

1. Record Nr.	UNINA9910163014603321
Titolo	Taste and Smell / / edited by Dietmar Krautwurst
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-48927-5
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XV, 199 p. 123 illus., 25 illus. in color.)
Collana	Topics in Medicinal Chemistry, , 1862-2461 ; ; 23
Disciplina	615.19
Soggetti	Pharmaceutical chemistry Proteins Pharmacology Medicinal Chemistry Receptors Pharmacology/Toxicology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Taste receptor gene expression outside the gustatory system -- Medicinal Chemistry of Plant Naturals as Agonists/Antagonists for Taste Receptors -- Chemical activation of TRP channels in taste and smell -- Olfactory transduction channels and their modulation by varieties of volatile substances -- Chemosensory G protein-coupled receptors (GPCR) in blood leukocytes -- Neuronal functions and emerging pharmacology of TAAR1.
Sommario/riassunto	Medicinal chemistry is both science and art. The science of medicinal chemistry offers mankind one of its best hopes for improving the quality of life. The art of medicinal chemistry continues to challenge its practitioners with the need for both intuition and experience to discover new drugs. Hence sharing the experience of drug research is uniquely beneficial to the field of medicinal chemistry. Drug research requires interdisciplinary team-work at the interface between chemistry, biology and medicine. Therefore, the topic-related series Topics in Medicinal Chemistry covers all relevant aspects of drug research, e.g. pathobiochemistry of diseases, identification and

validation of (emerging) drug targets, structural biology, drugability of targets, drug design approaches, chemogenomics, synthetic chemistry including combinatorial methods, bioorganic chemistry, natural compounds, high-throughput screening, pharmacological in vitro and in vivo investigations, drug-receptor interactions on the molecular level, structure-activity relationships, drug absorption, distribution, metabolism, elimination, toxicology and pharmacogenomics. In general, special volumes are edited by well known guest editors.
