

Applications of Magnetic Materials to Information Data Storage and Microwave Devices

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This talk provides an overview of hexaferrites and magnetic films used in particulate recording media, microwave devices, and magnetic random access memory (MRAM). After a brief introduction of the applications, a number of recent results achieved by the author's laboratory will be presented. The first part focuses on information data storage, circulator, antenna, and inductor and the second part covers future application of hexaferrites to non-volatile MRAM.