

Muharrem Tolga SakallÄ±

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5421372/publications.pdf>

Version: 2024-02-01

8

papers

65

citations

1937685

4

h-index

1720034

7

g-index

8

all docs

8

docs citations

8

times ranked

33

citing authors

#	ARTICLE	IF	CITATIONS
1	Generalisation of Hadamard matrix to generate involutory MDS matrices for lightweight cryptography. IET Information Security, 2018, 12, 348-355.	1.7	22
2	Algebraic construction of cryptographically good binary linear transformations. Security and Communication Networks, 2014, 7, 53-63.	1.5	15
3	A new matrix form to generate all 3×3 involutory MDS matrices over \mathbb{F}_2 . On the Construction of 3×3 Involutory MDS Matrices Over \mathbb{F}_2 . Mathematical Problems in Engineering, 2014, 2014, 1-12.	0.6	12
4	Binary Matrices with Good Implementation Properties for Lightweight Block Ciphers and Hash Functions. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	6
5	On the automorphisms and isomorphisms of MDS matrices and their efficient implementations. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 275-287.	1.4	6
6	Generating binary diffusion layers with maximum/high branch numbers and low search complexity. Security and Communication Networks, 2016, 9, 3558-3569.	1.5	2
7	Efficient methods to generate cryptographically significant binary diffusion layers. IET Information Security, 2017, 11, 177-187.	1.7	2
8	On the Construction of 4×4 Involutory MDS Matrices Over \mathbb{F}_{2^8} . Advances in Intelligent Systems and Computing, 2022, 1725-1736.	0.6	0