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Autore	Rocha-Rodrigues Silvia
Titolo	Nutrient Intake and Physical Exercise as Modulators of Healthy Women
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
ISBN	3-0365-6086-6
Descrizione fisica	1 electronic resource (174 p.)
Soggetti	Research & information: general Biology, life sciences Food & society
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Cumulative evidence demonstrates that healthy nutrient intake and regular physical exercise are both powerful lifestyle strategies that modulate lifelong health through their ability to improve body composition, musculoskeletal health, sex steroid hormones, sleep quality, and physical and cognitive performance, as well as to prevent chronic diseases across the lifespan, especially in women. While the benefits of nutrition and physical exercise are commonly studied separately, the integration of nutrition and physical exercise has the potential to produce greater benefits in women than strategies focusing only on one or the other. Studying the specificities of women in response to interventions is of the utmost importance for providing optimal healthcare and aids the design of guidelines that are better suited for women. A better knowledge regarding nutrient intake and physical exercise and their interaction in women is therefore needed. This Special Issue entitled "nutrient intake and physical exercise as modulators of healthy women" will comprise manuscripts that highlight this integrational approach as a potential modulator of lifelong outcomes in women.

2. Record Nr.	UNINA9911019710303321
Autore	Zhang Jianjun
Titolo	Intelligent Satellite Design and Implementation
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2023 ©2024
ISBN	9781394198962
Edizione	[1st ed.]
Descrizione fisica	1 online resource (217 pages)
Altri autori (Persone)	LiJing
Disciplina	629.46028563
Soggetti	Artificial intelligence Artificial satellites
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- About the Authors -- Preface -- Chapter 1 Development of Artificial Intelligence -- 1.1 The Concept and Evolution of Artificial Intelligence -- 1.1.1 The Concept of Artificial Intelligence -- 1.1.2 Evolution of Artificial Intelligence -- 1.2 The Current Scope and Technical Framework of Artificial Intelligence -- 1.2.1 Technical Scope -- 1.2.2 Technical Framework -- 1.2.3 Technical Features -- 1.3 The Overall Development Trend of Artificial Intelligence -- 1.3.1 Current Development Trend -- 1.3.2 Technical Development Trend -- 1.4 The Main Achievements of AI -- 1.4.1 Image Recognition -- 1.4.2 Speech Recognition -- 1.4.3 Art Creation -- 1.4.4 Other Aspects -- References -- Chapter 2 Artificial Intelligence in the Satellite Field -- 2.1 The Concept and Connotation of Intelligent Satellite -- 2.1.1 The Concept of Intelligent Satellite -- 2.1.2 Technical Characteristics of Intelligent Satellite -- 2.2 Technical Characteristics of Intelligent Satellite System -- 2.2.1 Intelligent Classification of Satellite System -- 2.2.2 Intelligent Satellite Technology Architecture
Sommario/riassunto	This book, authored by Jianjun Zhang and Jing Li, explores the integration of artificial intelligence (AI) in satellite design and operation. It delves into the technical frameworks and trends of AI, focusing on its application within the satellite field. The text covers the evolution and current scope of AI, highlighting its impact on satellite systems through

autonomous control, intelligent reasoning, and the potential for disruptive innovation. The authors address the opportunities and challenges AI presents for satellite technology, aiming to improve system efficiency and foster new working patterns that integrate space and earth operations. The book is intended for professionals and researchers in aerospace and satellite technology, seeking to understand the role of AI in advancing satellite capabilities.
