1. Record Nr. UNINA9910144656203321

Titolo	Development of the autonomic nervous system [[electronic resource] /] / [Katherine Elliott and Geralyn Lawrenson, editors]
Pubbl/distr/stampa	London, : Pitman, 1981
ISBN	0-470-72065-4 0-470-71834-X
Descrizione fisica	1 online resource (402 p.)
Collana	Ciba Foundation symposium ; ; 83
Altri autori (Persone)	ElliottKatherine CollinsGeralyn M
Disciplina	612 612/.89
Soggetti	Autonomic nervous system
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 indexes.
Nota di contenuto	Development of the autonomic nervous system; Contents; Current approaches to development of the autonomic nervous system: clues to clinical problems; Discussion; Plasticity in the development of the peripheral nervous system; Discussion; Development of enteric neurons from non-recognizable precursor cells; Discussion; Autonomic regulation of cardiovascular function in neonates; Discussion; Developmental influences on vascular structure and function; Discussion; Growth and development of sympathetic neurons in tissue culture Adrenergic-cholinergic dual function in cultured sympathetic neurons of the ratDISCUSSION OF THE TWO PRECEDING PAPERS; In vitro responses of sympathetic neurons to nerve growth factor and other macromolecular agents; Discussion; Transmitter phenotypic expression in the embryo; Discussion; Interactions between developing autonomic neurons and their target tissues; Discussion; Factors regulating growth of catecholamine-containing nerves, as revealed by transplantation and ex- plantation studies; Discussion; Regulation of synaptic connections in the rabbit ciliary ganglion; Discussion Pregnancy induces degenerative and regenerative changes in the autonomic innervation of the female reproductive tractDiscussion; GENERAL DISCUSSION; Cholinergic synapse development in chick

		sympathetic ganglia; Effect of substratum on neurite outgrowth in vitro; The link between laboratory work and clinical practice; The autonomic nervous system and perinatal metabolism; Discussion; Fetal cardiovascular reactions during labour and asphyxia modified by adrenergic receptor agonists and antagonists; Discussion Myenteric plexus of the hind-gut: developmental abnormalities in humans and experimental studiesDiscussion; FINAL GENERAL DISCUSSION; Hirschsprung's disease: embryological aspects and basic mechanisms; Nerve growth factor and other trophic factors in conditioned media (with some immunological considerations); Chairman's concluding remarks; Index of contributors; Subject index
2.	Record Nr.	UNINA9910424948303321
	Autore	Adams Nikolaus A
	Titolo	Future Space-Transport-System Components under High Thermal and Mechanical Loads : Results from the DFG Collaborative Research Center TRR40 / / edited by Nikolaus A. Adams, Wolfgang Schröder, Rolf Radespiel, Oskar J. Haidn, Thomas Sattelmayer, Christian Stemmer, Bernhard Weigand
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
	ISBN	978-3-030-53847-7 3-030-53847-8
	Edizione	[1st ed. 2021.]
	Descrizione fisica	1 online resource (ix, 419 pages 273) : illustrations in color
	Collana	Notes on Numerical Fluid Mechanics and Multidisciplinary Design, , 1860-0824 ; ; 146
	Classificazione	TEC002000TEC009070TEC021000
	Disciplina	620.1064
	Soggetti	Fluid mechanics Aerospace engineering Astronautics Building materials Engineering Fluid Dynamics Aerospace Technology and Astronautics Structural Materials
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

Nota di contenuto	Collaborative Research for Future Space Transportation Systems -- Innovative Cooling for Rocket Combustion Chambers -- Film Cooling in Rocket Nozzle -- Heat Transfer in Pulsating Flow and its Impact on Temperature Distribution and Damping Performance of Acoustic Resonators -- Eects of a Launcher’s External Fow on a Dual-Bell Nozzle Flow -- Interaction of Wake and Propulsive Jet Flow of a Generic Space Launcher -- Numerical Analysis of the Turbulent Wake for a Generic Space Launcher with a Dual-Bell Nozzle.
Sommario/riassunto	This open access book presents the findings of Collaborative Research Center Transregio 40 (TRR40), initiated in July 2008 and funded by the German Research Foundation (DFG). Gathering innovative design concepts for thrust chambers and nozzles, as well as cutting-edge methods of aft-body flow control and propulsion-component cooling, it brings together fundamental research undertaken at universities, testing carried out at the German Aerospace Center (DLR) and industrial developments from the ArianeGroup. With a particular focus on heat transfer analyses and novel cooling concepts for thermally highly loaded structures, the book highlights the aft-body flow of the space transportation system and its interaction with the nozzle flow, which are especially critical during the early phase of atmospheric ascent. Moreover, it describes virtual demonstrators for combustion chambers and nozzles, and discusses their industrial applicability. As such, it is a timely resource for researchers, graduate students and practitioners. .