Physical Properties of Modified Compositions of Strontium Ruthenates\textsuperscript{1} ARMEN GULIAN, VAHAN NIKOGHOSYAN, Chapman University — We performed systematic research on ceramic materials Sr2RuO4 with Sulfur, Selenium or Tellurium added, in combination with other dopants such as: Au, Pt, Al, Zn, Mn, Ba, Na, Ca, Os, Co, Ni, Fe, and Ir. Data on resistive, magnetic, structural, compositional, morphological and other physical properties are obtained, and the most interesting results are presented, as well as corresponding synthesis conditions.

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