

MECHANOCHEMICAL vs. CHEMICAL SYNTHESIS IN THE PREPARATION OF $YMnO_3$ CERAMIC MATERIALS



报告人

Dr Milica Počuča-Nešić

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Milica Počuča-Nešić is a research assistant at Institute for Multidisciplinary Research, Belgrade University. Her research area includes materials science, inorganic chemistry, solid state chemistry, chemical synthesis methods; mechanochemical and solvothermal syntheses of metal oxide ceramic materials; characterization of materials; the preparation of mesoporous materials – soft/hard templating and electrospinning

Abstract: $YMnO_3$ (YMO), as a representative of hexagonal family of rare earth manganites ($RMnO_3$), possesses useful and interesting magnetic, ferroelectric and optical properties. Under this motivation, we investigated the impact of different synthetic paths on the properties of the $YMnO_3$, both powders and ceramic materials. Precursor YMO powders were obtained by mechanochemical and chemical synthesis.

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