Special Issue

Electrical and Optical Properties of Metal Oxide Thin Films

Message from the Guest Editor

Metal oxide thin films are among the primary factors boosters of the recent advances in microelectronics and optoelectronics which have resulted in explosive growth in communications and information processing, storage and display applications. Metal oxides present a wide diversity of electrical, optical, magnetic, piezoelectric, and acoustic properties with uses in a wide variety of applications. The successful application of metal oxides depends to a great extent on finding effective ways to modify and tune their electrical and optical properties. In this Special Issue, we will address recent progress in metal oxide thin films, the technology behind them, and their advanced characterization. A special focus should be placed on their electrical and optical properties in relation to specific micro-, opto- and acoustoelectronic as well as sensor applications. It is my pleasure to invite you to submit a manuscript for inclusion in this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/171897

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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