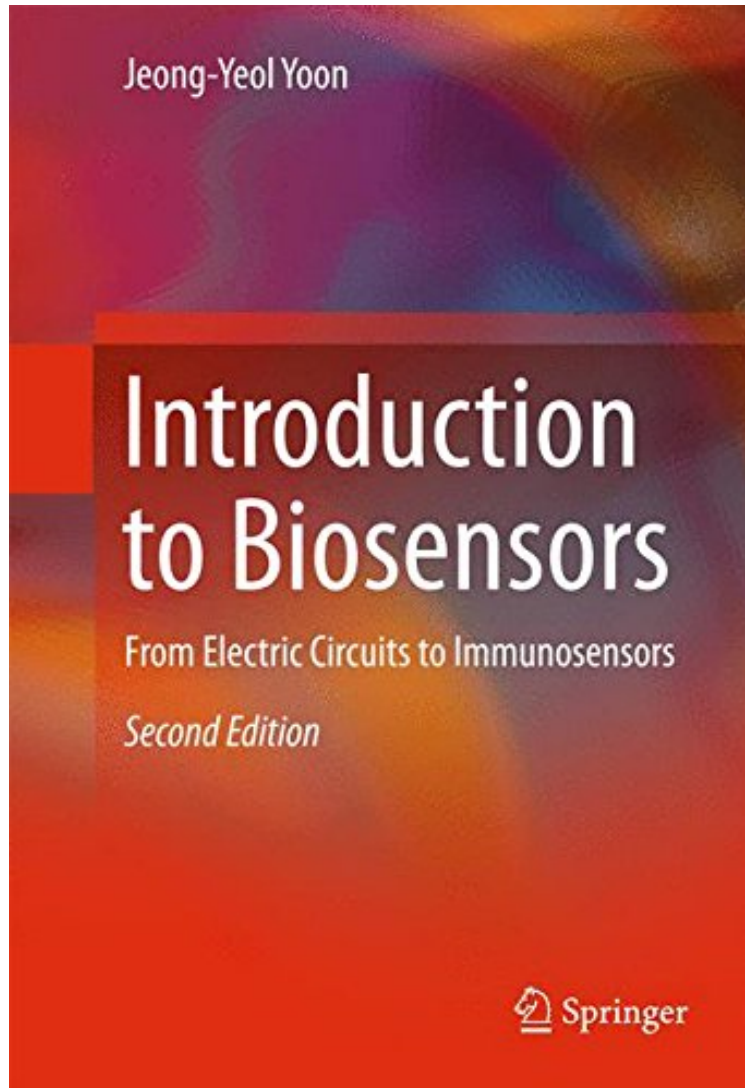


Introduction to Biosensors: From Electric Circuits to Immunosensors

Jeong-Yeol Yoon

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Jeong-Yeol Yoon : Introduction to Biosensors: From Electric Circuits to Immunosensors before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Biosensors: From Electric Circuits to Immunosensors:

This book equips students with a thorough understanding of various types of sensors and biosensors that can be used

for chemical, biological, and biomedical applications, including but not limited to temperature sensors, strain sensor, light sensors, spectrophotometric sensors, pulse oximeter, optical fiber probes, fluorescence sensors, pH sensor, ion-selective electrodes, piezoelectric sensors, glucose sensors, DNA and immunosensors, lab-on-a-chip biosensors, paper-based lab-on-a-chip biosensors, and microcontroller-based sensors. The author treats the study of biosensors with an applications-based approach, including over 15 extensive, hands-on labs given at the end of each chapter. The material is presented using a building-block approach, beginning with the fundamentals of sensor design and temperature sensors, and ending with more complicated biosensors.