

# Manareldeen Ahmed

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3225999/publications.pdf>

Version: 2024-02-01

10  
papers

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citations

1937685

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1720034

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all docs

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docs citations

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times ranked

31  
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles investigation of copper diffusion barrier performance in defective 2D layered materials*. Nanotechnology, 2022, 33, 165201.	2.6	2
2	Modeling and Signal Integrity Analysis of RRAM-Based Neuromorphic Chip Crossbar Array Using Partial Equivalent Element Circuit (PEEC) Method. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3490-3500.	5.4	7
3	Circuit Modeling for RRAM-Based Neuromorphic Chip Crossbar Array With and Without Write-Verify Scheme. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1906-1916.	5.4	18
4	Stop band blocking window modeling with energy absorber in 5G mid-band cellular communications. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22533.	1.2	0
5	A Novel Miniaturized Ultra-Wideband Frequency Selective Surface With Rapid Band Edge. IEEE Access, 2021, 9, 161854-161861.	4.2	8
6	Diffusion Barrier Prediction of Graphene and Boron Nitride for Copper Interconnects by Deep Learning. IEEE Access, 2020, 8, 210542-210549.	4.2	5
7	Electron Transport in Graphene-Versus Al/Pd-Coated Thin Cu Films With Low-Surface Roughness: A First Principles Study. IEEE Access, 2019, 7, 84858-84865.	4.2	0
8	First principles calculation of effect of graphene coating on transmission coefficient of Cu thin film with low surface roughness. Journal of Applied Physics, 2019, 125, .	2.5	3
9	Temperature Coefficient of Resistance in Graphene-Coated Cu from First Principles. ECS Journal of Solid State Science and Technology, 2018, 7, M186-M190.	1.8	4
10	An Investigation of Electric Resistance of Graphene-Coated Copper Thin Film from First Principles. , 2018, , .		0