

# Matteo Nori

SPACE ECONOMY

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## ARTICLES IN SCHOLARLY JOURNALS

ELGAMAL S., NORI M., MACCIÒ A. V., BALDI M., WATERVAL S.

**No Catch-22 for fuzzy dark matter: testing substructure counts and core sizes via high-resolution cosmological simulations**

Monthly Notices of the Royal Astronomical Society, 2024, vol.532, no. 4, pp.4050-4059

NORI M., MACCIÒ A. V., BALDI M.

**Fuzzy Aquarius: evolution of a Milky-way like system in the Fuzzy Dark Matter scenario**

Monthly Notices of the Royal Astronomical Society, 2023, vol.522, no. 1, pp.1451-1463

WATERVAL S., ELGAMAL S., NORI M., PASQUATO M., MACCIÒ A. V., BLANK M., DIXON K. L., KANG X., IBRAYEV T.

**NIHAO – XXVIII. Collateral effects of AGN on dark matter concentration and stellar kinematics**

Monthly Notices of the Royal Astronomical Society, 2022, vol.514, no. 4, pp.5307-5319

PASQUATO M., ABBAS M., TRANI A. A., NORI M., KWIECINSKI J. A., TREVISAN P., BRAGA V. F., BONO G., MACCIÒ A. V.

**Sparse Identification of Variable Star Dynamics**

The Astrophysical Journal Supplement, 2022, vol.930, no. 2, pp.161

GARALDI E., NORI M., BALDI M.

**Dynamic zoom simulations: A fast, adaptive algorithm for simulating light-cones**

Monthly Notices of the Royal Astronomical Society, 2020, vol.499, no. 2, pp.2685-2700

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**Scaling relations of fuzzy dark matter haloes – I. Individual systems in their cosmological environment**

Monthly Notices of the Royal Astronomical Society, 2020, vol.501, no. 1, pp.1539-1556

NORI M., MURGIA R., IRŠIČ V., BALDI M., VIEL M.

**Lyman  $\alpha$  forest and non-linear structure characterization in Fuzzy Dark Matter cosmologies**

Monthly Notices of the Royal Astronomical Society, 2019, vol.482, no. 3, pp.3227-3243

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**AX-GADGET: a new code for cosmological simulations of Fuzzy Dark Matter and Axion models**

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NORI M., GIROLETTI M., MASSARO F., D'ABRUSCO R., PAGGI A., TOSTI G., FUNK S.

**Unveiling the nature of the unidentified gamma-ray sources VI: gamma-ray blazar candidates in the WISH survey and their radio properties**

The Astrophysical Journal Supplement, 2014, vol.212, no. 1, pp.1-8

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## PROCEEDINGS/PRESENTATIONS

ROSSI A., IACOMINO C., SAPUTO A., NORI M., COLANTONI F., VENTRE F.

**Long term effects of the mitigation and remediation measures in view of the changing space activities**

*Second International Orbital Debris Conference (IOC II), December 4–7, 2023, Sugar Land, TX, United States of America*

DI PIPPO S., IACOMINO C., ROSSI A., NORI M., SAPUTO A., VENTRE F., COLANTONI F.

**Towards a Bottom-Up Approach to Space Debris Removal: On the Economic Convenience Behind Debris Mitigation Strategies**

*74th International Astronautical Congress – ‘Global Challenges and Opportunities: Give Space a Chance’ - 2-6 October, 2023, Baku, Azerbaijan*

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