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Nota di contenuto	About the Editors -- Preface to "Magnetic Functional Materials: Synthesis, Characterization and Application" -- Magnetic Functional Materials: Synthesis, Characterization and Application: A New Open Special Issue in Materials -- Comparisons of Dy Utilization Efficiency by DyHx Grain Boundary Addition and Surface Diffusion Methods in Nd-Y-Fe-B Sintered Magnet -- Transport Property and Spin-Orbit Torque in 2D Rashba Ferromagnetic Electron Gas -- The Effect of Grain Size on the Diffusion Efficiency and Microstructure of Sintered Nd-Fe-B Magnets by Tb Grain Boundary Diffusion -- Tomonaga-Luttinger Spin Liquid and Kosterlitz-Thouless Transition in the Spin-1/2 Branched -- Chains: The Study of Topological Phase Transition -- Unraveling the Phase Stability and Physical Property of Modulated Martensite in Ni ₂ Mn _{1.5} In _{0.5} Alloys by First-Principles Calculations -- Microwave-Assisted Solvothermal Synthesis of Nanocrystallite-Derived Magnetite Spheres -- Sulfidized Nanoscale Zerovalent Iron Supported by Oyster Powder for Efficient Removal of Cr (VI): Characterization, Performance, and Mechanisms -- Effect of Polyimide-Phosphating Double Coating and Annealing on the Magnetic Properties of Fe-Si-Cr SMCs -- A Study on the Static Magnetic and Electromagnetic Properties of Silica-Coated Carbonyl Iron Powder after Heat Treatment for Improving Thermal Stability.
Sommario/riassunto	Magnetic functional materials are widely used in energy, information, and materials science and technology. There are many kinds of

magnetic functional materials, and their progress is rapid. Magnetic functional materials have attracted a great deal of attention regarding their applications. Magnetic behaviors are widespread in a variety of materials, such as metals, ceramics, organics, and emerging 2D materials. The applications of magnetic materials include memories, sensors, magnetic refrigeration, drug delivery, electrochemistry, environmental protection, energy storage, and more. This Special Issue, "Magnetic Functional Materials: Synthesis, Characterization and Application", addresses existing knowledge gaps and aids advance deployment of magnetic functional materials. It consists of nine peer-reviewed papers and one editorial that cover a range of subjects and applications related to magnetic functional materials.
