

1. Record Nr.	UNINA9910674035803321
Autore	Papalia Rocco
Titolo	Physical Activity in the Elderly and Orthopaedic Surgery
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (206 p.)
Soggetti	Humanities Social interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Old age is increasingly becoming the focus of research and development in Europe. Concerning orthopaedics and sports medicine, the elderly especially are considered as frail patients who need support to maintain the health of their musculoskeletal systems. For this reason, several interventions regarding physical activity have been investigated in recent years in order to understand whether some programs of physical activity are better than others as conservative treatments for degenerative musculoskeletal pathologies (i.e., osteoarthritis, rotator cuff arthropathy, and lower back pain). Furthermore, several investigations have been carried out to understand the best preoperative and postoperative protocols of physical activity to improve the results of orthopaedic surgery. The aim of this Special Issue was to collect the updated evidence concerning these topics in the form of a collection of systematic reviews of the literature.</p>

2. Record Nr.	UNINA9910557308503321
Autore	Dannier Adolfo
Titolo	Power Converter of Electric Machines, Renewable Energy Systems, and Transportation
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (218 p.)
Soggetti	Energy industries & utilities Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Power converters and electric machines represent essential components in all fields of electrical engineering. In fact, we are heading towards a future where energy will be more and more electrical: electrical vehicles, electrical motors, renewables, storage systems are now widespread. The ongoing energy transition poses new challenges for interfacing and integrating different power systems. The constraints of space, weight, reliability, performance, and autonomy for the electric system have increased the attention of scientific research in order to find more and more appropriate technological solutions. In this context, power converters and electric machines assume a key role in enabling higher performance of electrical power conversion. Consequently, the design and control of power converters and electric machines shall be developed accordingly to the requirements of the specific application, thus leading to more specialized solutions, with the aim of enhancing the reliability, fault tolerance, and flexibility of the next generation power systems.</p>