1. Record Nr. UNINA9910643375403321

Titolo	Ciba Foundation Symposium [[electronic resource]] : development of the lung / / edited by A.V.S. de Reuck and Ruth Porter
Pubbl/distr/stampa	London, : J. & A. Churchill, 1967
ISBN	1-280-76869-X 9786613679468 0-470-71947-8 0-470-71702-5
Descrizione fisica	1 online resource (466 p.)
Collana	Ciba Foundation symposium
Altri autori (Persone)	De ReuckAnthony V. S PorterRuth
Disciplina	600
Soggetti	Lungs Respiration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Proceedings of the Symposium on Development of the Lung, held Nov. 1-3, 1965.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	DEVELOPMENT OF THE LUNG; Contents; Chairman's opening remarks; Gas transport from the external environment to the cell; Discussion; Variation of chemical potential with temperature*; Some implications of the dynamics of gas transfer in water-breathing dogs; Discussion; Evolution between air and water; Discussion; Quantitative aspects of vertebrate gas exchange; Discussion; The embryology of the lung; Discussion; Postnatal growth of the lung and pulmonary gas-exchange capacity; Discussion; A morphological contribution to the development of the human lung: observations in the non-retracted lung General DiscussionThe alveolar lining layer; Discussion; Physiological consequences of the apposition of blood and gas in the lung; Discussion; The alveolar lining layer; Discussion; General Discussion; Comparative properties of the lungs and the placenta: a graphical analysis of placental gas exchange; Discussion; The oxygen supply of the foetus; Discussion; Carriage of oxygen in the blood of the foetus; Discussion; Oxygen consumption of the placenta and foetal membranes in the sheep; Discussion; General Discussion; Carbon

		monoxide and oxygen saturation; Oxygen consumption and the placenta Surface-active lipoproteinlnitiation of respiration; Discussion; Pulmonary circulation in the foetus and the newborn; Discussion; Uptake of liquid from the lungs at the start of breathing; Group Discussion; Discussion; Surfactant and lung collapse; Observations of homoeostatic regulation; Nature of homoeostatic regulation; Evolution of homoeostatic regulation; Transport across membranes; Chairman's closing remarks; Author Index; Subject Index
2.	Record Nr.	UNINA9910227348703321
	Autore	S. Kent Hoekman
	Titolo	Advancements in Algal Biofuels Research - Recent Evaluation of Algal Biomass Production and Conversion Methods of into Fuels and High Value Co-products
	Pubbl/distr/stampa	Frontiers Media SA, 2017
	Descrizione fisica	1 online resource (81 p.)
	Collana	Frontiers Research Topics
	Soggetti	Biotechnology
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Sommario/riassunto	Algae biomass has enormous potential to produce fuels and value-added products. Algae-derived biofuels and bioproducts offer great promise in contributing to U.S. energy security and in mitigating the environmental concerns associated with conventional fuels. Algae's ability to grow in low quality water/wastewater and to accumulate lipids has encouraged scientists to investigate algae as a medium for wastewater treatment and a potential source of fuel and bioproducts. There are growing demands for biomass-based transportation fuels, including biodiesel, bio-oil, biomethane, biohydrogen, and other high-value products (nutraceuticals, proteins, omega-3 etc.). Algae can help address these needs. The topic of algae energy includes the production and characterization of algae cultures, conversion into fuel feedstocks

and high value products, and optimization of product isolation and use. In view of the increasing efforts in algae biomass production and conversion into energy and high-value products, the current research topic covers important aspects of algal strain selection, culture systems, inorganic carbon utilization, lipid metabolism and quality, biomass harvesting, extraction of lipids and proteins, and thermochemical conversion of algal feedstocks into biocrude.