Notices of the Royal Astronomical Society, 2006, 371, 972-982.	4.4	253
62	Anomalies in the low CMB multipoles and extended foregrounds. Physical Review D, 2006, 74, .	4.7	44
63	Gemini andChandraObservations of Abell 586, A Relaxed Strongâ€Lensing Cluster. Astrophysical Journal, 2005, 630, 38-49.	4.5	31
64	Semi-empirical analysis of Sloan Digital Sky Survey galaxies - I. Spectral synthesis method. Monthly Notices of the Royal Astronomical Society, 2005, 358, 363-378.	4.4	989
65	Light on dark matter: gravitational lensing by galaxy clusters. Brazilian Journal of Physics, 2005, 35, 1155-1158.	1.4	0
66	Star formation and the environment of nearby field galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 349, 1251-1260.	4.4	24
67	The Compact Group of Galaxies HCG 31 in an Early Phase of Merging. Astrophysical Journal, 2004, 612, L5-L8.	4.5	24
68	Weakâ€Lensing Mass Distributions for 24 Xâ€Ray Abell Clusters. Astrophysical Journal, 2004, 613, 95-108.	4.5	94
69	Gravitational Lensing by Nearby Clusters of Galaxies. Astronomical Journal, 2001, 121, 10-20.	4.7	14
70	Quasar Variability in the Framework of Poissonian Models. Astrophysical Journal, 2000, 544, 123-141.	4.5	52
71	Automated morphological classification of APM galaxies by supervised artificial neural networks. Monthly Notices of the Royal Astronomical Society, 1995, 275, 567-590.	4.4	97
72	The ionization of the shell of Novae: A time-dependent model. Astrophysics and Space Science, 1979, 61, 91-100.	1.4	0

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73	The galaxy environment in GAMA G3C groups using the Kilo Degree Survey Data Release 3. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1