1.	Record Nr.	UNINA9910830364903321
	Autore	Nord F. F.
	Titolo	Advances in enzymology and related areas of molecular biology . Volume 77 / / founded by F. F. Nord ; edited by Eric J. Toone
	Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , [2011] ©2011
	ISBN	0-470-92293-1
		1-283-02543-4
		9786613025432
		0-470-92052-1
		0-470-92054-8
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (442 p.)
	Collana	Advances in enzymology and related areas of molecular biology ; ; v. 77
	Disciplina	572.7
	Soggetti	Enzymes - Synthesis
		Enzymes - Industrial applications
	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	ADVANCES IN ENZYMOLOGY AND RELATED AREAS OF MOLECULAR BIOLOGY; CONTENTS; CONTRIBUTORS; PREFACE; STRUCTURE AND MECHANISM OF RND-TYPE MULTIDRUG EFFLUX PUMPS; EFFLUX PUMPS OF GRAM-NEGATIVE BACTERIA: GENETIC RESPONSES TO STRESS AND THE MODULATION OF THEIR ACTIVITY BY pH, INHIBITORS, AND PHENOTHIAZINES; EFFLUX PUMPS OF THE RESISTANCE-NODULATION-DIVISION FAMILY: A PERSPECTIVE OF THEIR STRUCTURE, FUNCTION, AND REGULATION IN GRAM-NEGATIVE BACTERIA; THE MFS EFFLUX PROTEINS OF GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA; EFFLUX PUMPS AS AN IMPORTANT MECHANISM FOR QUINOLONE RESISTANCE XENOBIOTIC EFFLUX IN BACTERIA AND FUNGI: A GENOMICS UPDATEA SURVEY OF OXIDATIVE PARACATALYTIC REACTIONS CATALYZED BY ENZYMES THAT GENERATE CARBANIONIC INTERMEDIATES: IMPLICATIONS FOR ROS PRODUCTION, CANCER ETIOLOGY, AND NEURODEGENERATIVE DISEASES; AUTHOR I NDEX; SUBJECT INDEX; COLOUR PLATES
	Sommario/riassunto	This book covers important advances in enzymology, explaining the

behavior of enzymes and how they can be utilized to develop novel drugs, synthesize known and novel compounds, and understand evolutionary processes.