

Yongbo Chen

List of Publications by Year in descending order

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13
papers

202
citations

1163117

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all docs

13
docs citations

13
times ranked

156
citing authors

#	ARTICLE	IF	CITATIONS
1	A reliable and efficient small-signal parameter extraction method for GaN HEMTs. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2540.	1.9	22
2	Temperature-dependent small signal performance of GaN-on-diamond HEMTs. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2620.	1.9	15
3	Improved quasi-physical zone division model with analytical electrothermal I _{ds} model for AlGaIn/GaN heterojunction high electron mobility transistors. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2630.	1.9	6
4	A Scalable Multiharmonic Surface-Potential Model of AlGaIn/GaN HEMTs. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1192-1200.	4.6	31
5	A scalable and multibias parameter extraction method for a small-signal GaN HEMT model. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2347.	1.9	10
6	High Frequency Noise Model of AlGaIn/GaN HEMTs. ECS Journal of Solid State Science and Technology, 2017, 6, S3072-S3077.	1.8	8
7	A Quasi-Physical Compact Large-Signal Model for AlGaIn/GaN HEMTs. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5113-5122.	4.6	43
8	Monte Carlo analysis of dynamic characteristics and high-frequency noise performances of nanoscale double-gate MOSFETs. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 10-21.	1.9	3
9	Analysis of the RF and noise performance of junctionless MOSFETs using Monte Carlo simulation. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 822-833.	1.9	17
10	Junctionless MOSFETs with laterally graded-doping channel for analog/RF applications. Journal of Computational Electronics, 2013, 12, 757-764.	2.5	32
11	A Simple Method for Millimeter-Wave Finline Balanced Mixer Design Using Three-Dimensional Field Simulation Software. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 25-35.	2.2	4
12	Accurate distributed and semidistributed models of field effect transistors for millimeter wave applications. International Journal of RF and Microwave Computer-Aided Engineering, 2011, 21, 272-278.	1.2	11
13	Improved SiC MESFET small-signal equivalent circuit and optimizing method. , 2010, , .		0