

Top 25 Hottest Articles

Physics and Astronomy > Journal of Magnetism and Magnetic Materials
July to September 2008



- 1. Electro-precipitation of Fe³⁺O₄ nanoparticles in ethanol**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages 2311-2315
Marques, R.F.C.; Garcia, C.; Lecante, P.; Ribeiro, S.J.L.; Noe, L.; Silva, N.J.O.; Amaral, V.; Millan, A.; Verelst, M.
[Cited by Scopus \(26\)](#)
- 2. Superparamagnetic nanoparticles for biomedical applications: Possibilities and limitations of a new drug delivery system** • Review article
Journal of Magnetism and Magnetic Materials, Volume 293, Issue 1, May 2005, Pages 483-496
Neuberger, T.; Schopf, B.; Hofmann, H.; Hofmann, M.; von Rechenberg, B.
[Cited by Scopus \(876\)](#)
- 3. Heat generation of aqueously dispersed CoFe²⁺O₄ nanoparticles as heating agents for magnetically activated drug delivery and hyperthermia**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages 2390-2396
Kim, D.-H.; Nikles, D.E.; Johnson, D.T.; Brazel, C.S.
[Cited by Scopus \(120\)](#)
- 4. Application of citrate-stabilized gold-coated ferric oxide composite nanoparticles for biological separations**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 15, August 2008, Pages 2049-2055
Hien Pham, T.T.; Cao, C.; Sim, S.J.
[Cited by Scopus \(70\)](#)
- 5. High-temperature ferromagnetism in cobalt-doped ZnO single-crystalline nanorods**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 21, November 2008, Pages 2563-2566
Che, P.; Liu, W.; Guo, L.; He, L.; Chen, C.
[Cited by Scopus \(14\)](#)
- 6. Effect of Sc substitution on the structure, electrical, and magnetic properties of multiferroic BiFeO₃ thin films grown by a sol-gel process**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 18, September 2008, Pages 2215-2220
Shannigrahi, S.R.; Huang, A.; Tripathy, D.; Adeyeye, A.O.
[Cited by Scopus \(26\)](#)
- 7. Design and synthesis of plasmonic magnetic nanoparticles**
Journal of Magnetism and Magnetic Materials, Volume 311, Issue 1, April 2007, Pages 78-83
Lim, J.; Tilton, R.D.; Eggeman, A.; Majetich, S.A.
[Cited by Scopus \(29\)](#)
- 8. Magnetization reversal asymmetry in Fe/MgO(001) thin films**
Journal of Magnetism and Magnetic Materials, Volume 210, Issue 1-mrt, February 2000, Pages 341-348
Costa-Kramer, J.L.; Menendez, J.L.; Cebollada, A.; Briones, F.; Garca, D.; Hernando, A.
- 9. Preparation and application of polymer-grafted magnetic nanoparticles for lipase immobilization**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages 2350-2355
Yong, Y.; Bai, Y.; Li, Y.F.; Lin, L.; Cui, Y.; Xia, C.
[Cited by Scopus \(73\)](#)
- 10. Measurement of the stress sensitivity of magnetostriction in electrical steels under distorted waveform conditions**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 20, October 2008, Pages e583-e588
Anderson, P.
[Cited by Scopus \(9\)](#)
- 11. Magnetic behavior of nanocrystalline LaMn²⁺Ge²⁺** • Short communication
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 21, November 2008, Pages L129-L131
Jammalamadaka, S.N.; Das, S.D.; Chalke, B.A.; Sampathkumaran, E.V.
[Cited by Scopus \(3\)](#)
- 12. Dipolar and magnetic ordering in Nd-modified BiFeO₃ nanoceramics**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 21, November 2008, Pages 2602-2607
Mishra, R.K.; Pradhan, D.K.; Choudhary, R.N.P.; Banerjee, A.
[Cited by Scopus \(55\)](#)
- 13. Spin transfer torques**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 7, April 2008, Pages 1190-1216
Ralph, D.C.; Stiles, M.D.
[Cited by Scopus \(499\)](#)
- 14. In vitro study of magnetic particle seeding for implant assisted-magnetic drug targeting**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 21, November 2008, Pages 2640-2646
Aviles, M.O.; Ebner, A.D.; Ritter, J.A.
[Cited by Scopus \(20\)](#)
- 15. Current-driven excitation of magnetic multilayers** • Short communication
Journal of Magnetism and Magnetic Materials, Volume 159, Issue 1-feb, June 1996, Pages I1-I7
Slonczewski, J.C.
- 16. Amine-terminated water-dispersible FePt nanoparticles** • Short communication
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages L121-L124
Tanaka, Y.; Maenosono, S.
[Cited by Scopus \(15\)](#)

17. **Multiferroics: Different ways to combine magnetism and ferroelectricity** • Review article
Journal of Magnetism and Magnetic Materials, Volume 306, Issue 1, November 2006, Pages 1-8
Khomskii, D.I.
[Cited by Scopus \(500\)](#)
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18. **Magnetic properties of some molecular compounds containing ferromagnetic copper trimers**
Journal of Magnetism and Magnetic Materials, Volume 172, Issue 1-feb, August 1997, Pages 128-138
Tomkowicz, Z.; Fleischhauer, P.; Haase, W.; Baran, M.; Szymczak, R.; Zaleski, A.J.; Jablonski, R.
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19. **Multifunctional polymer-derivatized @c-Fe²⁺O³ nanocrystals as a methodology for the biomagnetic separation of recombinant His-tagged proteins**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages 2339-2344
Shukoor, M.I.; Natalio, F.; Tahir, M.N.; Divekar, M.; Metz, N.; Therese, H.A.; Theato, P.; Ksenofontov, V.; Schroder, H.C.; Muller, W.E.G.; Tremel, W.
[Cited by Scopus \(14\)](#)
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20. **Equilibrium magnetic properties of dipolar interacting ferromagnetic nanoparticles**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages 2335-2338
Mao, Z.; Chen, D.; He, Z.
[Cited by Scopus \(14\)](#)
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21. **ESR study of thermal demagnetization processes in ferromagnetic nanoparticles with Curie temperatures between 40 and 60 K**
Journal of Magnetism and Magnetic Materials, Volume 311, Issue 1, April 2007, Pages 204-207
Kuznetsov, O.A.; Sorokina, O.N.; Leontiev, V.G.; Shlyakhtin, O.A.; Kovarski, A.L.; Kuznetsov, A.A.
[Cited by Scopus \(15\)](#)
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22. **Anomalous Hall effect in sputter-deposited Co_xTi_{1-x}O₂ films**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages 2376-2381
Jeong, B.S.; Pearton, S.J.; Heo, Y.W.; Norton, D.P.; Hebard, A.F.
[Cited by Scopus \(1\)](#)
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23. **Effect of the surface anisotropy and the shape on the magnetization behavior in an egg-shaped nanoparticle**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 21, November 2008, Pages 2567-2570
Du, A.; Xu, Y.
[Cited by Scopus \(4\)](#)
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24. **Structural, microstructural and magnetic properties of nanocomposite isotropic Sm (Co_{1-x}Fe_x)_{0.1}M_yZr_{0.9}O₄ ribbons with M=Ni, Cu and y=0.09 and 0.12**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages 2322-2329
Makridis, S.S.; Panagiotopoulos, I.; Tsiaoussis, I.; Frangis, N.; Pavlidou, E.; Chrisafis, K.; Papataniasiou, G.F.; Efthimiadis, K.; Hadjipanayis, G.C.; Niarchos, D.
[Cited by Scopus \(14\)](#)
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25. **Preparation and magnetoresistance of thin CrO₂ films**
Journal of Magnetism and Magnetic Materials, Volume 320, Issue 19, October 2008, Pages 2356-2358
Zhao, Q.; Yuan, J.J.; Wen, G.H.; Zou, G.T.
[Cited by Scopus \(8\)](#)