Yongbo Chen

List of Publications by Year
in descending order

13 papers	202 citations	1163117 8 h-index	1199594 12 g-index
13 all docs	13 docs citations	13 times ranked	156 citing authors

#	Article	IF	Citations
1	A Quasi-Physical Compact Large-Signal Model for AlGaN/GaN HEMTs. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5113-5122.	4.6	43
2	Junctionless MOSFETs with laterally graded-doping channel for analog/RF applications. Journal of Computational Electronics, 2013, 12, 757-764.	2.5	32
3	A Scalable Multiharmonic Surface-Potential Model of AlGaN/GaN HEMTs. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1192-1200.	4.6	31
4	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
5	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
6	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
7	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
8	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
9	High Frequency Noise Model of AlGaN/GaN HEMTs. ECS Journal of Solid State Science and Technology, 2017, 6, S3072-S3077.	1.8	8
10	Improved quasi‐physical zone division model with analytical electrothermal I ds model for AlGaN/GaN heterojunction high electron mobility transistors. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2630.	1.9	6
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	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
13	Improved SiC MESFET small-signal equivalent circuit and optimizing method. , 2010, , .		0