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Voltage Relationships of Carbon Nanotubes"; "3.3. Density Functional Theory for the Calculation of the Electron Density and Potential Relationship in Carbon Nanotube Devices"; "3.4. DFT and NEGF Simulations of Example Nanotubes"; "3.4.1. Simulations of Semiconductor Nanotubes"; "3.4.2. Simulations of Metallic Nanotubes"

"4. Carbon Nanotube Field Effect Transistors, Review of Their Equivalent Circuit Models and Experimental Applications""5. Conclusion"; "References"; "NANOWIRE FIELD-EFFECT TRANSISTORS"; "Abstract"; "1. Introduction"; "2. Brief Introduction to Nanowire Electronics"; "3. Typical 1-D Nanostructures"; "3.1. Nanorods"; "3.2. Nanowires"; "3.3. Nanotubes"; "3.4. Nanobelts"; "3.5. 1-D nanoscale Heterostructures"; "4. Application of Nanowire Transistors"; "4.1. Sensors"; "4.2. Light-Emitting Diodes and Nanolasers"; "4.3. Single Nanowire Solar Cells"; "4.4. Transparent Electronics""5. Conclusion"; "Acknowledgments"; "References"; "OPERATING CHARACTERISTICS OF MOSFETS IN CHAOTIC OSCILLATORS"; "Abstract"; "Introduction"; "Linear Operations"; "Nonlinear Operators: PWL Functions"; "Chaotic Oscillators Design: Chua's Circuit"; "Chaotic Synchronization and Encryption"; "Conclusion"; "Acknowledgments"; "References"; "ON THE VARIATIONAL LINE QUALITIES APPROACH TO STUDY ELECTRICAL CIRCUITS WITH TRANSISTORS"; "Abstract"; "1. Introduction"; "2. Set-valued Ampere-Volt Characteristics"; "2.1. Diode Models"; "2.2. Transistor Models"
