1. **Record Nr.** UNINA9910703687303321

   Autore Field Edward H. <1964->

   Titolo UCERF3 : new earthquake forecast for California's complex fault system / / Edward H. Field and members of the 2014 WGCEP

   Pubbl/distr/stampa [Reston, Virginia] : , : U.S. Department of the Interior, U.S. Geological Survey, , 2015

   Descrizione fisica 1 online resource (6 unnumbered pages) : color maps

   Collana Fact sheet ; ; 2015-3009

   Soggetti Earthquake prediction - California
   Faults (Geology) - California
   Earthquakes - Risk assessment - California
   Earthquakes - California - Computer simulation

   Lingua di pubblicazione Inglese

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   Livello bibliografico Monografia

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   Nota di bibliografia Includes bibliographical references (page 6).

2. Record Nr.   UNINA9910346685203321

   Autore   Díez-Pascual Ana

   Titolo   Nanoparticle-Reinforced Polymers / Ana Díez-Pascual

   Pubbl/distr/stampa MDPI - Multidisciplinary Digital Publishing Institute, 2019
                       Basel, Switzerland : , : MDPI, , 2019

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   Sommario/riassunto This book, a collection of 12 original contributions and 4 reviews,
                       provides a selection of the most recent advances in the preparation,
                       characterization, and applications of polymeric nanocomposites
                       comprising nanoparticles. The concept of nanoparticle-reinforced
                       polymers came about three decades ago, following the outstanding
                       discovery of fullerenes and carbon nanotubes. One of the main ideas
                       behind this approach is to improve the matrix mechanical performance.
                       The nanoparticles exhibit higher specific surface area, surface energy,
                       and density compared to microparticles and, hence, lower nanofiller
                       concentrations are needed to attain properties comparable to, or even
                       better than, those obtained by conventional microfiller loadings, which
                       facilitates processing and minimizes the increase in composite weight.
                       The addition of nanoparticles into different polymer matrices opens up
                       an important research area in the field of composite materials.
                       Moreover, many different types of inorganic nanoparticles, such as
                       quantum dots, metal oxides, and ceramic and metallic nanoparticles,
                       have been incorporated into polymers for their application in a wide
                       range of fields, ranging from medicine to photovoltaics, packaging, and
                       structural applications.