

Laerte Sodre Junior

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | Extragalactic science, cosmology, and Galactic archaeology with the Subaru Prime Focus Spectrograph. Publication of the Astronomical Society of Japan, 2014, 66, . | 2.5 | 469 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Weak Lensing Mass Distributions for 24 X-Ray Abell Clusters. Astrophysical Journal, 2004, 613, 95-108. | 4.5 | 94 |
| 10 | 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 |
| 11 | Prime Focus Spectrograph (PFS) for the Subaru telescope: overview, recent progress, and future perspectives. Proceedings of SPIE, 2016, , . | 0.8 | 66 |
| 12 | Fossil Groups in the Sloan Digital Sky Survey. Astronomical Journal, 2007, 134, 1551-1559. | 4.7 | 61 |
| 13 | The Luminosity Function of the Fossil Group RX J1552.2+2013. Astronomical Journal, 2006, 131, 158-167. | 4.7 | 57 |
| 14 | Quasar Variability in the Framework of Poissonian Models. Astrophysical Journal, 2000, 544, 123-141. | 4.5 | 52 |
| 15 | Velocity Dispersion, Mass, and the Luminosity Function of the Fossil Cluster RX J1416.4+2315. Astronomical Journal, 2006, 132, 514-520. | 4.7 | 47 |
| 16 | Anomalies in the low CMB multipoles and extended foregrounds. Physical Review D, 2006, 74, . | 4.7 | 44 |
| 17 | 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 |
| 18 | J-PLUS: Identification of low-metallicity stars with artificial neural networks using SPHINX. Astronomy and Astrophysics, 2019, 622, A182. | 5.1 | 38 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | The KLuminosity-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 |
| 21 | Gemini and Chandra Observations of Abell 586, A Relaxed Strong α -lensing Cluster. Astrophysical Journal, 2005, 630, 38-49. | 4.5 | 31 |
| 22 | Morphological properties of superclusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1716-1726. | 4.4 | 29 |
| 23 | 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 |
| 24 | Star formation and the environment of nearby field galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 349, 1251-1260. | 4.4 | 24 |
| 25 | The Compact Group of Galaxies HCG 31 in an Early Phase of Merging. Astrophysical Journal, 2004, 612, L5-L8. | 4.5 | 24 |
| 26 | Prime focus spectrograph: Subaru's future. Proceedings of SPIE, 2012, , . | 0.8 | 24 |
| 27 | Turnaround radius in Λ CDM(Λ) model. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 010-010. | 5.4 | 24 |
| 28 | Searching High-Redshift Large-Scale Structures: Photometry of Four Fields around Quasar Pairs at $z < 1$. Astrophysical Journal, 2007, 666, 747-756. | 4.5 | 22 |
| 29 | 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 |
| 30 | Shrinking of Cluster Ellipticals: A Tidal Stripping Explanation and Implications for the Intracluster Light. Astronomical Journal, 2006, 131, 2417-2425. | 4.7 | 19 |
| 31 | 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 |
| 32 | J-PLUS: A wide-field multi-band study of the M 15 globular cluster. Astronomy and Astrophysics, 2019, 622, A179. | 5.1 | 18 |
| 33 | AN OPTICAL AND X-RAY STUDY OF THE FOSSIL GROUP RX J1340.6+4018. Astronomical Journal, 2009, 138, 502-509. | 4.7 | 17 |
| 34 | 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 |
| 35 | 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 |
| 36 | Data Release 2 of S-PLUS: Accurate template-fitting based photometry covering $\sim 1000 \text{ deg}^2$ in 12 optical filters. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4590-4618. | 4.4 | 16 |

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|----|--|-----|-----------|
| 37 | Prime Focus Spectrograph (PFS) for the Subaru telescope: ongoing integration and future plans. , 2018, , . | | 15 |
| 38 | Gravitational Lensing by Nearby Clusters of Galaxies. <i>Astronomical Journal</i> , 2001, 121, 10-20. | 4.7 | 14 |
| 39 | The nature of extremely red galaxies in the local universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 2503-2508. | 4.4 | 13 |
| 40 | The Arrow of Time in the Collapse of Collisionless Self-gravitating Systems: Non-validity of the Vlasov-Poisson Equation during Violent Relaxation. <i>Astrophysical Journal</i> , 2017, 846, 125. | 4.5 | 12 |
| 41 | Assessing the photometric redshift precision of the S-PLUS survey: the Stripe-82 as a test-case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3884-3908. | 4.4 | 12 |
| 42 | Witnessing the Formation of a Galaxy Cluster at $z \approx 0.485$: Optical and X-ray Properties of RX J1117.4+0743 ([VMF 98] 097). <i>Astrophysical Journal</i> , 2007, 664, 777-790. | 4.5 | 12 |
| 43 | The Discreteness-driven Relaxation of Collisionless Gravitating Systems: Entropy Evolution in External Potentials, N-dependence, and the Role of Chaos. <i>Astrophysical Journal</i> , 2019, 870, 128. | 4.5 | 11 |
| 44 | Statistical mechanics of self-gravitating systems: Mixing as a criterion for indistinguishability. <i>Physical Review D</i> , 2014, 90, . | 4.7 | 9 |
| 45 | Deep Learning assessment of galaxy morphology in S-PLUS Data Release 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1937-1955. | 4.4 | 8 |
| 46 | 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 |
| 47 | FOCCoS for Subaru PFS. , 2012, , . | | 7 |
| 48 | Stellar populations in superclusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 906-911. | 4.4 | 7 |
| 49 | Protocluster detection in simulations of HSC SSP and the 10-yr LSST forecast, using PCcones. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5054-5073. | 4.4 | 7 |
| 50 | DENSITY PROFILE, VELOCITY ANISOTROPY, AND LINE-OF-SIGHT EXTERNAL CONVERGENCE OF SLACS GRAVITATIONAL LENSES. <i>Astrophysical Journal</i> , 2011, 728, 33. | 4.5 | 6 |
| 51 | Studying focal ratio degradation of optical fibers for Subaru's Prime Focus Spectrograph. , 2014, , . | | 6 |
| 52 | Predicting spectral features in galaxy spectra from broad-band photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 945-953. | 4.4 | 5 |
| 53 | Red sequence of Abell X-ray underluminous clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 776-783. | 4.4 | 4 |
| 54 | Progress with the Prime Focus Spectrograph for the Subaru Telescope: a massively multiplexed optical and near-infrared fiber spectrograph. , 2014, , . | | 3 |

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|----|--|-----|-----------|
| 55 | Photometric Type Ia supernova surveys in narrow-band filters. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2313-2332. | 4.4 | 3 |
| 56 | Fossil groups of galaxies: Are they groups? Are they fossils?. Proceedings of the International Astronomical Union, 2009, 5, 287-287. | 0.0 | 1 |
| 57 | Cosmology with large galaxy redshift surveys. , 2012, , . | | 1 |
| 58 | Polish device for FOCCoS/PFS slit system. Proceedings of SPIE, 2014, , . | 0.8 | 1 |
| 59 | Multi-fibers connectors systems for FOCCoS-PFS-Subaru. , 2014, , . | | 1 |
| 60 | Slit device for FOCCoS-PFS-Subaru. , 2014, , . | | 1 |
| 61 | 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 |
| 62 | The environment of QSO triplets at $1 \leq z \leq 1.5$. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1507-1525. | 4.4 | 1 |
| 63 | GALExtin: A VO-Service for Estimating Galactic Interstellar Extinction. Thirty Years of Astronomical Discovery With UKIRT, 2012, , 93-95. | 0.3 | 1 |
| 64 | An optimal method for producing low-stress fibre optic cables for astronomy. , 2017, , . | | 1 |
| 65 | FRD characterization in large-scale for FOCCoS of Prime Focus Spectrograph for Subaru telescope. , 2018, , . | | 1 |
| 66 | The ionization of the shell of Novae: A time-dependent model. Astrophysics and Space Science, 1979, 61, 91-100. | 1.4 | 0 |
| 67 | Light on dark matter: gravitational lensing by galaxy clusters. Brazilian Journal of Physics, 2005, 35, 1155-1158. | 1.4 | 0 |
| 68 | 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 |
| 69 | MULEC: multiple lenses connectors for optical fibers. , 2014, , . | | 0 |
| 70 | The Distribution of Stellar Populations within Galaxies. Proceedings of the International Astronomical Union, 2015, 11, 144-144. | 0.0 | 0 |
| 71 | The morphology of H α -emission in CALIFA galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2717-2730. | 4.4 | 0 |
| 72 | Slit device assembly of Prime Focus Spectrograph for Subaru telescope. , 2018, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 73 | Permanent optical fiber cable for Prime Focus Spectrograph and Subaru telescope "Cable B", 2018, , . | | 0 |