

# Ahmed S Hussein

## List of Publications by Year in descending order

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18  
papers

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citations

1683934

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1719901

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18  
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docs citations

18  
times ranked

832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cascaded Multioutput Multilevel Converter: Modulation and Operating Limits. IEEE Transactions on Industrial Electronics, 2022, 69, 399-408.	5.2	2
2	On reliable modeling of substrate/buffer loading effects in a gallium nitride high-electron-mobility transistor on silicon substrate. Journal of Computational Electronics, 2021, 20, 503-514.	1.3	3
3	A Three-level Neutral-Point Clamped Dual-Output Converter. , 2021, , .		1
4	Reliable noise modeling of GaN HEMTs for designing low-noise amplifiers. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2585.	1.2	32
5	Reduced Switch Count Dual-output T-type Multilevel Converter. , 2020, , .		3
6	Modeling and Control of a Three-level Dual Output Voltage Converter. , 2019, , .		5
7	Model Predictive Control of Cascaded Multi-Output Multilevel Converter. , 2019, , .		9
8	Model Predictive Control of Nine-Level Active Nested Neutral-Point Piloted Converter. , 2019, , .		0
9	Improved Phase Disposition Pulse Width Modulation for a Modified Cascaded Dual-Output Multilevel Converter. , 2019, , .		3
10	Novel Active Nested Neutral-Point Piloted Nine-level Converter. , 2019, , .		0
11	Hybrid small-signal model parameter extraction of GaN HEMTs on Si and SiC substrates based on global optimization. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21555.	0.8	11
12	Reliable Hybrid Small-Signal Modeling of GaN HEMTs Based on Particle-Swarm-Optimization. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 1816-1824.	1.9	42
13	Reliable PSO Based Noise Modeling Approach Applied to GaN HEMTs. , 2018, , .		3
14	Microstructural and surface modifications and hydroxyapatite coating of Ti-6Al-4V triply periodic minimal surface lattices fabricated by selective laser melting. Materials Science and Engineering C, 2017, 75, 1515-1524.	3.8	94
15	An improved reliable PSO based parameter extraction method applied to GaN HEMTs for mm-Wave applications. , 2017, , .		2
16	On hybrid model parameter extraction of GaN HEMTs based on GA, PSO, and ABC optimization. , 2017, , .		5
17	Reliable particle-swarm-optimization based parameter extraction method applied to GaN HEMTs. , 2016, , .		12
18	Ti-6Al-4V triply periodic minimal surface structures for bone implants fabricated via selective laser melting. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 51, 61-73.	1.5	492