1.	Record Nr.	UNINA9910959975203321
	Titolo	The blood-brain barrier : new research / / Pedro A. Montenegro and Stefanee M. Juarez, editors
	Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Publishers, c2012
	ISBN	1-62100-812-6
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (346 p.)
	Collana	Neuroscience research progress Neurology--laboratory and clinical research developments
	Altri autori (Persone)	MontenegroPedro A JuarezStefanee M
	Disciplina	573.8621
	Soggetti	Blood-brain barrier
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"Nova biomedical."
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Local and temporal regulation of the blood-brain barrier during normal and altered physiological states / Beatriz Gomez-Gonzalez, Gabriela Hurtado-Alvarado, Javier Velazquez-Moctezuma -- Angiogenesis and its mechanistic implications in the pathology of neurodegenerative disorders / Aditiben Patel ... [et al.] -- It takes two to tango : protein-protein interactions in the translocation of pathogens across blood-brain barrier / L. Pulzova ... [et al.] -- Efflux-transporters at the blood-brain barrier : therapeutic opportunities / Alan Talevi ... [et al.] -- Novel strategies to restore blood brain barrier integrity after brain injury / Winfried Neuhaus ... [et al.] -- Evaluation of the blood-cerebrospinal fluid barrier in neurological diseases / Alina Gonzalez-Quevedo ... [et al.] -- Blood-brain barrier in health and disease / Ines Palmela, Dora Brites, Maria Alexandra Brito -- HIV-1 gp120 induces blood-brain barrier abnormalities : pathophysiology and therapeutic consequences / Jean-Pierre Louboutin, David S. Strayer -- Blood brain barrier in hepatic encephalopathy / Cuiming Sun, Pei Liu -- Blood-brain barrier (BBB) : morphology and disease / L. Colin-Barenque ... [et al.].
	Sommario/riassunto	The blood-brain barrier (BBB) is a highly regulated system that maintains brain allostasis. BBB achieves its main function by transporting blood to brain glucose, amino acids and other molecules needed for proper neural physiology, while extruding from the brain molecules derived from neural and glial metabolism that may have

neurotoxic properties. In this book, the authors present topical research in the study of blood-brain barriers including their local and temporal regulation during normal and altered physiological states; the therapeutic opportunities of efflux-transporters at the blood-brain barrier; novel strategies to restore blood-brain barrier integrity after brain injury; evaluation of the blood-cerebrospinal fluid barrier in neurological diseases and blood-brain barrier in hepatic encephalopathy