

List of publications

by Simone Ugolini

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Journal articles

1. S. Ugolini, *On the construction of irreducible polynomials over finite fields via odd prime degree endomorphisms of elliptic curves*, Period. Math. Hungar., Volume 76 (1), 2018, pp. 114-125, ISSN 0031-5303, doi: 10.1007/s10998-017-0216-x
2. S. Ugolini, *On numerical semigroups closed with respect to the action of affine maps*, Publ. Math. Debrecen, Volume 90 (1-2), 2017, pp. 149-167, ISSN 0033-3883, doi: 10.5486/PMD.2017.7500
3. S. Ugolini, *On an iterated construction of irreducible polynomials over finite fields of even characteristic by Kyuregyan*, Czechoslovak Mathematical Journal, Volume 66, Issue 1, March 2016, pp. 243-250, ISSN 0011-4642, doi: 10.1007/s10587-016-0253-2.
4. S. Ugolini, *Sequences of irreducible polynomials over odd prime fields via elliptic curve endomorphisms*, Journal of Number Theory, Volume 152, July 2015, pp. 21-37, ISSN 0022-314X, doi: 10.1016/j.jnt.2014.12.027.
5. S. Ugolini, *Sequences of irreducible polynomials without prescribed coefficients over odd prime fields*, Designs, Codes and Cryptography, Volume 75, Issue 1, April 2015, pp. 145-155, ISSN 0925-1022, doi: 10.1007/s10623-013-9897-1.
6. S. Ugolini, *On the proof of a theorem by Carlitz*, Journal of Group Theory, Volume 18, Issue 1, January 2015, pp. 109-110, ISSN 1433-5883, doi:10.1515/jgth-2014-0027.
7. S. Ugolini, *On the iterations of certain maps $X \mapsto K \cdot (X + X^{-1})$ over finite fields of odd characteristic*, Journal of Number Theory, Volume 142, September 2014, pp. 274-297, ISSN 0022-314X, doi: 10.1016/j.jnt.2014.02.024.
8. S. Ugolini, *Sequences of binary irreducible polynomials*, Discrete Mathematics, Volume 313, Issue 22, 28 November 2013, pp. 2656-2662, ISSN 0012-365X, doi: 10.1016/j.disc.2013.08.011.
9. S. Ugolini, *Graphs associated with the map $X \mapsto X + X^{-1}$ in finite fields of characteristic three and five*, Journal of Number Theory, Volume 133, Issue 4, April 2013, pp. 1207-1228, ISSN 0022-314X, doi: 10.1016/j.jnt.2012.09.007.

Articles in peer-reviewed conference proceedings

1. S. Ugolini, *Graphs associated with the map $x \mapsto x + x^{-1}$ in finite fields of characteristic two*, in Theory and Applications of Finite Fields, Contemporary Mathematics, vol. 579, Amer. Math. Soc., Providence, RI, 2012, pp. 187-204, ISBN-13: 978-0-8218-5298-9, doi: 10.1090/conm/579/11530.