

Raphaël J Prentki

List of Publications by Year in descending order

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201
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#	ARTICLE	IF	CITATIONS
1	A Multiscale Simulation Framework for Steep-Slope Si Nanowire Cold Source FET. IEEE Transactions on Electron Devices, 2021, 68, 5455-5461.	3.0	2
2	Negative-Capacitance FET With a Cold Source. IEEE Transactions on Electron Devices, 2021, 68, 911-918.	3.0	11
3	Multi-Physics Evaluation of Silicon Steep-Slope Cold Source FET. , 2021, , .		0
4	A Surface Potential Model for Field-Effect Transistors With Bound-Charge Engineering. IEEE Transactions on Electron Devices, 2021, 68, 4625-4629.	3.0	1
5	Nanowire Transistors with Bound-Charge Engineering. Physical Review Letters, 2020, 125, 247704.	7.8	7
6	A Multi-physics TCAD Framework for Fast and Accurate Simulation of SteepSlope Si-based Cold Source FET. , 2020, , .		1
7	Design and Simulation of Steep-Slope Silicon Cold Source FETs With Effective Carrier Distribution Model. IEEE Transactions on Electron Devices, 2020, 67, 2243-2248.	3.0	17
8	Modeling of Ballistic Monolayer Black Phosphorus MOSFETs. IEEE Transactions on Electron Devices, 2019, 66, 3668-3674.	3.0	5
9	Numerical analysis of the mechanical behavior of ZTAp/Fe composites. Computational Materials Science, 2017, 137, 153-161.	3.0	19
10	± ² -Hydrolase Domain 6 Deletion Induces Adipose Browning and Prevents Obesity and Type 2 Diabetes. Cell Reports, 2016, 14, 2872-2888.	6.4	61