

# Nicolas Clerc

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

8,036  
citations

186265

28  
h-index

155660

55  
g-index

56  
all docs

56  
docs citations

56  
times ranked

7749  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A11.   | 5.1 | 31        |
| 2  | The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A2.  | 5.1 | 54        |
| 3  | The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A7.  | 5.1 | 24        |
| 4  | The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A14.   | 5.1 | 8         |
| 5  | The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.                | 7.7 | 405       |
| 6  | The XXL Survey – XLVIII. X-ray follow-up of distant XXL clusters: masses, scaling relations, and AGN contamination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2525-2536. | 4.4 | 0         |
| 7  | The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A4.  | 5.1 | 23        |
| 8  | The eROSITA Final Equatorial-Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A12.   | 5.1 | 21        |
| 9  | The eROSITA Final Equatorial Depth Survey (eFEDS). <i>Astronomy and Astrophysics</i> , 2022, 661, A1.  | 5.1 | 144       |
| 10 | Clustering of CODEX clusters. <i>Astronomy and Astrophysics</i> , 2021, 646, A8.   | 5.1 | 8         |
| 11 | The eROSITA X-ray telescope on SRG. <i>Astronomy and Astrophysics</i> , 2021, 647, A1.   | 5.1 | 426       |
| 12 | Gravitational redshifting of galaxies in the SPIDERS cluster catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 669-678.   | 4.4 | 8         |
| 13 | SPIDERS: an overview of the largest catalogue of spectroscopically confirmed x-ray galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 5763-5777.                 | 4.4 | 18        |
| 14 | The X-CLASS survey: A catalogue of 1646 X-ray-selected galaxy clusters up to $z < 1.5$ . <i>Astronomy and Astrophysics</i> , 2021, 652, A12.   | 5.1 | 16        |
| 15 | CODEX weak lensing mass catalogue and implications on the mass–richness relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1494-1526.                                   | 4.4 | 6         |
| 16 | SPIDERS: overview of the X-ray galaxy cluster follow-up and the final spectroscopic data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3976-3992.                   | 4.4 | 16        |
| 17 | The final SDSS-IV/SPIDERS X-ray point source spectroscopic catalogue. <i>Astronomy and Astrophysics</i> , 2020, 636, A97.  | 5.1 | 27        |
| 18 | Multiwavelength classification of X-ray selected galaxy cluster candidates using convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4141-4153.     | 4.4 | 2         |

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|----|---|-----|-----------|
| 19 | Mass calibration of the CODEX cluster sample using SPIDERS spectroscopy – II. The X-ray luminosity–mass relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2736-2746.  | 4.4 | 9         |
| 20 | Toward the low-scatter selection of X-ray clusters. <i>Astronomy and Astrophysics</i> , 2020, 634, A8.  | 5.1 | 10        |
| 21 | The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.  | 7.7 | 826       |
| 22 | CODEX clusters. <i>Astronomy and Astrophysics</i> , 2020, 638, A114.  | 5.1 | 36        |
| 23 | Constraining the origin and models of chemical enrichment in galaxy clusters using the <i>Athena</i> X-IFU. <i>Astronomy and Astrophysics</i> , 2020, 642, A90.   | 5.1 | 13        |
| 24 | Cosmological constraints from CODEX galaxy clusters spectroscopically confirmed by SDSS-IV/SPIDERS DR16. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 4768-4784.   | 4.4 | 16        |
| 25 | Full-sky photon simulation of clusters and active galactic nuclei in the soft X-rays for eROSITA. <i>The Open Journal of Astrophysics</i> , 2020, 3, .  | 2.8 | 26        |
| 26 | Active galactic nuclei and their large-scale structure: an eROSITA mock catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2005-2029.   | 4.4 | 40        |
| 27 | Mass calibration of the CODEX cluster sample using SPIDERS spectroscopy – I. The richness–mass relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1594-1607.   | 4.4 | 20        |
| 28 | Stellar mass–halo mass relation for the brightest central galaxies of X-ray clusters since $z \lesssim 0.65$ . <i>Astronomy and Astrophysics</i> , 2019, 631, A175.   | 5.1 | 21        |
| 29 | Towards mapping turbulence in the intra-cluster medium. <i>Astronomy and Astrophysics</i> , 2019, 629, A144.  | 5.1 | 14        |
| 30 | Towards mapping turbulence in the intra-cluster medium. <i>Astronomy and Astrophysics</i> , 2019, 629, A143.  | 5.1 | 9         |
| 31 | <i>Athena</i> X-IFU synthetic observations of galaxy clusters to probe the chemical enrichment of the Universe. <i>Astronomy and Astrophysics</i> , 2018, 620, A173.  | 5.1 | 28        |
| 32 | The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A18.   | 5.1 | 4         |
| 33 | Measuring turbulence and gas motions in galaxy clusters via synthetic <i>Athena</i> X-IFU observations. <i>Astronomy and Astrophysics</i> , 2018, 618, A39.   | 5.1 | 36        |
| 34 | Synthetic simulations of the extragalactic sky seen by eROSITA. <i>Astronomy and Astrophysics</i> , 2018, 617, A92.   | 5.1 | 31        |
| 35 | Exploring relations between BCG and cluster properties in the SPectroscopic IDentification of eROSITA Sources survey from $0.05 \lesssim z \lesssim 0.3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4952-4973.   | 4.4 | 14        |
| 36 | The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42. | 7.7 | 796       |

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|----|---|-----|-----------|
| 37 | The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25. | 7.7 | 406       |
| 38 | Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.   | 4.7 | 1,100     |
| 39 | Cosmology with XMM galaxy clusters: the X-CLASS/GROND catalogue and photometric redshifts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 662-684.   | 4.4 | 9         |
| 40 | HIFLUGCS: X-ray luminosity-dynamical mass relation and its implications for mass calibrations with the SPIDERS and 4MOST surveys. <i>Astronomy and Astrophysics</i> , 2017, 599, A138.  | 5.1 | 19        |
| 41 | SPIDERS: selection of spectroscopic targets using AGN candidates detected in all-sky X-ray surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1065-1095.  | 4.4 | 38        |
| 42 | SPIDERS: the spectroscopic follow-up of X-ray-selected clusters of galaxies in SDSS-IV. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4490-4515.  | 4.4 | 47        |
| 43 | The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A4.  | 5.1 | 66        |
| 44 | The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A3.  | 5.1 | 78        |
| 45 | The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A1.  | 5.1 | 199       |
| 46 | The XXL survey XV: evidence for dry merger driven BCG growth in XXL-100-GC X-ray clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 4141-4156.   | 4.4 | 29        |
| 47 | THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.   | 4.7 | 582       |
| 48 | The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A2.  | 5.1 | 114       |
| 49 | THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 12.  | 7.7 | 1,877     |
| 50 | The X-CLASS <sup>redMaPPer</sup> galaxy cluster comparison. <i>Astronomy and Astrophysics</i> , 2014, 571, A87.   | 5.1 | 28        |
| 51 | THE XXL SURVEY. V. DETECTION OF THE SUNYAEV-ZEL'DOVICH EFFECT OF THE REDSHIFT 1.9 GALAXY CLUSTER XLSSU J021744.1+034536 WITH CARMA. <i>Astrophysical Journal</i> , 2014, 794, 157.  | 4.5 | 35        |
| 52 | The XMM-LSS survey: the Class 1 cluster sample over the extended 11Âdeg <sup>2</sup> and its spatial distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 2723-2753.                           | 4.4 | 46        |
| 53 | Distant galaxy clusters in the XMM Large Scale Structure survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 134-156.   | 4.4 | 45        |
| 54 | The cosmological analysis of X-ray cluster surveys - II. Application of the CR-HR method to the XMM archive. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 3561-3583.                                 | 4.4 | 53        |

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|----|---|-----|-----------|
| 55 | The cosmological analysis of X-ray cluster surveys - I. A new method for interpreting number counts. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3545-3560. | 4.4 | 24        |
| 56 | The XMM-LSS survey: optical assessment and properties of different X-ray selected cluster classes. Astronomy and Astrophysics, 2011, 526, A18.                                | 5.1 | 55        |