1. Record Nr. UNINA9910711213403321

Autore	Peterson K. B
Titolo	Investigation of the hydrogen source for masers / / K. B. Peterson
Pubbl/distr/stampa	Gaithersburg, MD : , : U.S. Dept. of Commerce, National Institute of Standards and Technology, , 1988
Descrizione fisica	1 online resource
Collana	NBS technical note ; ; 1315
Altri autori (Persone)	PetersonK. B
Soggetti	Hydrogen Masers Radio frequency
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	1988. Contributed record: Metadata reviewed, not verified. Some fields updated by batch processes. Title from PDF title page.
Nota di bibliografia	Includes bibliographical references.

2. Record Nr. UNINA9911019753103321

Titolo	The tumour microenvironment : causes and consequences of hypoxia and acidity
Pubbl/distr/stampa	[Place of publication not identified], : Wiley, 2001
ISBN	9786610556113 0-470-86871-6 1-280-55611-0
Descrizione fisica	1 online resource (312 pages)
Collana	Novartis Foundation Symposia ; ; v.205
Disciplina	616.992
Soggetti	Cell Hypoxia Neoplasm Invasiveness Hydrogen-Ion Concentration Neoplasm Metastasis Neoplasms Chemical Phenomena Neoplastic Processes Disease Cell Respiration Metabolism Pathologic Processes Pathological Conditions, Signs and Symptoms Cell Physiological Phenomena Oncology Medicine Health & Biological Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	In recent years, there has been great interest in exploiting the hypoxic tumour microenvironment for therapeutic gain. It has also become clear that this microenvironment is acidic and thus hostile to the

growth and survival of viable normal cells. These observations lead to several fundamentally important questions that form the basis for this book. What are the relationships between tumour perfusion and tumour pH? What are the effects of tumour pH and hypoxia on carcinogenesis or tumorigenesis? What are the therapeutic consequences of tumour pH? This exciting book brings together leading clinicians and researchers to address some of these key issues. It is hypothesized that low extracellular pH is not only an important consequence of tumour growth but may also promote further tumorigenic transformation. Furthermore, in vitro studies suggest that low pH strongly affects the efficacy of chemo- and radiotherapy. Therapeutic strategies taking into account the consequences of altered pH, or which seek to manipulate tumour pH, more be more effective than those currently employed.