

List of publications

September 19, 2023

Publications

1. M. Montanucci and V. Pallozzi Lavorante, *AG codes from the second generalization of the GK maximal curve*, Discrete Mathematics, Volume 343, Issue 5, 2020, 111810, ISSN 0012-365X
2. V. Pallozzi Lavorante, V. Smaldore, *New hemisystems of the Hermitian surface*, Designs, Codes and Cryptography (2022), <https://doi.org/10.1007/s10623-022-01107-2>
3. V. Pallozzi Lavorante, *External points to a conic from a Baer subplane*. Des. Codes Cryptogr. (2022). <https://doi.org/10.1007/s10623-022-01156-7> .
4. X.D. Hou and V. Pallozzi Lavorante, *A general construction of permutation polynomials of F_q^2* . Finite Fields and Their Applications, 2023, 89: 102193.
5. X.D. Hou and V. Pallozzi Lavorante, *New results on permutation binomials of finite fields*. Finite Fields and Their Applications, 2023, 88: 102179.
6. Dukes, Austin, Giacomo Micheli, and Vincenzo Pallozzi Lavorante. "Optimal locally recoverable codes with hierarchy from nested F-adic expansions." IEEE Transactions on Information Theory (2023).
7. Garrison, Clifton, et al. "On a Class of Optimal Locally Recoverable Codes with Availability." 2023 IEEE International Symposium on Information Theory (ISIT). IEEE, 2023.

Preprints

8. V. Pallozzi Lavorante, New families of permutation trinomials constructed by permutations of μ_{q+1} , preprint, <https://arxiv.org/abs/2105.12012>, 2021
9. V. Pallozzi Lavorante, On Permutation Quadrimials from NIHO Exponents in Characteristic Two, <https://arxiv.org/abs/2112.07006>, 2023
10. Connolly, Darien, et al. "An approach to normal polynomials through symmetrization and symmetric reduction." arXiv preprint arXiv:2309.05470 (2023).