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Metal Oxide Semiconductors: Synthesis, Structure, and Applications

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Message from the Guest Editor

Dear Colleagues,

We are delighted to invite you to contribute to the Special Issue “Metal Oxide Semiconductors: Synthesis, Structure, and Applications”. Oxides find applications in many areas of technological relevance. This stems from their abundance and their many beneficial properties which make them potential candidates for many applications. This Special issue aims to report on efficient characterization techniques, both at theoretical and experimental levels, of different class of oxides, including bulk and material systems with low dimensions, that allow a rational design of, and provide fundamental insights into, key properties governing their performance in operando. In this Special Issue, original research articles, communications, and reviews are welcome. Research areas may include the following: surface science, heterogeneous catalysis, energy conversion, electronics, optoelectronics, spintronics, corrosion, environmental science, and tribology. I look forward to receiving your contributions.

Dr. Stephane Kenmoe

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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