

# Roberto D Zysler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7509906/publications.pdf>

Version: 2024-02-01

120  
papers

4,481  
citations

76294  
40  
h-index

118793  
62  
g-index

123  
all docs

123  
docs citations

123  
times ranked

5067  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Role of Anisotropy, Frequency, and Interactions in Magnetic Hyperthermia Applications: Noninteracting Nanoparticles and Linear Chain Arrangements. <i>Physical Review Applied</i> , 2021, 15, .   | 1.5 | 22        |
| 2  | Reactive Oxygen Species in Emulated Martian Conditions and Their Effect on the Viability of the Unicellular Alga <i>&lt; i&gt;Scenedesmus dimorphus&lt;/i&gt;</i> . <i>Astrobiology</i> , 2021, 21, 692-705.  | 1.5 | 0         |
| 3  | Dependence of the composition, morphology and magnetic properties with the water and air exposure during the Fe <sub>1-y</sub> O/Fe <sub>3</sub> O <sub>4</sub> core-“shell” nanoparticles synthesis. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.                      | 0.8 | 6         |
| 4  | Improving degradation of real wastewaters with self-heating magnetic nanocatalysts. <i>Journal of Cleaner Production</i> , 2021, 308, 127385.   | 4.6 | 36        |
| 5  | Adjusting the NMR relaxation time of Fe <sub>3</sub> O <sub>4</sub> /Zn <sub>x</sub> core/shell nanoparticles for optimal heat generation in magnetic hyperthermia. <i>Nanotechnology</i> , 2021, 32, 065703.   | 1.3 | 13        |
| 6  | Next generation of nanozymes: A perspective of the challenges to match biological performance. <i>Journal of Applied Physics</i> , 2021, 130, .   | 1.1 | 5         |
| 7  | Low-Dimensional Assemblies of Magnetic MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles and Direct <i>In Vitro</i> Measurements of Enhanced Heating Driven by Dipolar Interactions: Implications for Magnetic Hyperthermia. <i>ACS Applied Nano Materials</i> , 2020, 3, 8719-8731. | 2.4 | 19        |
| 8  | Magnetic Hyperthermia Experiments with Magnetic Nanoparticles in Clarified Butter Oil and Paraffin: A Thermodynamic Analysis. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27709-27721.  | 1.5 | 7         |
| 9  | Modeling the Magnetic-Hyperthermia Response of Linear Chains of Nanoparticles with Low Anisotropy: A Key to Improving Specific Power Absorption. <i>Physical Review Applied</i> , 2020, 14, .   | 1.5 | 17        |
| 10 | Î²-cyclodextrin coating: improving biocompatibility of magnetic nanocomposites for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 22.  | 1.7 | 6         |
| 11 | Free-Radical Formation by the Peroxidase-Like Catalytic Activity of MFe <sub>2</sub> O <sub>4</sub> (M) Tj ETQq1.1.0.7843 <sub>27</sub> rgBT <sub>10</sub>  |     |           |
| 12 | Reply to “Comment on “Free-Radical Formation by the Peroxidase-Like Catalytic Activity of MFe <sub>2</sub> O <sub>4</sub> (M = Fe, Ni, and Mn) Nanoparticles””. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28511-28512.  | 1.5 | 2         |
| 13 | Controlling the dominant magnetic relaxation mechanisms for magnetic hyperthermia in bimagnetic core-“shell” nanoparticles. <i>Nanoscale</i> , 2019, 11, 3164-3172.   | 2.8 | 49        |
| 14 | Tunnel Magnetoresistance in Self-Assemblies of Exchange-Coupled Core/Shell Nanoparticles. <i>Physical Review Applied</i> , 2019, 11, .  | 1.5 | 13        |
| 15 | Interaction between natural magnetite sub-micrometric particles and the <i>Fasciola hepatica</i> egg: The role of the exposed surface area. <i>Experimental Parasitology</i> , 2019, 199, 59-66.  | 0.5 | 1         |
| 16 | Effects of biological buffer solutions on the peroxidase-like catalytic activity of Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Nanoscale</i> , 2019, 11, 18393-18406.   | 2.8 | 31        |
| 17 | Effects of Zn Substitution in the Magnetic and Morphological Properties of Fe-Oxide-Based Core-“Shell” Nanoparticles Produced in a Single Chemical Synthesis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1444-1453.  | 1.5 | 16        |
| 18 | Unravelling the Elusive Antiferromagnetic Order in Wurtzite and Zinc Blende CoO Polymorph Nanoparticles. <i>Small</i> , 2018, 14, e1703963.   | 5.2 | 12        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Bifunctional CoFe <sub>2</sub> O <sub>4</sub> /ZnO Core/Shell Nanoparticles for Magnetic Fluid Hyperthermia with Controlled Optical Response. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3047-3057.   | 1.5 | 38        |
| 20 | Zinc removal by Chlorella sp. biomass and harvesting with low cost magnetic particles. <i>Algal Research</i> , 2018, 33, 266-276.  | 2.4 | 11        |
| 21 | Magnetic nanoparticles for drug targeting: from design to insights into systemic toxicity. Preclinical evaluation of hematological, vascular and neurobehavioral toxicology. <i>Biomaterials Science</i> , 2017, 5, 772-783.                             | 2.6 | 20        |
| 22 | A physiologically based pharmacokinetic model to predict the superparamagnetic iron oxide nanoparticles (SPIONs) accumulation in vivo. <i>European Journal of Nanomedicine</i> , 2017, 9, .  | 0.6 | 6         |
| 23 | Tuning the coercivity and exchange bias by controlling the interface coupling in bimagnetic core/shell nanoparticles. <i>Nanoscale</i> , 2017, 9, 10240-10247.   | 2.8 | 44        |
| 24 | Enhanced defect-mediated ferromagnetism in Cu <sub>2</sub> O by Co doping. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 441, 374-386.  | 1.0 | 16        |
| 25 | In Silico before In Vivo: how to Predict the Heating Efficiency of Magnetic Nanoparticles within the Intracellular Space. <i>Scientific Reports</i> , 2016, 6, 38733.  | 1.6 | 57        |
| 26 | Exchange bias and surface effects in bimagnetic $\text{Co}_x\text{O}$ . <i>Physical Review B</i> , 2016, 94, .   |     |           |
| 27 | Highly crystalline LiCu <sub>x</sub> Fe <sub>1-x</sub> O <sub>4</sub> nanoparticles synthesized by high temperature thermal decomposition: a morphological and electrical transport study. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 335302. | 1.3 | 2         |
| 28 | Simple and novel strategies to achieve shape and size control of magnetite nanoparticles intended for biomedical applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 320-330.                             | 2.3 | 42        |
| 29 | Influence of chitosan coating on magnetic nanoparticles in endothelial cells and acute tissue biodistribution. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1069-1085.  | 1.9 | 18        |
| 30 | Superparamagnetic iron-oxide nanoparticles mPEG350- and mPEG2000-coated: cell uptake and biocompatibility evaluation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 909-919.  | 1.7 | 50        |
| 31 | Origin of the large dispersion of magnetic properties in nanostructured oxides: Fe <sub>x</sub> O/Fe <sub>3</sub> O <sub>4</sub> nanoparticles as a case study. <i>Nanoscale</i> , 2015, 7, 3002-3015.   | 2.8 | 76        |
| 32 | Exchange-coupling in thermal annealed bimagnetic core/shell nanoparticles. <i>Journal of Alloys and Compounds</i> , 2015, 633, 333-337.  | 2.8 | 20        |
| 33 | Magnetic Interactions and Energy Barrier Enhancement in Core/Shell Bimagnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15755-15762.  | 1.5 | 40        |
| 34 | Exchange bias in ferrite hollow nanoparticles originated by complex internal magnetic structure. <i>Materials Research Express</i> , 2015, 2, 105001.  | 0.8 | 8         |
| 35 | Size and surface effects in the magnetic order of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 377, 44-51.   | 1.0 | 29        |
| 36 | Relaxation time diagram for identifying heat generation mechanisms in magnetic fluid hyperthermia. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.  | 0.8 | 36        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | < i>In vitro</i> and < i>in vivo</i> experiments with iron oxide nanoparticles functionalized with DEXTRAN or polyethylene glycol for medical applications: Magnetic targeting. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 860-868. | 1.6 | 77        |
| 38 | Size effects in bimagnetic CoO/CoFe <sub>2</sub> O <sub>4</sub> core/shell nanoparticles. Nanotechnology, 2014, 25, 355704.   | 1.3 | 56        |
| 39 | Preparation of iron oxide nanoparticles stabilized with biomolecules: Experimental and mechanistic issues. Acta Biomaterialia, 2013, 9, 4754-4762.  | 4.1 | 61        |
| 40 | Resolving Material-Specific Structures within Fe <sub>3</sub> O <sub>4</sub>   Mn <sub>2</sub> O <sub>3</sub> Core   Shell Nanoparticles Using Anomalous Small-Angle X-ray Scattering. ACS Nano, 2013, 7, 921-931.  | 7.3 | 36        |
| 41 | Heat generation in agglomerated ferrite nanoparticles in an alternating magnetic field. Journal Physics D: Applied Physics, 2013, 46, 045002.   | 1.3 | 68        |
| 42 | Effect of thermal fluctuations in FMR experiments in uniaxial magnetic nanoparticles: Blocked vs. superparamagnetic regimes. Journal of Magnetism and Magnetic Materials, 2013, 326, 138-146.   | 1.0 | 26        |
| 43 | A New Quantitative Method to Determine the Uptake of SPIONs in Animal Tissue and Its Application to Determine the Quantity of Nanoparticles in the Liver and Lung of Balb- <i>c</i> Mice Exposed to the SPIONs. Journal of Biomedical Nanotechnology, 2013, 9, 142-145.     | 0.5 | 19        |
| 44 | Magnetic hardness features and loop shift in nanostructured CuO. Journal of Applied Physics, 2012, 112, .   | 1.1 | 16        |
| 45 | Origin of magnetic anisotropy in ZnO/CoFe <sub>2</sub> O <sub>4</sub> and CoO/CoFe <sub>2</sub> O <sub>4</sub> core/shell nanoparticle systems. Applied Physics Letters, 2012, 101, 252405.   | 1.5 | 43        |
| 46 | Nanoscale magnetic structure and properties of solution-derived self-assembled La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> islands. Journal of Applied Physics, 2012, 111, 024307.   | 1.1 | 28        |
| 47 | Anomalous Magnetization Enhancement and Frustration in the Internal Magnetic Order on (Fe <sub>0.69</sub> Co <sub>0.31</sub> )B <sub>0.4</sub> Nanoparticles. Applied Sciences (Switzerland), 2012, 2, 315-326.   | 1.3 | 6         |
| 48 | Bimagnetic CoO Core/CoFe <sub>2</sub> O <sub>4</sub> Shell Nanoparticles: Synthesis and Magnetic Properties. Chemistry of Materials, 2012, 24, 512-516.   | 3.2 | 77        |
| 49 | Novel and facile synthesis of magnetic composites by a modified co-precipitation method. Materials Chemistry and Physics, 2011, 130, 624-634.   | 2.0 | 35        |
| 50 | Magnetic Characterization of Co Doped Cu <sub>2</sub> O Layers. IEEE Transactions on Magnetics, 2011, 47, 2640-2642.  | 1.2 | 7         |
| 51 | Dynamic study of the internal magnetic order of Mn <sub>3</sub> O <sub>4</sub> nanoparticles. Journal of Nanoparticle Research, 2011, 13, 5653-5659.  | 0.8 | 8         |
| 52 | Surface effects in the magnetic properties of crystalline 3 nm ferrite nanoparticles chemically synthesized. Journal of Applied Physics, 2010, 108, 103919.   | 1.1 | 41        |
| 53 | Evolution of the magnetic anisotropy with particle size in antiferromagnetic Cr <sub>2</sub> O <sub>3</sub> nanoparticles. Journal of Applied Physics, 2010, 108, .   | 1.1 | 32        |
| 54 | Tejada et al. Reply. Physical Review Letters, 2010, 105, .  | 2.9 | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Influence of substrate on the magnetic properties of Ni and permalloy sub-micrometric patterned stripes. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 025001.  | 1.3 | 1         |
| 56 | Evidence for Quantization of Mechanical Rotation of Magnetic Nanoparticles. <i>Physical Review Letters</i> , 2010, 104, 027202.   | 2.9 | 31        |
| 57 | Functional nanocomposites based on the infusion or in situ generation of nanoparticles into amphiphilic epoxy gels. <i>Journal of Materials Chemistry</i> , 2010, 20, 10135.  | 6.7 | 14        |
| 58 | Superparamagnetism in AFM Cr <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , 2010, 495, 520-523.  | 2.8 | 25        |
| 59 | Ag <sub>3</sub> Fe <sub>3</sub> O <sub>4</sub> Dimer Colloidal Nanoparticles: Synthesis and Enhancement of Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10148-10152.  | 1.5 | 77        |
| 60 | Size-Dependent Passivation Shell and Magnetic Properties in Antiferromagnetic/Ferrimagnetic Core/Shell MnO Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 9398-9407.   | 6.6 | 106       |
| 61 | Magnetic order in amorphous (Fe <sub>0.25</sub> Nd <sub>0.75</sub> ) <sub>0.6</sub> B <sub>0.4</sub> nanoparticles. <i>Journal of Applied Physics</i> , 2009, 105, 113918.  | 1.1 | 1         |
| 62 | Single-step chemical synthesis of ferrite hollow nanospheres. <i>Nanotechnology</i> , 2009, 20, 045606.   | 1.3 | 14        |
| 63 | Exchange bias of Co nanoparticles embedded in Cr <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> matrices. <i>Journal of Applied Physics</i> , 2009, 106, .  | 1.1 | 24        |
| 64 | Effect of oxygen non-stoichiometry on the structural and magnetotransport properties of LaMn <sub>0.85</sub> Cr <sub>0.15</sub> O <sub>3+1</sub> . <i>Journal of Solid State Chemistry</i> , 2008, 181, 1824-1832.  | 1.4 | 10        |
| 65 | Monte Carlo simulation of Fe-Co amorphous nanoparticles magnetization. <i>Physica B: Condensed Matter</i> , 2008, 403, 390-393.   | 1.3 | 10        |
| 66 | A new model to describe the crossover from superparamagnetic to blocked magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e312-e315.  | 1.0 | 20        |
| 67 | Effective anisotropy field variation of magnetite nanoparticles with size reduction. <i>European Physical Journal B</i> , 2008, 64, 211-218.  | 0.6 | 37        |
| 68 | Comment on "Generalized Stoner-Wohlfarth Model and the Non-Langevin Magnetism of Single-Domain Particles" by M.A. Chuev. <i>JETP Letters</i> , 2008, 87, 703-706.   | 0.4 | 0         |
| 69 | Surface spin-glass freezing in interacting core-shell NiO nanoparticles. <i>Nanotechnology</i> , 2008, 19, 185702.  | 1.3 | 154       |
| 70 | Size dependence of the magnetic properties of antiferromagnetic $\chi_{mml}$<br>xml�ns:mml="http://www.w3.org/1998/Math/MathML"<br>display="inline"> $\chi_{mml}$ :mrow> $\chi_{mml}$ :msub> $\chi_{mml}$ :mrow> $\chi_{mml}$ :mtext>Cr $\chi_{mml}$ :mtext> $\chi_{mml}$ :mrow> $\chi_{mml}$ :mn>2 $\chi_{mml}$ :mn>70 $\chi_{mml}$ :msub> | 1.1 | 70        |
| 71 | Experimental evidence of magnetic anisotropy induction by superconductivity in superlattices. <i>Applied Physics Letters</i> , 2008, 92, 152508.  | 1.5 | 3         |
| 72 | Interparticle Interactions Effects on the Magnetic Order in Surface of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5913-5920.   | 0.9 | 16        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Annealing Effects on 5 nm Iron Oxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3313-3317.  | 0.9 | 9         |
| 74 | Comment on "Hausmannite Mn <sub>3</sub> O <sub>4</sub> nano rods: synthesis, characterization and magnetic properties". <i>Nanotechnology</i> , 2007, 18, 158001.                 | 1.3 | 9         |
| 75 | Thermal stabilization of magnetic nanoparticles embedded in a ferromagnetic matrix. <i>Nanotechnology</i> , 2007, 18, 115714.   | 1.3 | 13        |
| 76 | Size dependence on the ordering process in colloidal FePt nanoparticles. <i>Journal of Applied Physics</i> , 2007, 101, 023903.   | 1.1 | 15        |
| 77 | Magnetic and structural properties of pure hematite submitted to mechanical milling in air and ethanol. <i>Physica B: Condensed Matter</i> , 2007, 389, 145-149.                  | 1.3 | 44        |
| 78 | Metropolis algorithm for simulating hysteresis in ferromagnetic nanoparticles. <i>Physica B: Condensed Matter</i> , 2006, 372, 345-349.   | 1.3 | 18        |
| 79 | Surface effect in the magnetic order of antiferromagnetic nanoparticles. <i>Physica B: Condensed Matter</i> , 2006, 384, 277-281.   | 1.3 | 40        |
| 80 | Surface and frustration evidence in Co-Ni-B nanoparticles by FMR measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 294, e87-e90.                           | 1.0 | 10        |
| 81 | Surface anisotropy and surface-core interaction in Co-Ni-B and Fe-Ni-B dispersed amorphous nanoparticles. <i>Physical Review B</i> , 2005, 71, .                                  | 1.1 | 44        |
| 82 | Tailoring the size in colloidal iron oxide magnetic nanoparticles. <i>Nanotechnology</i> , 2005, 16, 1474-1476.   | 1.3 | 59        |
| 83 | Surface and Interparticle Effects in Amorphous Magnetic Nanoparticles. <i>Nanostructure Science and Technology</i> , 2005, , 239-261.   | 0.1 | 11        |
| 84 | Surface anisotropy effects in NiO nanoparticles. <i>Physical Review B</i> , 2005, 72, .   | 1.1 | 179       |
| 85 | Surface effects in $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>European Physical Journal B</i> , 2004, 41, 171-175.  | 0.6 | 57        |
| 86 | Ferromagnetic resonance in amorphous nanoparticles. <i>Physica B: Condensed Matter</i> , 2004, 354, 286-289.  | 1.3 | 14        |
| 87 | Changes in the structural and magnetic properties of Ni-substituted hematite prepared from metal oxinates. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 625-632.          | 0.3 | 21        |
| 88 | Ni- and Zn-doped hematite obtained by combustion of mixed metal oxinates. <i>Physica B: Condensed Matter</i> , 2004, 354, 27-34.  | 1.3 | 27        |
| 89 | Surface and magnetic interaction effects in Mn <sub>3</sub> O <sub>4</sub> nano particles. <i>Physical Review B</i> , 2004, 70, .   | 1.1 | 77        |
| 90 | Size and anisotropy determination by ferromagnetic resonance in dispersed magnetic nanoparticle systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 262, 235-241. | 1.0 | 95        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 91  | Evidence of large surface effects in Co-Ni-B amorphous nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 266, 233-242.   | 1.0  | 70        |
| 92  | Size dependence of the spin-flop transition in hematite nanoparticles. <i>Physical Review B</i> , 2003, 68, .  | 1.1  | 156       |
| 93  | Magnetic relaxation measurements of $\pm\hat{a}$ Fe <sub>2</sub> O <sub>3</sub> antiferromagnetic particles below 1 K. <i>Physical Review B</i> , 2002, 65, .  | 1.1  | 16        |
| 94  | Large surface magnetic contribution in amorphous ferromagnetic nanoparticles. <i>Physical Review B</i> , 2002, 65, .   | 1.1  | 133       |
| 95  | Effect of Sn doping on the magnetic and transport properties of LaMnO <sub>3</sub> + $\hat{i}$ . <i>Physica B: Condensed Matter</i> , 2002, 320, 100-103.  | 1.3  | 11        |
| 96  | Annealing effects on the magnetization of Co-Ni-B amorphous nanoparticles. <i>Physica B: Condensed Matter</i> , 2002, 320, 178-180.  | 1.3  | 10        |
| 97  | Magnetization enhancement at low temperature due to surface ordering in Fe-Ni-B amorphous nanoparticles. <i>Physica B: Condensed Matter</i> , 2002, 320, 203-205.  | 1.3  | 23        |
| 98  | Annealing effects on magnetic properties of acicular hematite nanoparticles. <i>Physica B: Condensed Matter</i> , 2002, 320, 206-209.  | 1.3  | 41        |
| 99  | Chemical synthesis and characterization of amorphous Fe-Ni-B magnetic nanoparticles. <i>Journal of Materials Science</i> , 2001, 36, 2291-2294.  | 1.7  | 22        |
| 100 | Investigation of magnetic properties of interacting Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 224, 5-11.                                  | 1.0  | 138       |
| 101 | Structure and magnetic properties of thermally treated nanohematite. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 224, 39-48.  | 1.0  | 49        |
| 102 | Effect of interparticle interactions in (Fe0.26Ni0.74)50B50magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 221, 37-44.  | 1.0  | 63        |
| 103 | Effect of ion doping on CuO magnetism. <i>Journal of Applied Physics</i> , 2000, 87, 4870-4872.  | 1.1  | 47        |
| 104 | Magnetic interaction evidence in $\pm$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles by magnetization and Mössbauer measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 204, 29-35. | 1.0  | 64        |
| 105 | Magnetic interactions in hematite small particles obtained by ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 205, 234-240.   | 1.0  | 56        |
| 106 | Magnetization and electron paramagnetic resonance of Co clusters embedded in Ag nanoparticles. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 5643-5654.   | 0.7  | 24        |
| 107 | Effects of thermal treatments on structural and magnetic properties of acicular $\pm$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Scripta Materialia</i> , 1999, 11, 797-803.                      | 0.5  | 48        |
| 108 | High-temperature weak ferromagnetism in a low-density free-electron gas. <i>Nature</i> , 1999, 397, 412-414.   | 13.7 | 417       |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | EPR and Magnetic Properties of the $\text{Ca}_{n}\text{Fe}_{2}\text{Mn}_{n-2}\text{O}_{3n-1}$ Perovskite Related Series. European Physical Journal Special Topics, 1997, 07, C1-355-C1-356.  | 0.2 | 0         |
| 110 | Magnetic properties of ultrafine $\text{Fe}_2\text{O}_3$ antiferromagnetic particles. Journal of Magnetism and Magnetic Materials, 1994, 133, 71-73.   | 1.0 | 67        |
| 111 | dc magnetization measurements in $\text{Eu}_2\text{CuO}_4:\text{Cd}^{3+}$ . Journal of Applied Physics, 1993, 73, 5680-5682.   | 1.1 | 9         |
| 112 | Field-induced spin reorientation in $\text{Eu}_2\text{CuO}_4:\text{Gd}$ studied by magnetic resonance. Physical Review B, 1993, 48, 16775-16784.   | 1.1 | 9         |
| 113 | Internal magnetic field in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4:\text{Gd}$ observed by electron paramagnetic resonance. Physical Review B, 1993, 47, 8156-8166.   | 1.1 | 28        |
| 114 | Magnetic properties of the $\text{Ca}_n\text{Fe}_2\text{Ti}_{n-2}\text{O}_{3n-1}$ perovskite related series: An EPR study. Journal of Solid State Chemistry, 1992, 98, 25-32.  | 1.4 | 11        |
| 115 | Crystal-field effects in the electron-spin resonance of $\text{Gd}^{3+}$ and $\text{Er}^{3+}$ in $\text{Pr}_2\text{CuO}_4$ . Physical Review B, 1991, 44, 826-829.   | 1.1 | 13        |
| 116 | Different $\text{Gd}^{3+}$ sites associated with magnetic ordering and structural distortions in $\text{Eu}_2\text{CuO}_4:\text{Gd}^{3+}$ observed via electron-paramagnetic-resonance measurements. Physical Review B, 1991, 44, 9467-9479. | 1.1 | 26        |
| 117 | $\text{Mössbauer}$ -effect, magnetic, and neutron-diffraction study of $\text{NaFeP}_2\text{O}_7$ . Physical Review B, 1990, 42, 25-32.  | 1.1 | 19        |
| 118 | Depression of the weak-ferromagnetism of $\text{CuO}_2$ planes in $\text{Gd}_2\text{CuO}_4$ through Ce and Th doping. Physica C: Superconductivity and Its Applications, 1989, 160, 341-346.   | 0.6 | 44        |
| 119 | Oxygen environment of Fe ions in $\text{YBa}_2\text{Cu}_3\text{O}_{7+\delta}$ : A $\text{Mössbauer}$ study. Solid State Communications, 1988, 66, 381-385.   | 0.9 | 15        |
| 120 | Crystal-field interaction in the $\text{Gd}_x\text{Eu}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductors. Physical Review B, 1988, 38, 257-261.  | 1.1 | 43        |