

1. Record Nr.	UNINA9910552726003321
Autore	Jetzer Philippe
Titolo	Applications of general relativity : with problems / / Philippe Jetzer
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	9783030957186 9783030957179
Descrizione fisica	1 online resource (203 pages)
Collana	UNITEXT for Physics
Disciplina	530.11
Soggetti	General relativity (Physics) Astrophysics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.

2. Record Nr.	UNINA9910557117903321
Autore	Graziani Gabriela
Titolo	Ion-Substituted Calcium Phosphates Coatings
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (182 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Coatings based on hydroxyapatite and calcium phosphates have a significant relevance in several research fields, such as biomaterials, cultural heritage, and water treatment, due to their characteristic properties. Hydroxyapatite can easily accommodate foreign ions, which can either be incorporated into the lattice, thanks to its specific lattice characteristics, or be adsorbed onto its surface. All these substitutions significantly alter the morphology, lattice parameters, and crystallinity of hydroxyapatite so they influence its main properties. These ion substitutions can be sought or can derive from substrate contaminations, which is an important aspect to be evaluated. Finally, this capability can be used to obtain hydroxyapatites with specific properties, such as antibacterial characteristics, among others. For these reasons, the aim of this Special Issue is to document current advances in the field of ion-substituted hydroxyapatites and highlight possible future perspectives regarding their use. Contributions in the form of original articles and review articles are presented, covering different areas of application.