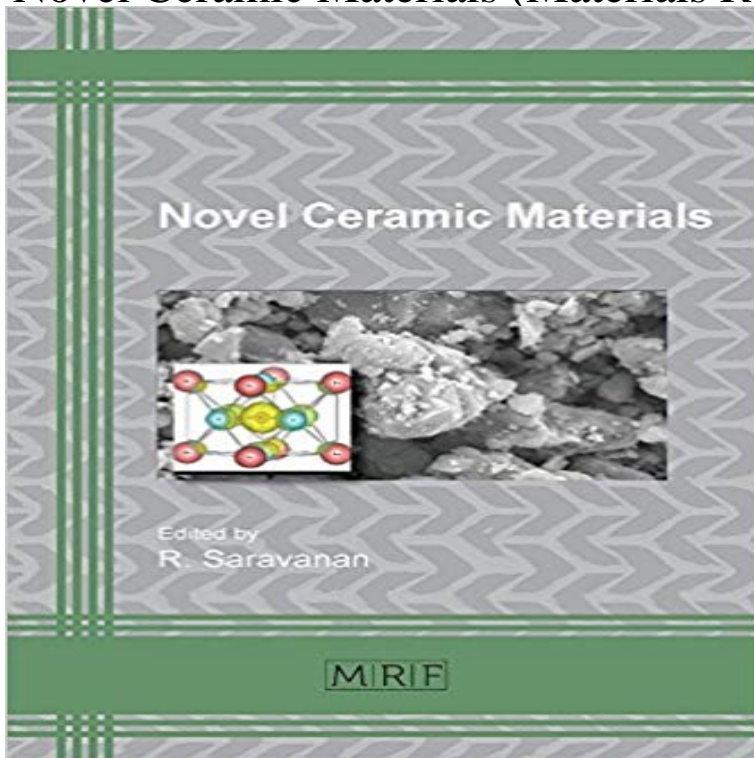


Novel Ceramic Materials (Materials Research Foundations)



The book presents a number of novel ceramic materials that have great potential for advanced technological applications, such as microwave devices, communication instruments and memory devices. The materials covered include piezoelectric ceramics, zirconia ceramics, doped NiO ceramic nanostructures, BST ceramics (Barium-Strontium-Titanates), manganite ceramics, Ce-doped LaMnO₃ and Sb-doped NKN (Sodium-Potassium-Niobates), as well as materials with ferrite structures, and with multi-ferroic structures. The materials were characterized experimentally by means of XRD (X-ray diffraction), SEM (Scanning electron microscopy), EDX (Energy Dispersive X-ray analysis), UV-Visible Spectroscopy, and VSM (Vibrating sample magnetometer). The results are discussed in terms of the structural characteristics of the various crystal structures, their special surface morphology, and their optical and magnetic properties. Of particular interest is the determination of the electron density distribution (on the basis of XRD data and computerized evaluations). These data elucidate the atomic/electronic structure of the materials and make us understand the specific characteristics of these novel ceramics.

Welcome to the blog of Joan le Grande. I'm changing the blog to english so forgive me the dutch articles before. I already translated a few, keeping it up! Anyway, stay tuned for lifestyle articles and reviews about games or other nerdy stuff. Enjoy! Categories Comics Games Playstation 4 Wii U Lifestyle Posted by Joan le Grande in Games, Playstation 4 Leave a comment Tagsexperience, first look, Games, Playstation 4, Playstation VR review, ps4 VR review, virtual reality YES YES YES. I'm super hyped about the VR, but you obviously knew that already because of my last blogpost. There were a few hiccups because I ordered it online and I was working during the time it came. I stressed, freaked, jumped and finally gave up on the thought I got to play on the day it came out. But luck was on my side and when I got home, 20 minutes later the VR glasses arrived! In this post I will take you with me on my first experience with virtual reality. Was it as awesome as I hoped? Or is nauseating and not really my cup of tea? Read and find out!

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