Record Nr. UNINA9910299723703321 Autore Patel Himanshu K Titolo The electronic nose: artificial olfaction technology / / Himanshu K. Patel New Delhi:,: Springer,, 2014 Pubbl/distr/stampa **ISBN** 81-322-1548-6 Edizione [1st ed. 2014.] Descrizione fisica 1 online resource (xx, 247 pages): illustrations (some color) Collana Biological and Medical Physics, Biomedical Engineering, , 1618-7210 Disciplina 620 681.2 Soggetti Olfactory sensors Chemical detectors Olfactometry Odors Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "ISSN: 1618-7210." Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Measurement Technology -- Sensor -- Biological Olfaction -- Odour --Towards Sensor to Reproduce Human Sense -- Sensor Used in E-nose -- Sensor Circuits -- Application of Machine Olfaction. Sommario/riassunto This book provides the basics of odor, odor analysis techniques, sensors used in odor analysis and overview of odor measurement techniques. For beginners as well researchers this book is a brief guide for odor measurement and analysis. The book includes a special chapter dedicated to practical implementation of e-nose sensor devices with software utility, which guides students to prepare projects and work in practical analysis. It also includes material from early to latest technology research available in the market of e-nose era. Students

and researchers who want to learn the basics of biomedical engineering

and sensor measurement technology will find this book useful.