

Materials List for:

Synthesis of Non-uniformly Pr-doped SrTiO₃ Ceramics and Their Thermoelectric Properties

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URL: <https://www.jove.com/video/52869>

DOI: [doi:10.3791/52869](https://doi.org/10.3791/52869)

Materials

Name	Company	Catalog Number	Comments
SrCO ₃ Powder, 99.9%	Sigma Aldrich	472018	
TiO ₂ Nanopowder, 99.5%	Sigma Aldrich	718467	
Pr ₂ O ₃ Sintered Lumps, 99.9%	Alfa Aesar	35663	
Spark Plasma Sintering	Dr. Sinter Lab	SPS-515S	
Resistivity/Seebeck Coefficient Measurement System	Ulvac-Riko	ZEM-2	
Laser Flash Thermal Diffusivity Measurement System	Netzsch	LFA-457 Microflash	
Differential Scanning Calorimetry (DSC) System	Netzsch	404C Pegasus	
Physical Property Measurement system (PPMS)	Quantum Design		
Field Emission Scanning Electron Microscope (FE-SEM)	Hitachi	SU-6600	
Energy-dispersive X-ray Spectroscopy (EDS)	Oxford Instruments		
X-ray Diffractometer	Rigaku	Ultima IV	
Bench-top Sputter Coater	Denton Vacuum	Desk II	
Diamond Wheel Saw	South Bay Technology		