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Research in Magnetoresistance of Magnetic Materials

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Message from the Guest Editors

This Special Issue focuses on the recent great achievements in anisotropic magnetoresistance (AMR), giant magnetoresistance (GMR), tunneling magnetoresistance (TMR), and colossal magnetoresistance (CMR) in the metallic magnetic thin films and heterostructures, and on promising two-dimensional magnets. At the same time, we also welcome authors in the fields of new low-dimensional magnetism, topological magnetic states, antiferromagnetic spintronics and novel spintronic devices to submit papers. We cordially invite colleagues to submit original research articles or reviews that will fit in one of the topics listed below:

- Anisotropic magnetoresistance (AMR);
- Giant magnetoresistance (GMR);
- Tunneling magnetoresistance (TMR);
- Colossal magnetoresistance (CMR);
- Magnetic thin films and devices;
- 2D magnetism;
- Antiferro-magnetic spintronics;
- Magnetic tunnel junction;
- Hall effect; topological magnetism;
- Multiferroic thin film and devices;
- Novel electronic states in the magnetic materials;
- XMCD and XAS characterizations;
- Magnetic simulations and theory.