

# 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

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1720034

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g-index

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8  
docs citations

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times ranked

33  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Construction of $4 \times 4$ Lightweight Involutory MDS Matrices Over $\mathbb{F}_{2^8}$ . Advances in Intelligent Systems and Computing, 2022, , 725-736.	0.6	0
2	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
3	A new matrix form to generate all $3 \times 3$ involutory MDS matrices over $\mathbb{F}_{2^8}$ . Information Processing Letters, 2019, 147, 61-68.	0.6	12
4	Generalisation of Hadamard matrix to generate involutory MDS matrices for lightweight cryptography. IET Information Security, 2018, 12, 348-355.	1.7	22
5	Efficient methods to generate cryptographically significant binary diffusion layers. IET Information Security, 2017, 11, 177-187.	1.7	2
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	On the Construction of Binary Matrices with Good Implementation Properties for Lightweight Block Ciphers and Hash Functions. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	6
8	Algebraic construction of cryptographically good binary linear transformations. Security and Communication Networks, 2014, 7, 53-63.	1.5	15