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Altri autori (Persone)	HuangZiwei <1965->
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Molecular docking and structure-based design / P. Therese Lang ... [et al.] -- Recent advances in drug discovery research using structure-based virtual screening techniques : examples of success for diverse protein targets / Sutapa Ghosh ... [et al.] -- Virtual screening in drug discovery / Malcolm J. McGregor, Zhaowen Luo, and Xuliang Jiang -- Computer-aided drug design / Grace Shiahuy Chen and Ji-Wang Chern -- Focused library design based on hit and target structures : method and application in drug discovery / Weiliang Zhu ... [et al.] -- Beyond natural products : synthetic analogs of bryostatin 1 / Paul A. Wender ... [et al.] -- The promises and pitfalls of small-molecule inhibition of poly(ADP-ribose) glycohydrolase (PARG) / Amanda C. Nottbohm and Paul J. Hergenrother -- Cyclic ADP-ribose analogues with minimal structure : synthesis and calcium-release activity / Lihe Zhang and Andreas H. Guse -- Evaluation of neuroimmunophilin ligands / Junhai Xiao, Aihua Nie, and Song Li -- Chiral drugs and the associated asymmetric synthesis / Jiange Zhang and Guoqiang Lin -- Alpha-helix mimetics in drug discovery / Hang Yin, Gui-In Lee, and

Andrew D. Hamilton -- Basic and translational research of chemokine ligands and receptors and development of novel therapeutics / Won-Tak Choi ... [et al.] -- Research progress in protein post-translational modification / Jia Hu, Yanting Guo, and Yanmei Li -- Controlled release of antibiotics encapsulated in nanoporous sol-gel materials with tunable pore parameters / Houping Yin, Laura Zheng, and Yen Wei -- Retinoic acid and arsenic trioxide treatment in acute promyelocytic leukemia : a model of oncoprotein targeted therapy / Jian-Hua Tong, Sai-Juan Chen, and Zhu Chen.

2-chlorodeoxyadenosine (cladribine) : rational development of a novel chemotherapeutic agent / Howard B. Cottam and Dennis A. Carson -- Apoptosis-based drug discovery for cancer / John C. Reed ... [et al.] -- Mechanism-based development of memantine as a therapeutic agent in treating Alzheimer's disease and other neurologic disorders : low-affinity, uncompetitive antagonism with fast off-rate / Huei-Sheng Vincent Chen and Stuart A. Lipton -- Bridging bench to clinic : roles of animal models for post-genomics drug discovery on metabolic diseases / Chi-Wai Wong and Ling Chen -- Stem cell research and applications for human therapies / Prithi Rajan ... [et al.]

Sommario/riassunto

Post Genomics Drug Discovery and Research explores and discusses some of the most important topics in post-genomics life and biopharmaceutical sciences. It provides an introduction to the field, outlining examples of many techniques currently used, as well as those still under development, which are important for the research of biopharmaceutical discovery in the post-genomics era. Integrates several developing and cutting-edge technologies and methods like bioinformatics, experimental therapeutics, and molecular recognition. Includes discussion on topics such as: computer-aided ligan
