1. Record Nr. UNINA9910782118003321

Autore	Coffey William <1948->
Titolo	The Langevin equation [[electronic resource]] : with applications to stochastic problems in physics, chemistry, and electrical engineering / / W.T. Coffey, Yu. P. Kalmykov, J.T. Waldron
Pubbl/distr/stampa	Singapore ; ; River Edge, N.J., : World Scientific, c2004
ISBN	1-281-93552-2 9786611935528 981-279-509-X
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (704 p.)
Collana	Series in contemporary chemical physics ; ; v. 14
Altri autori (Persone)	KalmykovYu. P WaldronJ. T
Disciplina	519.2 530.475
Soggetti	Langevin equations Brownian motion processes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents ; Preface to the Second Edition ; Preface to the First Edition ; Chapter 1 Historical Background and Introductory Concepts ; 1.1 Brownian Motion ; 1.2 Einstein's Explanation of the Brownian Movement ; 1.3 The Langevin Equation ; 1.4 Einstein's Method 1.5 Necessary Concepts of Statistical Mechanics 1.6 Probability Theory ; 1.7 Application to the Langevin Equation ; 1.8 Wiener Process ; 1.9 The Fokker-Planck Equation ; 1.10 Drift and Diffusion Coefficients ; 1.11 Solution of the One-Dimensional Fokker-Planck Equation 1.12 The Smoluchowski Equation 1.13 Escape of Particles over Potential Barriers - Kramers' Escape Rate Theory ; 1.14 Applications of the Theory of Brownian Movement in a Potential ; 1.15 Rotational Brownian Motion - Application to Dielectric Relaxation 1.16 Superparamagnetism - Magnetic After-Effect

Sommario/riassunto

This volume is the second edition of the first-ever elementary book on the Langevin equation method for the solution of problems involving the Brownian motion in a potential, with emphasis on modern applications in the natural sciences, electrical engineering and so on. It has been substantially enlarged to cover in a succinct manner a number of new topics, such as anomalous diffusion, continuous time random walks, stochastic resonance etc, which are of major current interest in view of the large number of disparate physical systems exhibiting these phenomena. The book has been written in suc

2. Record Nr. UNINA9910791830603321

Titolo	Aggressive breast cancer [[electronic resource] /] / Regina H. DeFrina, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2010
ISBN	1-61761-864-0
Descrizione fisica	1 online resource (276 p.)
Collana	Cancer etiology, diagnosis and treatments series
Altri autori (Persone)	DeFrinaRegina H
Disciplina	616.99/449
Soggetti	Breast - Cancer Breast - Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""AGGRESSIVE BREAST CANCER ""; ""AGGRESSIVE BREAST CANCER ""; ""CONTENTS ""; ""PREFACE""; ""RESEARCH AND REVIEW ARTICLES""; ""THE HER2 ONCOGENE IN BREAST CANCER ""; ""ABSTRACT ""; ""INTRODUCTION ""; ""HER PROTEIN RECEPTORS: SIGNAL TRANSDUCTION AND ONCOGENESIS ""; ""Intracellular Signaling Pathways ""; ""HER-Induced Cell Cycle Progression and Survival Pathways ""; ""OVER EXPRESSION OF HER2 AND THE PROGNOSIS OF INVASIVE BREAST CANCER ""; ""HER2 as A Prognostic Factor: Node-Positive Versus Node-Negative Disease""; ""HER Status and Lymphoid Infiltration "" ""HER2 and Progression of Early Breast Cancer Lesions to Invasive Carcinomas""""""Relationship Between HER2 and Estrogen Receptor Expression ""; ""HER2 ABNORMALITIES IN OTHER TYPES OF BREAST MALIGNANCIES ""; ""HER2 ABNORMALITIES IN OTHER TYPES OF BREAST MALIGNANCIES ""; ""Evaluating HER2 in Breast Tissue ""; ""HER2 TARGETED THERAPY IN BREAST CANCER ""; ""The Role of Trastuzumab in HER2 Overexpressing Breast Cancer ""; ""The Role of Pertuzumab in HER2 Overexpressing Breast Cancer ""; ""The Role of Trastuzumab-DM1 in HER2 Overexpressing Breast Cancer "" ""Inhibiting Several HER Receptors: The Role of Lapatinib in HER2 Overexpressing Breast Cancer """""Circulating Serum HER2 Levels ""; ""PROPOSED RESISTANCE TO ANTI-HER2 THERAPIES ""; ""Altered Receptor-Antibody Interaction ""; ""Increased Signaling from other

Receptors of the HER Family ""; ""Increased Signaling from other Receptors Activating the MAPK and PI3K Pathways ""; ""Constitutive Activation of Downstream Effectors ""; ""HER2 OVEREXPRESSION AND CHEMOTHERAPY ""; ""Anthracyclines ""; ""Taxanes ""; ""HER2 OVEREXPRESSION AND HORMONAL THERAPY ""
""CNS DISEASE IN HER2 OVEREXPRESSED BREAST CANCER """"CNS Metastases in Adjuvant Trials of Trastuzumab ""; ""Prognosis of CNS Metastases in HER2 Overexpressing Breast Cancer""; ""CONCLUSION ""; ""REFERENCES""; ""MULTI-DRUG RESISTANCE AS A PROBLEM CHALLENGING BREAST CANCER CHEMOTHERAPY ""; ""ABSTRACT ""; ""INTRODUCTION""; ""1) Non-Cellular MDR Mechanisms ""; ""2) Cellular MDR Mechanisms: ""; ""1. Changes in the intracellular accumulation and distribution of the drug ""; ""1a. Alteration of drug influx ""; ""1b. Alteration of drug efflux ""; ""NORMAL TISSUE DISTRIBUTION""
""PHYSIOLOGICAL FUNCTIONS OF P-GP """"PHARMACOLOGICAL FUNCTIONS OF P-GP ""; ""P-GP SUBSTRATES ""; ""2. Increase in Drug Detoxification ""; ""3. Alterations of Drug Targets ""; ""4. Increase in DNA Repair Mechanism ""; ""5. Changes in Key Genes Controlling Cell Proliferation ""; ""5a. Changes in genes responsible for cell cycle control ""; ""5b. Abrogation of apoptosis ""; ""6. Micro-Environmental Stress-Mediated Resistance of Solid Tumors ""; ""7. Cancer Cell Dormancy and Resistant Cancer Stem Cells ""; ""MODULATION OF MDR PHENOTYPE ""
""I. Circumvention of Drug Resistance Induced by P-Gp Pump Protein ""