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Titolo	Percutaneous Penetration Enhancers Chemical Methods in Penetration Enhancement : Drug Manipulation Strategies and Vehicle Effects / / edited by Nina Dragicevic, Howard I. Maibach
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	THE SKIN -- The Skin Structure And Penetration Pathways Through The Skin -- The Increasing Importance Of The Follicular Route In Dermal And Transdermal Drug Delivery -- The Importance Of SC Lipid Organization For Skin Barrier Function -- Nanostructure Of The Epidermal Extracellular Space Investigated By Cryo-Electron Microscopy And Tomography -- The Correlation Between Transepidermal Water Loss And Percutaneous Drug Absorption -- Influence Of Excipients On The Stratum Corneum Lipids And Epidermal Tight Junctions -- PENETRATION ENHANCEMENT TECHNIQUES IN SKIN DELIVERY -- Classification Of Penetration Enhancement Techniques -- DRUG MANIPULATION STRATEGIES IN PENETRATION ENHANCEMENT -- Selection Of A Proper Prodrug For Penetration Enhancement -- Supersaturated Solutions For Penetration Enhancement -- Eutectic Systems For Penetration Enhancement -- INFLUENCE OF VEHICLE EFFECTS IN PENETRATION ENHANCEMENT -- Dermal and Transdermal Formulations -- EMULSIONS (AS SKIN DELIVERY SYSTEMS) AS VEHICLES FOR SKIN DELIVERY.- GELS AS VEHICLES FOR SKIN DELIVERY.
Sommario/riassunto	This truly comprehensive reference, in a mini-series format with five volumes, offers a detailed description of both well-known and recently

introduced methods for percutaneous penetration enhancement. The first three volumes are devoted to the broad range of chemical methods used to enhance the skin delivery of drugs, including the vast variety of chemical penetration enhancers, drug and vehicle manipulation strategies, nanocarriers, and many others. The fourth volume discusses the diverse physical methods used in penetration enhancement, such as sonophoresis, iontophoresis, electroporation, microporation, laser ablation, and microneedles. Determination of drug penetration is covered in the final volume, with a focus especially on mathematics in skin permeation and modern analytical techniques adapted to assess and measure penetration. This edition of Percutaneous Penetration Enhancers will be an invaluable resource for researchers, pharmaceutical scientists, practitioners,and also students.