

# Publications & Communications

Etienne Bonnassieux

## 1 First-Author Refereed Papers

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| NOV 2021 | Galaxies: Pilot Study and Early Results of the Cosmic Filaments and Magnetism Survey with Nenufar: The Coma Cluster Field ( <a href="#">Bonnassieux et al. 2021b</a> )                    |
| SEP 2021 | submitted & accepted in A&A: Spectral analysis of spatially-resolved 3C295 (sub-arcsecond resolution) with the International LOFAR Telescope ( <a href="#">Bonnassieux et al. 2021a</a> ) |
| MAY 2020 | A&A: Decoherence in LOFAR-VLBI beamforming ( <a href="#">Bonnassieux et al. 2020</a> )  |
| JUL 2018 | A&A: The variance of radio interferometric calibration solutions. Quality-based weighting schemes ( <a href="#">Bonnassieux et al. 2018</a> )   |

## 2 Other Refereed Papers

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| JAN 2022 | A&A: Turbulent magnetic fields in the merging galaxy cluster MACS J0717.5+3745 ( <a href="#">Rajpurohit et al. 2022</a> )  |
| OCT 2021 | A&A: Dissecting nonthermal emission in the complex multiple-merger galaxy cluster Abell 2744: Radio and X-ray analysis ( <a href="#">Rajpurohit et al. 2021b</a> )       |
| AUG 2021 | A&A: The resolved jet of 3C 273 at 150 MHz (accepted)  |
| AUG 2021 | A&A: Sub-arcsecond imaging with the International LOFAR Telescope I. Foundational calibration strategy and pipeline (accepted)   |
| JUN 2021 | A&A: Constraining the AGN duty cycle in the cool-core cluster MS 0735.6+7421 with LOFAR data ( <a href="#">Biava et al. 2021</a> )                                       |
| FEB 2021 | A&A: Physical insights from the spectrum of the radio halo in MACS J0717.5+3745 ( <a href="#">Rajpurohit et al. 2021a</a> )  |
| FEB 2021 | A&A: Understanding the radio relic emission in the galaxy cluster MACS J0717.5+3745: Spectral analysis ( <a href="#">Rajpurohit et al. 2021c</a> )                       |
| JAN 2021 | ApJ: The Coma Cluster at LOw Frequency ARray Frequencies. I. Insights into Particle Acceleration Mechanisms in the Radio Bridge ( <a href="#">Bonafede et al. 2021</a> ) |

JUL 2021	A&A: LOFAR observations of galaxy clusters in HETDEX. Extraction and self-calibration of individual LOFAR targets ( <a href="#">van Weeren et al. 2021</a> )
NOV 2020	A&A. : A perfect power-law spectrum even at the highest frequencies: The Toothbrush relic( <a href="#">Rajpurohit et al. 2020</a> )
FEB 2019	A&A. : The LOFAR Two-metre Sky Survey. II. First data release ( <a href="#">Shimwell et al. 2019</a> )

### 3 Posters

JUN 2017	<a href="#">Broad Impact of Low-Frequency Observing</a> . Poster on quality-based weighting scheme.
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### 4 Conferences & Workshops

MAR 2021	<a href="#">6th LOFAR data school</a> . Talk on direction-dependent calibration, organised hands-on workshop.
MAR 2021	<a href="#">RGCW Meeting</a> . Gave talk on progress of NenuFAR Cosmic Filaments & Magnetic Fields Pilot Surveys.
APR 2018	Invited lecturer at <a href="#">the first Italian LOFAR School</a> . Organised a hands-on workshop on direction-dependent calibration, and helped tutor in the workshops of colleagues.
SEP 2018	<a href="#">5th LOFAR data school</a> . Talk on direction-dependent calibration, tutoring hands-on tutorial.
DEC 2017	<a href="#">SALF IV</a> . Gave talk on quality-based weighting schemes.
OCT 2016	<a href="#">3GC4</a> . Organised hands-on workshop on <a href="#">using pyrap</a> , a python wrapper for casacore. This allows scientists to interact with interferometric datasets in an efficient manner.

### References

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