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Nota di contenuto	Chapter 1. Molecular mechanisms of Nrf2 in inflammation: Interactions between Nrf2 and inflammatory mediators -- Chapter 2. Nrf2 in immune responses during inflammation -- Chapter 3. Nrf2 and Nrf2-interacting network in respiratory inflammation and diseases -- Chapter 4. Nrf2 in the regulation of endothelial cell homeostasis during inflammation -- Chapter 5. The roles of Nrf2 in cardiovascular system and atherosclerosis -- Chapter 6. Nrf2 and inflammation-triggered carcinogenesis -- Chapter 7. Role of Nrf2 in oxidative and inflammatory processes in obesity and metabolic diseases -- Chapter 8. Modulators of Nrf2 Activation during Inflammation.
Sommario/riassunto	Nrf2, a transcription factor that mediates transcriptional responses to

oxidative and xenobiotic stresses, plays a central role in cellular protection against internal or external toxins. Defects in Nrf2 and the relevant regulatory pathways are associated with a number of pathologies including inflammation,respiratory diseases, cardiovascular dysfunctions, metabolic syndrome and diabetes, neurodegeneration, and cancer. This book comprehensively reviews the up-to-date discoveries for the roles of Nrf2 in several human diseases in the context of inflammation. In particular, the molecular mechanisms that mediate the functions of Nrf2 and its interacting network in inflammation and pathogenesis are explicated. In addition, the research and therapeutic applications of Nrf2-targeting compounds in different diseases were summarized. This book is expected to be a valuable reference for worldwide researchers conducting both mechanistic and therapeutic studies of Nrf2 and relevant factors.