



Journal of Physics D  
Applied Physics

Applied magnetism and magnetic materials

# Journal of Physics D

## Applied Physics

A journal with a strong reputation for rapid publication of high-quality, high-impact work with a section dedicated to **applied magnetism**.

### Highlights

- Effects of ion doping at different sites on electrical properties of multiferroic BiFeO<sub>3</sub> ceramics  
**Benfang Yu, Meiya Li, Jun Liu, Dongyun Guo, Ling Pei and Xingzhong Zhao**
  - The discovery, development and future of GMR: The Nobel Prize 2007  
**S M Thompson**
- Ferromagnetism and suppression of metallic clusters in Fe implanted ZnO: a phenomenon related to defects?  
**Shengqiang Zhou, K Potzger, G Talut, H Reuther, K Kuepper, J Grenzer, Qingyu Xu, A Mücklich, M Helm, J Fassbender and E Arenholz**
  - Self-assembly of inorganic magnetic nanocrystals: a new physics emerges  
**M P Pileni**
    - Large area patterned magnetic nanostructures  
**A O Adeyeye and N Singh**
- Intrinsic and non-local Gilbert damping in polycrystalline nickel studied by Ti : sapphire laser fs spectroscopy  
**J Walowski, M Djordjevic Kaufmann, B Lenk, C Hamann, J McCord and M Münzenberg**



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