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Jianjun Gao



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Device Electronics for Integrated Circuits (2nd.ed.). RICHARD S. MULLER, **Organic [pi]-stacked Materials for Electronic Applications** Jie Cao, 2003 *Device Electronics for Integrated Circuits* Richard S. Muller, Theodore I. Kamins, K. C. Hsieh, J. H. Kim, B. Y. Liu, 1986 **A Library on Basic Electronics: Integrated circuits and computer concepts** Sy Levine, 1989 [Semiconductor Devices and Technologies for Future Ultra Low Power Electronics](#) D. Nirmal, J. Ajayan, Patrick J. Fay, 2021-12-09 This book covers the fundamentals and significance of 2 D materials and related semiconductor transistor technologies for the next generation ultra low power applications It provides comprehensive coverage on advanced low power transistors such as NCFETs FinFETs TFETs and flexible transistors for future ultra low power applications owing to their better subthreshold swing and scalability In addition the text examines the use of field effect transistors for biosensing applications and covers design considerations and compact modeling of advanced low power transistors such as NCFETs FinFETs and TFETs TCAD simulation examples are also provided FEATURES Discusses the latest updates in the field of ultra low power semiconductor transistors Provides both experimental and analytical solutions for TFETs and NCFETs Presents synthesis and fabrication processes for FinFETs Reviews details on 2 D materials and 2 D transistors Explores the application of FETs for biosensing in the healthcare field This book is aimed at researchers professionals and graduate students in electrical engineering electronics and communication engineering electron devices nanoelectronics and nanotechnology microelectronics and solid state circuits *Modern Dictionary of Electronics* Rudolf F. Graf, 1999-08-11 Included in this fully revised classic are well over 28 000 terms phrases acronyms and abbreviations from the ever expanding worlds of consumer electronics optics microelectronics computers communications and medical electronics From the basic elements of theory to the most cutting edge circuit technology this book explains it all in both words and pictures For easy reference the author has provided definitions for standard abbreviations and equations as well as tables of SI International System of Units units measurements and schematic symbols *Modern Dictionary of Electronics* is the bible of technology reference for readers around the world Now fully updated by the original author this essential

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written by practicing expert leaders in the power semiconductor field and industry pioneers Perfect for practicing power conversion engineers GaN Power Devices for Efficient Power Conversion will also benefit electrical engineering students and device scientists in the field of power electronics

Digital Consumer Electronics Handbook Ronald K. Jurgen, 1997

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