

## ARTICULOS EN REVISTAS ESPECIALIZADAS (A)

1. Eicher, F. Parak, D. Bade y J. Tejada  
"Electronic structure determination of Fe<sup>2+</sup> in Mb"  
J. Phys. 16, C6-363-366 (1974)
2. J. Tejada  
"Variación con la temperatura del DEQ en protoporina-hestidina"  
An. Fis. 72, 243-247 (1976)
3. J. Tejada  
"Estudios Mössbauer del <sup>57</sup>Fe en espinelas de colbalto"  
An. Fis. 73, 39-44 (1977)
4. A. Alfsen, D. Bade, H. Eicher, G.M. Kalvins, F. Parak, J. Tejada  
"Investigation of two Mb compounds from Mössbauer spectroscopy"  
Biophys. Struct. Mechsnism 3, 229-239 (1977)
5. J. Tejada, J. Fontcuberta y R. Rodriguez  
"Mechanism of habit change in ADP crystals doped to Fe<sup>3+</sup>"  
J. Cryst. Growth, 44, 593-598 (1978)
6. J. Tejada, M. Oliva y R. Rodriguez  
"Aftereffects of orbital electron capture in Co spinels"  
Solid State Comm. 30, 645-650 (1979)
7. J. Tejada, J. Fontcuberta y R. Rodriguez  
"Mössbauer studies of the Fe<sup>3+</sup> effect on HDP crystals"  
North Holland, 1979
8. J. Tejada, R. Rodriguez y M. Aguiló  
"Unstable growth of ADP crystals"  
J. Cryst. Growth, 47, 518-526 (1979)
9. F.J. Litterst, J. Tejada y M. Kalvins  
"Properties of non crystalline EnIG and DyIG"  
J. Appl. Phys. 50, 7636-7640 (1979)
10. J. Tejada, X. Obradors, J. Fontcuberta, J. Rodriguez, R. Rodriguez, M. Oliva.  
"Anomalous charge states in complex oxides".  
J. de Physique 41, C1-461 (1980)
11. J. Fontcuberta, M. Pi, J. Rodriguez y J. Tejada  
"Propiedades magnéticas de la serie isomorfa Cd<sub>1-x</sub>NcxFe<sub>2</sub>O<sub>4</sub>"  
Ed. Eunibar, 1980.
12. J. Tejada, P.M. Echenique y R.H. Ritchie  
"Wake shifts in electron states of swift ions"  
Nucl. Inst. Methods, 170, 249-351 (1980)
13. F.J. Litterst, J. Tejada y G.M. Kalvins  
"Properties of non crystalline EnIG and DyIG"  
J. Phys. C1-281 (1980).
14. J. Fontcuberta, J. Rodriguez, M. Pi, P. Rodriguez y J. Tejada

- "Magnetic and structural characterization of CdFe<sub>2</sub>O<sub>4</sub>-NiFe<sub>2</sub>O<sub>4</sub>"  
Mat. Res. Bull. 15, 969-980 (1980).
15. J. Tejada y F. Parak  
"Mössbauer emission spectroscopy on 57Co<sub>1-x</sub>O"  
Hyp. Int. 10, 1227-1230 (1981).
  16. J. Tejada  
"Anomalous charge states of iron after electronic capture"  
Ed. S.M. More, ICEES, (1981).
  17. J. Aragonés, J. Tejada, X. Obradors, J. Fontcuberta  
"Atoms calents en oxids no estequiomètrics"  
Ed. Universidad de Barcelona, (1981).
  18. X. Obradors, R. Farré, J. Rodriguez, A. Labarta, J. Vinaixa, J. Tejada  
"Mössbauer spectroscopy of non-stoichiometric perovskites".  
An. de Física A77, 162 (1981).
  19. J. Tejada  
"Introducción a la espectroscopía Mössbauer"  
Rev. Colomb. Fis. 15, 1-19 (1981).
  20. J. Fontcuberta, D. Rodriguez, M. Pi, J. Esteve y J. Tejada  
"Magnetic and structural properties of Cd<sub>1-x</sub>Ni<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub>"  
An. Fis. A78, 72-76 (1982).
  21. G. Muller, J. Sales, J. Vinaixa y J. Tejada  
"Mössbauer spectra of square-planer organometallic compounds"  
Inorg. Chem. Acta, 60, 227-230 (1982).
  22. J. Aragonés, A. Fert, N. Ferrer, J. Tejada y A. Font-Altaba  
"Mössbauer and high magnetic field studies of CoFeAl<sub>2-x</sub>O<sub>4</sub>"  
Phys. Chem. 8, 206-211 (1982).
  23. . Labarta, X. Viñas y J. Tejada  
"Magnetic susceptibility calculations from crystal field theory"  
J. Chem. Phys. 78, 5816-5819 (1983).
  24. Fontcuberta, A. Isalgué, X. Obradors, J. Tejada, J.C. Joubert  
"Mössbauer emission studies of LiNbO<sub>3</sub>:57Co"  
Rad. Effects 73, 173 (1983).
  25. Olivella, T. Harami y J. Tejada  
"Mössbauer emission studies of pure and doped MgO: 57Co"  
Rad. Effects 73, 179-183 (1983).
  26. E. Molins, A. Caubet, A. Labarta, J. Tejada y S. Alvarez  
"Mössbauer studies on one dimensional iron photoaloganines"  
Trans. Met. Chem. 8, 377-381 (1983).
  27. R. Olivella, E. Molins y J. Tejada  
"Mössbauer second order dopples shift in MgO: 57Co"  
Phys. Status Solidi B 119, K165-168 (1983).

28. X. Obradors, A. Collomb, J. Pannetier, A. Isalgué, J. Tejada, J.C. Joubert.  
"Crystal structure and cationic distribution of BaFe<sub>4</sub>Ti<sub>2</sub>O<sub>11</sub> R-type hexagonal ferrite".  
Mat. Res. Bull. 18, 1543 (1983).
29. T. Harami, J. Looock, E. Huenges, J. Fontcuberta, X. Obradors, J. Tejada, F. Parak.  
"The influence of the semiconductor properties on the Mössbauer emission spectra of <sup>57</sup>CoO cobalt oxide".  
J. Phy. Chem. Solids 45, 181 (1984).
30. J. Ribas, J.M. Juliá, A. Isalgué, J. Tejada y M. Font-Altaba  
"Synthesis, crystal and molecular structure and spectroscopy."  
Trans. Met. Chem. 9, 57-62 (1984).
31. X. Obradors, J. Tejada, A. Isalgué, J.C. Joubert.  
"Mössbauer study of bipyramidal site occupancy in BaFe<sub>12-x</sub>MnxO<sub>19</sub>".  
Sol. State Comm. 50, 821 (1984).
32. X. Obradors, A. Isalgué, A. Collomb, M. Pernet, J. Pannetier, J. Rodriguez, J. Tejada, J.C. Joubert.  
"Cation distribution and high field magnetization studies on SrFe<sub>12-x</sub>Cr<sub>x</sub>O<sub>19</sub>".  
I.E.E.E. Transactions on Magnetics MAG-20, 1636 (1984).
33. M. Pernet, X. Obradors, J. Fontcuberta, J. Tejada, J.C. Joubert.  
"Magnetic structure and superparamagnetic properties of  $\gamma$ -FeOOH"  
I.E.E.E. Trans. on Magn. MAG-20, 1524 (1984).
34. E. Molins, A. Caubet, C. Miravittles, J. Tejada y V. Moreno  
"Structural studies of CoPO<sub>8</sub>C<sub>10</sub>N<sub>4</sub>H<sub>11</sub>(H<sub>2</sub>O)<sub>4</sub>·3H<sub>2</sub>O"  
Acta Cryst. A40, C72 (1984).
35. A. Labarta, E. Molins, X. Viñas, J. Tejada y J. Alvarez  
"Electronic structure determination of iron (H) phthaloganines"  
J. Chem. Phys. 80, 444-448 (1984).
36. A. Labarta, E. Molins, y J. Tejada  
"A New interpretation of the magnetic properties of Mn(II) Ph"  
Z. Phys. B 28, 229-304 (1985).
37. J.A. Cusidó, A. Isalgué y J. Tejada  
"On the amorphous to crystalline transformation of Fe<sub>80</sub>B<sub>20</sub>"  
Phys. Stat. Solid.B 87, 169-174 (1985).
38. V. Moreno, A. Terrón, M. Vicens, E. Molins, A. Labarta y J. Tejada  
"Synthesis spectroscopy and magnetic characterization of E(III)"  
Trans. Met. Chem. 10, 90-93 (1985).
39. J. Fontcuberta, X. Obradors, J. Rodriguez, J. Tejada.  
"Mössbauer emission spectroscopy of doped <sup>57</sup>Co<sub>1-x</sub>O-I. Acceptor impurities: <sup>57</sup>Co<sub>1-x</sub>O:Li.  
J. Phys. Chem. Solids 46, 301 (1985).
40. J. Fontcuberta, X. Obradors, J. Rodriguez, J. Tejada.  
"Mössbauer emission spectroscopy of doped <sup>57</sup>Co<sub>1-x</sub>O-II. Donor impurities: <sup>57</sup>Co<sub>1-x</sub>O:Fe, Ti, In.  
J. Phys. Chem. Solids 46, 305 (1985).

41. R. Rodriguez, A. Fernandez, A. Isalgué, J. Rodriguez, A. Labarta, J. Tejada, X. Obradors.  
"Spin-glass behaviour in an antiferromagnetic non frustrated lattice: Sr<sub>2</sub>FeNbO<sub>6</sub> perovskite"  
J. Phys. C: Solid State Phys. 18, L401 (1985).
42. E. Molins, A. Labarta, J. Tejada y V. Moreno  
"Electronic structure determination via Mössbauer measurements"  
Z. Phys. B 59, 419-422 (1985).
43. X. Obradors, A. Isalgué, A. Collomb, M. Pernet, J. Tejada, J.C. Joubert.  
"Magnetic properties of BaFe<sub>4</sub>Mn<sub>2</sub>O<sub>11</sub> R-type hexagonal ferrite".  
J. Physique 46, C6-339 (1985).
44. A. Isalgué, X. Obradors, J. Tejada  
"Dipolar magnetic anisotropy in some uniaxial hexagonal ferrites"  
J. Physique, 46, C6-345 (1985).
- B. Martínez, A. Labarta, X. Obradors, J.A. Cusidó, J. Tejada  
"Texture function in -Fe<sub>2</sub>O<sub>3</sub> magnetic tapes"  
J. Physique 46, C6-379 (1985).
46. X. Obradors, A. Isalgué, A. Collomb, M. Pernet, J. Tejada, J.C. Joubert.  
"Cationic distribution and magnetic properties of LaZnFe<sub>11</sub>O<sub>19</sub> hexagonal ferrite"  
Fourth Int. Conf. on Ferrites, Adv. in Ceramics, vol.15, p. 259. FFY Wang Ed., The American Ceramic Society (1985).
47. F. Berry, A. Labarta, M.E. Brett, J.G. Holden y J. Tejada  
"A study of vanadium antimonate by Mössbauer measurements"  
Inorg. Chim. Acta 105, 197-199 (1985).
48. A. Isalgué, A. Labarta, J. Tejada, X. Obradors.  
"Exchange interactions in BaFe<sub>12</sub>O<sub>19</sub>"  
Appl. Physics A39, 221-225 (1986).
49. J. Fontcuberta, X. Obradors, J. Rodriguez, J. Tejada.  
"Mössbauer emission spectroscopy of Li, Ti doped 57CoO"  
Works of the Int. Conf. on Applications of Mössbauer Effect. Overseas Publishers Ass., 1986
50. J. Roset, A. Fernandez, X. Obradors, J. Tejada.  
"Mössbauer emission spectroscopy of 57Co doped ZnO, Cu<sub>2</sub>O and TiCoO<sub>3</sub>".  
Phys. Status Solidi (b) 134, 297-302 (1986).
51. X. Obradors, A. Isalgué, A. Collomb, M. Pernet, J. Tejada, J.C. Joubert.  
"Cation distribution in SrFe<sub>12-x</sub>Cr<sub>x</sub>O<sub>19</sub> hexagonal ferrites".  
Works of the Int. Conf. on Applications of Mössbauer Effect. Overseas Publishers Ass., 1986
52. J.A. Pereda, A. Isalgué, J. Tejada, F.J. Litterst, X. Obradors.  
"Mössbauer study of the mixed ferrimagnetic-spin glass phase in SrFe<sub>12-x</sub>Cr<sub>x</sub>O<sub>19</sub> hexagonal ferrites"  
Hyp. Int. 28, 569-572 (1986).
53. J.P. Mignot, A. Isalgué, X. Obradors, J.C. Joubert, J. Tejada.  
"Hyperfine fields and exchange interactions in BaLiFe<sub>17</sub>O<sub>27</sub> W-type hexagonal ferrite"  
Hyp. Int. 28, 565-568 (1986).

54. J. Tejada, J. Fontcuberta, X. Obradors, J. Roset, A. Fernandez, E. Molins.  
"57Co doped oxides as 57Fe Mössbauer single line sources"  
Hyp. Int. 29, 1221-1224 (1986).
55. X. Obradors, A. Isalgué, A. Collomb, A. Labarta, M. Pernet, J.A. Pereda, F.J. Litterst, J. Tejada, J.C. Joubert.  
" Cation distribution and random spin canting in LaZnFe11O19".  
J. Phys. C: Solid State Phys. 19, 6605 (1986).
56. A. Caubet, A. Labarta, A. Fernández, E. Molins, V. Moreno y J. Tejada  
"Studies on the metal nucleolide interaction via Mössbauer emission"  
Hyp. Int. 28, 773-776 (1986).
57. J.A. Cusidó y J. Tejada  
"Electron microscopy and 57Fe Mössbauer CEMS of Fe80B20"  
J. Nat. Sci. Lett. 5, 75 (1986).
58. A. Labarta, J. Marro y J. Tejada  
"Model studies of the thermal and magnetic properties in disordered systems"  
J. Mag. Mag. Materials, 54, 54-56 (1986).
59. A. Labarta, J. Marro y J. Tejada  
"Effective field theory for the magnetic and thermal properties"  
J. Phys. C 19, 1567-1580 (1986).
60. J. Fontcuberta, J.A. Cusidó y J. Tejada  
"On the electric field effect in the Mössbauer emission studies"  
Phys. Stat. Sol. B 135, K27-31 (1986).
61. J. Marro, A. Labarta y J. Tejada  
"Critical behavior of Ising models with static site dilution"  
Phys. Rev. B 34, 347 (1986).
62. A. Labarta, J. Marro y J. Tejada  
"Three dimensional ferromagnetic models with quenched"  
Physica 142B, 31-40 (1986).
63. A. Labarta, A. Caubet, R. Rodriguez, E. Molins y J. Tejada  
"Magnetic susceptibility and Mössbauer emission studies"  
Z. Phys. Chemie 149, 201-211 (1986)
64. J. Rodriguez, J.A. Pereda, M. Vallet, J.G. Calbet y J. Tejada  
"Mössbauer study of vacancy ordering in the system SrTcFeO3"  
Mat. Res. Bull. 21, 255-263 (1986)
65. A. Caubet, A. Labarta, R. Rodriguez, A. Fernández y J. Tejada  
"Studies on the metal nucleolide Co-5'IMP , Co-5'GMP"  
Hyp. Int. 28, 773-776 (1986).
66. X. Obradors, A. Labarta, J. Tejada, F. García-Alvarado, E. Morán, M. Vallet, J.M. González-Calvet, M.A. Alario.  
" Magnetic properties of Ba2SmCu3O9-x high Tc superconductor". Solid State Comm. 64, 767 (1987).

67. X. Obradors, J. Tejada, A. Isalgué, A. Collomb, M. Pernet y J.C. Joubert  
"Cationic distribution and magnetic properties of LaZnFe<sub>11</sub>O<sub>19</sub> hexagonal ferrite"  
Advances in Ceramics, vol. 15 Ed. F.Y. Wang, (1987).
68. X. Obradors, A. Isalgué, J. Rodriguez, J. Tejada.  
" Mössbauer study of the dynamical properties of Fe<sup>3+</sup> ions in a bypyramidal site".  
Cryst. Latt. Def. and amorph. Mat., 16, 31 (1987).
69. J.A. Pereda, J. Rodriguez y J. Tejada  
"57Fe and 151En Mössbauer study of En<sub>0.075</sub> Ca<sub>0.125</sub>FeO<sub>3-y</sub>"  
Crys. Lat. Defects and Amorp. Met. (1987).
70. A. F. Sanchez-Reyes, M.I. Febrián, J. Baró y J. Tejada  
"Absolute efficiency calibration function for the energy"  
Nucl. Inst. Met. B28, 127-131 (1987).
71. A. Labarta, M. Sarson, X. Obradors, F. Berry y J. Tejada  
"Spin glass behaviour of FeSbO<sub>4</sub> studied by Mössbauer"  
IEEE Trans. Mag. MAG 23, 2311 (1987).
72. B. Martinez, A. Labarta, X. Obradors y J. Tejada  
"Particle orientation distribution in -Fe<sub>2</sub>O<sub>3</sub> magnetic"  
Crys. Lat. Defects and Amorp. Met. (1987).  
IEEE Trans. Mag. MAG 23, 2812 (1987).
73. F. Berry, A. Labarta, X. Obradors. R. Rodriguez, M. Sarson and J. Tejada.  
" Spin-glass transition in Iron Antimonate: the inducement by Cationic ordering of localized magnetic order in a mixed metal oxide with a superlattice".  
J. Solid State Chem. 71, 582 (1987).
74. B. Martinez, M.A. Moreu, A. Ruiz, A. Labarta, F. Briones y J. Tejada  
"Mössbauer and magnetization studies of amorphous NdFeB"  
IEEE Trans. Mag. MAG. 23, 1694 (1987).
75. B. Martinez, A. Ruiz, A. Labarta, X. Obradors, J. Tejada  
"Mössbauer studies of amorphous FeSi thim films"  
IEEE Trans. Mag. MAG. 23, 3581 (1987).
76. X. Obradors, A. Labarta, J. Tejada, M. Vallet y J.M. Gonzalez-Calbet  
"Meissner effect and critical fields in an inhomogeneous Ba<sub>2</sub>HoCu<sub>3</sub>O<sub>7-x</sub> high T<sub>c</sub> superconductor"  
Phys. Rev. 38, 2455 (1988).
77. X. Obradors, A. Labarta, A. Isalgué, J. Tejada, R. Rodriguez y M. Pernet  
"Magnetic frustration and lattice dimensionality in SrCr<sub>8</sub>Ga<sub>4</sub>O<sub>19</sub>"  
Solid. St. Comm. 65, 189-192 (1988).
78. F. Berry, A. Labarta, X. Obradors, R. Rodriguez, M.I. Sarson y J. Tejada  
"An investigation of the spin-glass behaviour in iron-antimonate by iron-57 and antimony 121 Mössbauer spectroscopy"  
Hyp. Int. 41, 463-466 (1988).
79. X. Obradors, A. Labarta, J. Tejada, M. Pernet, J.L. Tholence, M. Saint-Paul.

- "Quenching of ferrimagnetic like ordering in SrCr<sub>8</sub>Fe<sub>4</sub>O<sub>19</sub> hexagonal ferrite".  
J. of Appl. Phys. 63, 4091-4093 (1988).
80. A. Labarta, J. Marro, B. Martinez y J. Tejada  
"Phase transition in the Ising ferromagnetic model with fixed spins"  
Phys. Rev. B38, 500-507 (1988)
81. B. Martinez, M.A. Moreu, A. Labarta, X. Obradors, J. Tejada.  
"Magnetic properties of amorphous Fe-Si compositionally modulated thin films".  
J. of Appl. Phys. 63, 3206-3208 (1988)
82. A. Labarta, X. Obradors, J. Tejada, F. Berry y M.I. Sarson  
"Spin-glass behaviour in mixed metal oxides with a rutile-type structure"  
J. Appl. Phys. 63, 4337-4339 (1988)
83. J.M. Alameda, J.F. Fuertes, D. Givord, A. Lenard, B. Martinez, M.A. Moreu y J. Tejada  
"Short range order in annealed Fe<sub>x</sub>Si<sub>1-x</sub> amorphous films"  
J. Physique, C8 (1988)
84. M.T. Perez-Frias, B. Martinez, M.A. Moreu, J. Tejada y J.L. Vicent  
"Magnetic properties of Ni/Si multilayers"  
J. Physique, C8 1787 (1988)
85. B. Martinez, M.A. Moreu y J. Tejada  
"Magnetic studies of FeNdB compositionally modulated thin films"  
J. Physique, C8, 1807 (1988)
86. R. Rodriguez, X. Obradors, A. Labarta, J. Tejada, M. Pemet, M. Saint-Paul y J.L. Tholence  
"Magnetic phase diagram in the ferrimagnetic spin-glass system SrCr<sub>8</sub>Fe<sub>4-x</sub>GaxO<sub>19</sub>"  
J. Physique C8, 1119 (1988).
87. R. Grössinger, H. Sassif, R. Wezulek, A. Hernando, G. Rivero, M. Vazquez, B. Martinez, A. Labarta, J. Tejada  
"Low temperature magnetization measurements and magnetostriction of (Fe<sub>80-x</sub>R<sub>x</sub>) B<sub>20</sub> R=Y, Ce, Nd, Sm, Gd, Dy, Ho, Er, Tm, Ln) (0<x<10)"  
J. Mag. Mag. Mat. 86, 219-224 (1989).
88. B. Martinez, A. Labarta and J. Tejada  
"CEMS studies in iron-silicon thin films"  
Hyp. Int. 52, 321-327 (1989).
89. M. Liniers, J. Flores, F.J. Bermejo, J.M. Gonzalez, J.C. Vicent and J. Tejada  
"Systematic study of the temperature dependence of the saturation magnetization in Fe, Fe-Ni and Co-based amorphous alloys"  
IEEE Trans. on Magn. 25, 3363 (1989).
90. G. Peral, B. Martinez, J.L. Vicent and J. Tejada  
"Skew scattering and side jump mechanisms in the Hall effect of amorphous NdFeB/FeB compositionally modulated multilayers"  
IEEE- Transactions on magnetics 26, 2753-2755 (1990).
91. E. Agostinelli, D. Fiorani, R. Folch, J. Tejada and A. M. Testa  
Dissipative effects in BiSrCaCuO single crystal  
Journal of the Less Common Metals 164, 553-558 (1990).

92. M.T. Causa, M. Tovar, X. Obradors, A. Labarta and J. Tejada  
"Electron spin resonance in the spin-glass-like"  
J.M.M.M. 104-107 1649-1651 (1992).
93. F. Badia, C. Ferraté, A. Lousa, B. Martinez, A. Labarta, J. Tejada  
"Magnetic studies of Fe-Y compositionally modulated thin films"  
J. Appl. Phys. 67, 5652-5655 (1990).
94. J. Tejada, B. Martinez, A. Labarta, R. Grössinger, A. Hernando  
"Magnetic behaviour of ferromagnets with random anisotropy"  
J. Appl. Phys. 67, 5984-5986 (1990).
95. J.R. Alabart, V. Moreno, A. Labarta, J. Tejada, E. Molins  
"Electronic structure determination and dynamical properties of Iron (II)-Guanosine-5'-  
monophosphate complex via Mössbauer and magnetic susceptibility measurements"  
J. Chem. Phys. 92, 6131-6139 (1990).
96. J. Tejada, X.X. Zhang, Ll. Balcells, C. Ferraté, J.M. Ruiz, F. Badia and O. Iglesias  
"Observation of quantum tunneling of the magnetization vector in small particles with or without  
domain walls. Part I"  
Studies of Magn. Properties of Fine Part. Elsevier Sci. Pub., 225-233, (1992) (Invited Paper).
97. C. Ferraté, B. Martinez, F. Badia, R. Ribas, A. Lousa and J. Tejada  
"Magnetic properties of multilayers ferromagnetic thin films of Fe/La"  
JMMM 83, 69-71 (1990).
98. E. Agostinelli, G. Balestrino, G. Fillon, D. Fiorani, R. Muzi, P. Paroli, J. Tejada and A.M. Testa  
"Magnetic measurements on Bi-Sr-Ca-Cu-O superconductor"  
Jour. Mag. Mag. 83, 509-510 (1990).
99. X. Obradors, J. Tejada, J. Rodríguez, F. Perez, M. Vallet, J. González-Calbet i M. Medarde  
"Low temperature magnetization of antiferromagnetic YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6</sub>"  
J. Magn.Mag.Mat. 83, Iss.1-3, pp 517-518 (1990).
100. X. Obradors, J. Bassas, J. Rodríguez, J. Pannetier, A. Labarta, J. Tejada, F. Berry."Short-Range  
Antiferromagnetic correlations in spin glass-like. Iron Antimonate of composition FeSbO<sub>4</sub>"  
J. Phys. C. 2, 6801-6806 (1990).
101. J. Tejada, B. Martinez, A. Labarta, R. Grössinger, M. Vazquez y A. Hernando  
"Phenomenological study of amorphous Fe<sub>80</sub>B<sub>20</sub> ferromagnet with small random anisotropy"  
Phys. Rev. Condensed Matter, 42, 898-905 (1990).
102. E. Agostinelli, G. Balestrino, D. Fiorani, R. Muzi, P. Parolim J. Tejada, A.M. Testa  
"Magnetic investigation of Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+x</sub> single crystals"  
Physica C . 162, 319-320 (1990).
103. Montero-C Poillerat-G Meas-Y Tejada-J Bosch-P  
" Electrochemical, Spectroscopic and Optical Studies of the Copper-Oxide Selective Surface  
Prepared by Anodic Passivation - Application to Heliothermal Conversion"  
Solar Energy Materials, 19, 353-364 (1989).
104. Sapina-F Escrivá-E Beltrán-D Fuertes-A Drillon-M Tejada-J

- "Magnetic-Properties of the 3-Sites Alternating Bimetallic Chains  $\text{Cu}_3(\text{M}(\text{Cdta}))_2(\text{OH})_8(\text{NO}_3) \cdot 2.7\text{H}_2\text{O}$  (M = Cu, Ni)"  
Journal of Applied Physics, 67, 6016-6016 (1990).
105. Berry-FJ Sarson-MI Tejada-J Labarta-A Rodriguez-R Obradors-X  
"Spin Glass-Type Behavior in Iron Antimonate - The Identification of Unusual Phenomena At Low-Temperatures in Low Magnetic-Fields"  
Journal of Solid State Chemistry, 87, 237-240 (1990).
106. Castillo-JR Mir-JM Perezarantegui-J Tejada-J Alabart-JR  
"Study of the Provenance of Terra-Sigillata by Mossbauer-Spectroscopy"  
Fresenius Journal of Analytical Chemistry, 341, 611-614 (1991).
107. F. Badia, M.A. Badry, X.X. Zhang, J. Tejada, R.A. Brand, B. Scholz and W. Keune  
"Magnetic properties of Fe/Tb multilayers"  
J. Appl. Phys., 70 (10), 6206-6208 (1991).
- 108.. J. Tejada, F. Badia, B. Martinez and J.M. Ruiz  
"Magnetic properties of compositionally modulated thin films of rare earth and transition metal"  
J.M.M.M. 101 181-186, (1991) (Invited Paper).
109. J. Tejada, B. Martinez, A. Labarta and E.M. Chudnovsky  
"Correlated spin-glass generated by structural disorder in amorphous DyFeB alloy"  
Phys. Rev. B Rapid Commu B44, 7698-7700 (1991).
110. Daum-PS Bowers-WD Tejada-J Morehouse-D Hamlet-MP  
"Cooling to Heat of Fusion (Hof), Followed by Rapid Rewarming, Does Not Reduce the Integrity of Microvascular Corrosion Casts"  
Cryobiology, 28, 294-301 (1991).
111. F. Badia, G. Fratucello, B. Martinez, D. Fiorani, A. Labarta and J. Tejada  
"Magnetic properties of Fe/Cu multilayers"  
J. Mag. Mag. Mat. 93 425-428 (1991).
112. F. Badia, C. Ferrater, B. Martinez, A. Lousa and J. Tejada  
"Magnetic phase diagram of Fe-Y multilayers"  
J. Mag. Mag. Mat. 93, 429-431 (1991).
113. M.T. Causa, M. Tovar, X. Obradors, A. Labarta and J. Tejada  
"Electron-spin resonance in the spin-glass-like system  $\text{Fe}_{1-x}\text{GaxSbO}_4$ "  
Physical Review B, 44, 4455-4460 (1991).
114. A. Labarta, R. Rodriguez, Ll. Balcells, J. Tejada, X. Obradors and F.J. Berry  
"Non-critical behavior and remanent magnetization in magnetically frustated  $\text{FeSbO}_4$ "  
Phys. Rev. B- Condensed Matter 44, 691-698 (1991).
115. Agostinelli-E Fiorani-D Tejada-J Testa-AM  
"Relaxation Effects in  $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{Cu}_2\text{O}_{8+x}$  and  $\text{Bi}_{1.7}\text{Pb}_{0.3}\text{Sr}_2\text{Ca}_1\text{Cu}_2\text{O}_{8+x}$  Single-Crystals"

- Superconductor Science & Technology, 4, s223-s225 (1991).
116. Ll. Balcells, J.L. Tholence, S. Linderoth, B. Barbara and J. Tejada  
"Quantum tunneling of magnetization in metallic FeC ferrofluids"  
Z. Physik B., 89, 209-212 (1992).
  117. Donzelli-O Fratucello-G Ronconi-F Tejada-J Rachid-Z Zhang-XX  
"Magnetic-Properties of (111)Cu/Fe Multilayers"  
Hyperfine Interactions, 68, 303-306 (1991).
  118. B. Martinez, A. Labarta, F. Badia and J. Tejada  
"Random anisotropy induced by structural disorder"  
J.M.M.M. 104-107 123-124 (1992).
  119. M. Nogues, D. Fiorani, J. Tejada, J.L. Dormann, S. Sayouri, A.M. Testa and E. Agostinelli  
"Disorder magnetic properties in the system  $Zn_xCd_{1-x}Cr_2S_4$ "  
J.M.M.M. 104-107 1641-1642 (1992).
  - 120.. M.T. Causa, M. Tovar, X. Obradors, A. Labarta and J. Tejada  
"Electron spin resonance in the spin glass system  $Fe_{1-x}GaxSbO_4$ "  
J. Mag. Mag. Mat. 104, 1649-1651 (1992).
  121. X.X. Zhang, Ll. Balcells, J.M. Ruiz, O. Iglesias, J. Tejada and B. Barbara  
"Time dependent phenomena at low temperatures in SmCo multilayers: quantum nucleation phenomena"  
Physics Letters A 163) 130-134 (1992).
  122. F. Berry, J. Marco, J. Tejada and F. Badia  
"Magnetic Interactions in the compounds  $Fe_{0.33}NbTiP_3O_{12}$ ,  $Sn_{0.5}NbTiP_3O_{12}$  and  $Fe_{0.5}NbTiP_3O_{12}$ "  
Pergamon Press, vol. 11, 1157-1159 (1992) .
  123. Ll. Balcells, X.X. Zhang, F. Badia, J.M. Ruiz, C. Ferrater and J. Tejada  
"Quantum Tunneling of Magnetization in multilayer system"  
J.M.M.M. 109 L159-L163 (1992).
  124. X.X. Zhang, Ll. Balcells, J.M. Ruiz, J.L. Tholence, B. Barbara and J. Tejada  
"Quantum tunnelling effects in Fe/Sm multilayers"  
J.Phys.: Condens. Matter) L163-L168 4 (1992).
  125. D. Fiorani, A.M. Testa, J. Tejada  
"Flux motion in Bi and Tl-based superconductors"  
Applied Superconductivity, vol.1 Iss 7-9, pp 935-945 (1993).
  126. E.M. Chudnovsky and J. Tejada  
"Evidence of the extended orientational order in amorphous alloys obtained from magnetic measurements"  
Europhys. Lett., 23, 517-522 (1993).

127. J. Tejada, X.X. Zhang, J.M. Ruiz, Ll. Balcells, O. Iglesias and B. Barbara  
"Non-thermal viscosity in the magnetic relaxation of 2d Random Magnets"  
Europhys. Lett. 22, 211-216 (1993).
128. X. Batlle, M. García del Muro and J. Tejada, H. Pfeiffer, P. Görnert and E. Sinn.  
"Magnetic Study of M-Type Doped Barium Ferrite Nanocrystalline Powders"  
J. Appl. Phys. 74 (5), 3333-3340 (1993).
129. J. Tejada, X.X. Zhang and Ll. Balcells  
"Non-thermal viscosity in magnets: Quantum Tunneling of the Magnetization"  
J. Appl. Phys. 73, 6709-6714 (1993).
130. J. Tejada, Ll. Balcells, S. Linderoth, B. Rigau and S.C. Bacri  
"Quantum tunneling of magnetization in single domain particles"  
J. Appl. Phys. 73, 6952-6954 (1993).
131. H. Pfeifer, W. Schüppel, P. Görnert, M. García del Muro and J. Tejada  
"Magnetic properties of nanocrystalline, barium hexaferrite powders: anisotropy field and interaction effects"  
J.Mag.Mag.Mat. 127, 229-232 (1993).
132. Linderoth-S Balcells-L Labarta-A Tejada-J Hendriksen-PV Sethi-SA  
"Magnetization and Mossbauer Studies of Ultrafine Fe-C Particles"  
JMMM, 124, 269-276 (1993).
133. J. Tejada, X.X. Zhang and B. Barbara  
"Sharp Transition between thermal and quantum tunneling regimes in magnetization relaxation processes"  
J. Mag. Mag. Mat., 121, 227-229 (1993).
134. J. Tejada, Ll. Balcells and X.X. Zhang  
"Dependence on magnetic viscosity on temperature and external magnetic fields in very thin iron films (5Å) deposited onto crystalline Cu(111)"  
J.M.M.M. 118 , 65-69 (1993).
135. X.X. Zhang, R. Zquiak, J.M. Ruiz and J. Tejada  
"Magnetic behaviour of Fe/Y Multilayers versus magnetic layer thickness"  
J.M.M.M. 118. 70-76 (1993).
136. A. García, X.X. Zhang, A.M. Testa, D. Fiorani and J. Tejada  
"Experimental evidence of quantum tunneling in Tl Ba Ca Cu O"  
J. Phys. Condens. Matter, 4, 10341-10346 (1992).
137. X.X. Zhang, R. Zquiak, B. Barbara, and J. Tejada  
"Quantum depinning of domain wall in ferromagnets"  
J. Phys. Condens. Matter, 4, 10347-10352 (1992).

138. Bohigas-X Folch-A Tejada-J Sorokin-NI Sobolev-BP  
"Paramagnetic-Susceptibility of Nonstoichiometric Fluorides with the Fluorite-Type Structure"  
Journal of Solid State Chemistry, 102, 198-203 (1993).
139. J.M. Sancho, A. Lacasta, M.C. Torrent and J. Tejada  
"Langevin equation approach for slow dynamics in magnetic systems submitted"  
Phys. Letters A, 181, 335-339(1993).
140. J. Tejada, X.X. Zhang and E.M. Chudnovsky  
"Quantum relaxation in random magnets"  
Phys.Rev. B47 14977-14987 (1993).
141. J.M. Ruiz, X.X. Zhang, O. Iglesias, A. García and J. Tejada  
"Structural disorder in two-dimensional random magnets: very thin films of rare earth and transition metal"  
Phys. Rev. B47, 11848-11851 (1993).
142. Berry-FJ Sarson-MI Tejada-J  
"Chromium Antimonates and Iron Gallium Antimonates - Preparation, Structural and Magnetic-Properties"  
Polyhedron, 12, 1581-1586 (1993)
143. Caubet-A Moreno-V Labarta-A Tejada-J  
"Electronic-Structure Determination of Co(II)-Nucleotide Complexes by Using Magnetic and Mossbauer Emission Measurements"  
Zeitschrift fur Naturforschung Section A-B Journal of Chemical Sciences, 48, 98-106 (1993).
144. J. Tejada, E.M. Chudnovsky and A. García  
"Quantum tunneling of vortices in Tl<sub>2</sub>Ca<sub>1</sub>Ba<sub>2</sub>Cu<sub>2</sub>O<sub>8</sub> superconductor"  
Phys. Rev. B47, 11552-11554, (1993).
145. J. Tejada y X.X. Zhang  
"Efecto Túnel Cuántico"  
Rev. Investigación y Ciencia, Agosto (1993).
146. J. Tejada, X.X. Zhang and A. García  
"Quantum relaxation in magnetism and high T<sub>c</sub> -superconductors"  
Phys. Script. T55, 131-135 (1994) (Invited).
147. X.X. Zhang, J. Tejada, A. Roig, O. Nikolov and E. Molins  
" Quantum exponential relaxation of antiferromagnetic domain walls in Fe Tb O<sub>3</sub> single crystal"  
J. Mag. Mag. Mat. 137, L235-L238 (1994).
148. Delmuro-MG Battle-X Zquiak-R Tejada-J Polak-C Grossinger-R  
"Magnetic-Properties of Fe-Cu-Nb-Si-B Nanocrystalline Magnetic-Alloys"  
IEEE Transactions on Magnetics, 30, 502-504 (1994).
149. Battle-X Delmuro-MG Tejada-J Pfeiffer-H Gornert-P Sinn-E  
"Static Magnetic-Properties of Nanocrystalline Co-Ti Doped Barium Ferrite BaFe<sub>12-2X</sub>Co<sub>2X</sub>O<sub>19</sub> (X=0.8)"

- IEEE Transactions on Magnetics, 30, 708-710 (1994).
150. Gornert-P Pfeiffer-H Sinn-E Muller-R Schuppel-W Rosler-M Batlle-X Delmuro-MG Tejada-J Gali-S  
"Nanocrystalline M-Type Hexaferrite Powders - Preparation, Geometric and Magnetic-Properties"  
IEEE Transactions on Magnetics, 30, 714-716 (1994).
  151. Pankhurst-QA Thomas-MT Johnson-CE Zquiak-R Zhang-XX Tejada-J  
"A Mossbauer Study of Fe(5-Angstrom) Plus Cu(50-Angstrom) Multilayers"  
IEEE Transactions on Magnetics, 30, 778-780 (1994).
  152. Zhang-XX Ferrater-C Zquiak-R Tejada-J  
"Structure and Magnetic-Properties of Sm/Fe Multilayers Versus Substrate-Temperature  
IEEE Transactions on Magnetics, 30, 818-820 (1994).
  153. X.X. Zhang and J. Tejada  
"Time dependence phenomena at low temperature in magnetic Dcc Tapes"  
J. Appl. Phys., 75,5637-5638 (1994).
  154. M. Rubinstein, J. Tejada and X.X. Zhang  
"Magnetic properties of granular magnetic multilajes"  
J. Appl. Physic. 75 (10), 6557-6559 (1994).
  155. J. Tejada and X.X. Zhang  
On magnetic relaxation in antiferromagnetic horse -spleen ferritin proteins"  
J. Phys. Cond. Matter 6, 263-266 (1994).
  156. A. García, X.X. Zhang, J. Tejada, M. Manzel and H. Brücholss  
"Low-temperature quantum relaxation of single two-dimensional vortices in an epitaxial  
T12Ba2Ca2Cu3Ox thin film"  
Phys. Rev. B50, 9439-9444 (1994).
  157. J. González-Miranda and J. Tejada  
"Computer Simulation Sutdy of Magnetic Relaxation in Anisotropy Magnetic Systems"  
  
Phys. Rev.B -Condensed Matter 49, 3867-3873 (1994).
  158. X.X. Zhang, A. García, J. Tejada, Y. Yin and K.W. Wong  
"Experimental evidence of quantum tunneling of 2D vortices up to 10K in bulk  
T12Ba2Ca2Cu3Ox superconductor"  
Physica C232, 99-103 (1994).
  159. J. Tejada, X.X. Zhang and C. Ferrater  
"Magnetic relaxation in very thin films of Dy deposited into crystalline Cu(111)"  
Zeitschrift fur Physik B-Condensed Matter,94, 245-248 (1994).
  160. X.X. Zhang and J. Tejada  
"Structure and Magnetic-Properties of Sm/Fe Multilayers Versus Substrate-Temperature  
IEEE Transactions on Magnetics, 30, 818-820 (1994).

161. X.X. Zhang and J. Tejada  
 "Magnetic relaxation phenomena in CrO<sub>2</sub> Digital Compact Cassette magnetic tapes"  
 J.Mag.Mag.Mat. 129, L109-L114 (1994).
162. J. Tejada and X.X. Zhang  
 "Macroscopic Quantum tunneling in antiferromagnetic Horse-Spleen Ferritin Particles"  
 J. of Applied. Physics, 75, 5642-5642 (1994).  
 NATO . Advanced Study -Institute Nanophase materials -Synthesis -Processes- Applications (1993).  
 Invited.
163. A. Folch, J. Tejada, C.H. Peters and M.S. Wrighton  
 "Electron beam deposition of gold nanostructures in a reactive environment"  
 Appl. Phys.Lett. 66, 2080-2082 (1995).
164. J. Tejada, X.X. Zhang, A. Roig, O. Nikolov and E. Molins  
 "Quantum tunneling of antiferromagnetic domain walls in Tb Fe O<sub>3</sub> single crystal"  
 Europhys. Letters 30, 227-232 (1995).
165. Yu-RH Zhang-XX Tejada-J Zhu-J Knobel-M Tiberto-P Allia-P Vinai-F  
 "Magnetic-Properties and Giant Magnetoresistance of Magnetic Granular Co<sub>10</sub>Cu<sub>90</sub> Alloys  
 Obtained by Direct-Current Joule Heating"  
 Journal of Applied Physics, 78, 5062-5066 (1995).
166. R.H. Yu, X.X. Zhang, J. Tejada, M. Knobel, P. Tiberto, P. Allia  
 "Magnetic properties and giant magnetoresistance in melt-spun CoCu alloys"  
 J. Appl. Phys. 78, 392-397 (1995).
167. E.B. Krotenko, X.X. Zhang and J. Tejada  
 "Self-heating in magnetic relaxation experiments in TbFe<sub>3</sub>O<sub>7</sub> single crystal and Fe<sub>3</sub>Tb metallic alloy"  
 J. Magn. Mag. Mat. 150, 119-123 (1995).
168. Sanchez-C Gonzalez-Miranda-JM Tejada-J  
 "Computer-Simulation of Slow Magnetic-Relaxation"  
 J MMM, 140, 365-366 (1995).
169. A. Roig, X.X. Zhang, R. Zuberek, J. Tejada, E. Molins  
 "Magnetic properties of Fe/Cu multilayers"  
 J. Magn.Mag. Mat. 140, 559-560 (1995).
170. J.Tejada and X.X. Zhang  
 "Experiments in Quantum Magnetic Relaxation"  
 J. Magn.Magn. Mat. 140, 1815-1818 (1995) Invited.
171. X. Zhang, R. Ziolo, E.C. Kroll, X. Bohigas and J. Tejada  
 "Magnetic relaxation and quantum tunneling in nanocrystalline particles"  
 J. Mag. Mag. Mat. 140, 1853-1854 (1995).
172. J. Tejada, X.X. Zhang, F.J. Berry and G. Dates

- Magnetic relaxation phenomena in the Erbium Orthoferrite  $\text{ErFeO}_3$ "  
*J. Magn. Magn. Mat.* 140, 2165-2166 (1995).
173. R.H. Yu, X.X. Zhang, J. Tejada, M. Knobel, P. Tiberto and P. Allia  
 "Magnetic properties and giant magnetoresistance in magnetic granular  $\text{Co}_x\text{Cu}_{100-x}$  alloys"  
*J. Phys. D: Appl. Phys.* 28, 1770-1777 (1995).
174. B. Krotenko, J. Tejada and X.X. Zhang  
 "Exponential relaxation in  $\text{TbFeO}_3$ : a quantum surface nucleation problem"  
*J. Phys. Condens. Matter*, 7, 5097-5104 (1995).
175. H. Yu, X.X. Zhang, J. Tejada, M. Knobel, P. Tiberto and P. Allia  
 "Magnetic properties and giant magnetoresistance in melt-spun  $\text{Co}_{15}\text{Cu}_{85}$  alloys"  
*J. Phys. Condensed Matter* 7, 4081-4093 (1995).
176. Fiorani D- Garcia-A Zhang-XX Testa-AM Tejada-J  
 "Flux Motion by Quantum Tunneling in High-T-C Superconductors"  
*Nuovo Cimento della Societa Italiana di Fisica d-Condensed Matter Atomic Molecular and Chemical Physics Fluids Plasmas Biophysics* 16, 1925-1932 (1994).
177. J.M. Ruiz, X.X. Zhang, C. Ferrater and J. Tejada  
 "Evidence of extended orientational order in amorphous Fe/Sm thin films"  
*Phys. Rev. B*, 52, 10202-10206 (1995).
178. X.X. Zhang, A. García, J. Tejada, Y. Xin, G.F. Sun and K.W. Wong  
 "Magnetic relaxation and quantum tunneling of vortices in polycrystalline  
 $(\text{Hg}_{0.8}\text{Tl}_{0.2}\text{Ba}_2\text{Ca}_2\text{Cu}_{308+\delta})$  superconductor"  
*Phys. Rev.* 52B, 1325-1330 (1995).
179. R.H. Yu, X.X. Zhang, J. Tejada, M. Knobel, P. Tiberto and P. Allia  
 "Magnetic and magnetotransport properties in  $\text{Co}_{50}\text{Cu}_{50}$  melt-spun alloy"  
*Zeitschrift für Physik B Condensed Matter* 98, 447-451 (1995).
180. R.H. Yu, X.X. Zhang, J. Tejada and J. Zhu  
 "Asymmetric giant magnetoresistance in  $\text{Cu}_{10}\text{Cu}_{90}$  magnetic granular alloys"  
*Phys. Rev. B Condensed Matter*, 52; 6987-6990 (1995).
181. X.X. Zhang, J. Tejada, Y. Xin, G.F. Sun, K.W. Wong and X. Bohigas  
 "Magnetocaloric effect in  $\text{LaCaMnO}$  and  $\text{LaYCaMnO}$ -Delta Bulk materials"  
*Appl. Phys. Lett.* 69, 3596-3598 (1996).
182. X.X. Zhang, R.H. Yu, J. Tejada, G.F. Sun, Y. Xiu and K.W. Wong  
 "Magnetic properties and giant magnetoresistance in  $\text{La}_{0.67}\text{La}_{0.33}\text{MnO}_3$  Bulk Material"  
*Appl. Phys. Lett.* 68, 3191-3193 (1996).
183. luma-J Zhang-XX Hernandez-JM Tejada-J Sun-GF Xin-Y Wong-KW  
 "Resistance of Ceramic Samples - 2D Localization and Time-Dependence"  
*Czechoslovak Journal of Physics*, 46, 2493-2494, (1996)

184. Zhang-XX Hernandez-JM Tejada-J Friedman-JR Sarachik-M Ziolo-R  
"Resonant-Tunneling of Magnetization in Mn-12 Acetate Complex"  
Czechoslovak Journal of Physics, 46, 2135-2136 (1996).
185. Garcia-A Zhang-XX Tejada-J Fiorani-D Testa-AM  
"Quantum Tunneling of Vortices in High-T-C Superconducting Cuprates"  
Czechoslovak Journal of Physics, 46, 1743-1744 (1996).
186. J.M. Hernández, X.X. Zhang, F. Luis, J. Bartolomé, J. Tejada and R. Ziolo  
"Field Tuning of thermally activated magnetic quantum tunneling in Mn<sub>12</sub> -Ac molecules"  
Europhys. Letters 35, 301-306 (1996).
187. Hernandez-JM Zhang-XX Tejada-J  
"Computational Calculations of Magnetic-Relaxation and Viscosity in Small Magnetic Grains"  
Journal of Applied Physics, 79, 4686-4688 (1996).
188. Maraner-A Zhang-X Cavalleri-A Tejada-J Vitale-S  
"Magnetic Viscosity Far and Close to Equilibrium in the Superparamagnetic Alloy"  
Journal of Applied Physics, 79, 5406-5408 (1996)
189. J.R. Friedman, M.P. Saradrik, J. Tejada, R. Ziolo  
"Steps in the hysteresis loops of a high spin molecule"  
J. Appl.Phys. 79 (8), 6031-6033 (1996).
190. A. García, X.X. Zhang and J. Tejada  
"Quantum vortex motion in high -T<sub>c</sub> superconductors"  
J. Appl. Phys. 79, 6516-6518 (1996).
191. Garcia-A Zhang-XX Tejada-J  
"Experimental-Evidence of a Crossover in the Vortex Dimensionality in High-T-C Superconductors"  
Journal of Applied Physics, 79, 6589-6591 (1996).
192. Yu-RH Zhang-XX Tejada-J Zhu-J Knobel-M  
"Structure, Magnetic-Properties, and Giant Magnetoresistance in Melt-Spun Metallic Copper-Cobalt Ribbons"  
Journal of Applied Physics, 79, 1979-1990 (1996).
193. Luis-F Bartolome-J Tejada-J Martinez-E  
"AC Susceptibility Study of the Magnetic-Relaxation Phenomena in Cro<sub>2</sub> Digital Compact Cassette Magnetic Tapes"  
JMMM, 158 266-2671 (1996).
194. Folch-A Servat-J Esteve-J Tejada-J Seco-M  
"High-Vacuum Versus Environmental Electron-Beam Deposition"  
Journal of Vacuum Science & Technology b, 14, 2609-2614 (1996).
195. X.X. Zhang, J.M. Hernández, J. Tejada, R.F. Ziolo

- "Magnetic properties relaxation and quantum tunneling in CoFe<sub>2</sub>O<sub>4</sub> nanoparticles embedded in potassium silicate"  
Phys.Rev. B-Condensed Mater 54, 4101-4106 (1996).
196. X.X. Zhang, J.M. Hernández, J. Tejada, R. Solé and X. Ruiz  
"Magnetic properties and domain wall motion in single crystal Ba<sub>1-x</sub>Fe<sub>x</sub>SnCoO"  
Phys. Rev. B-Condensed Matter, 53, 3336-3340 (1996).
197. Authors: Friedman-JR Sarachik-MP Tejada-J Ziolo-R  
Title: Macroscopic Measurement of Resonant Magnetization Tunneling in High-Spin Molecules  
Physical Review Letters 1996, vol 76, iss 20, pp 3830-3833 (1996).
198. J. Tejada  
"Does macroscopic quantum coherence occur in ferritin"  
Science 272, 424-424 (1996).
199. Yu-RH Zhang-XX Tejada-J Knobel-M Tiberto-P Allia-P Vinai-F  
"Improved Giant Magnetoresistance in Magnetic Granular Co<sub>5</sub>Cu<sub>95</sub> Alloys by Direct-Current Joule Heating"  
Zeitschrift für Physik b-Condensed Matter, 99, 159-161 (1996).
200. Sole-R Zhang-XX Ruiz-X Aguilo-M Diaz-F Tejada-J  
"Magnetic-Properties of BaFe<sub>12</sub>-(X+y)Snxcoyo19 Single-Crystals"  
Journal of Applied Physics, 79, 5439-5439 (1996).
201. Authors: Zhang-XX Hernandez-JM Kroll-EC Ziolo-R Tejada-J  
"Low-Temperature Magnetic-Relaxation and Quantum Tunneling in Nanocrystalline Particles"  
Journal of Applied Physics, 79, 6116-6116 (1996).
202. J. Tejada, R.F. Ziolo, X.X. Zhang  
"Quantum tunneling of magnetization in nanostructured materials"  
Chemistry of Materials, 8, 1784-1792. (1996). (Invited Review)
203. J. Friedman, M. Sarachik, J.M. Hernández, X.X. Zhang, J. Tejada, E. Molins and R. Ziolo.  
"Effect of a transverse magnetic field on resonant magnetization tunneling in high-spin molecules"  
J.Appl.Phys.81, 3978-3980 (1997).
204. Yu-RH Zhang-XX Tejada-J Knobel-M Tiberto-P Allia-P Vinai-F  
"Giant Magnetoresistance in Magnetic Granular Co<sub>15</sub>Cu<sub>85</sub> Alloys Annealed by Direct-Current Joule Heating"  
JMMM, 164, 99-104 (1996).
205. Luis-F Bartolome-J Fernandez-JF Tejada-J Hernandez-JM Zhang-XX Ziolo-R  
"Thermally Activated and Field-Tuned Tunneling in Mn<sub>12</sub>Ac Studied by AC Magnetic-Susceptibility"  
Physical Review b-Condensed Matter, 55, 11448-11456 (1997).

206. J.M. Hernández, X.X. Zhang, F. Luis, J. Tejada, J. Friedman, M. Sarachik and R. Ziolo.  
"Evidence of resonant tunneling of magnetization Mn12acetate complex"  
Phys.Rev.B55 5858,5865 (1997).
207. J. Tejada, X.X. Zhang, E.del Barco, J.M.Hernández and E.M. Chudnovsky  
"Macroscopic resonant tunneling of magnetization in ferritin"  
Physical Rev. Lett. 79, 9 1754-1757 (1997).
208. A. Folch, P. Gorostiza, J. Servat, J. Tejada F. Sanz,  
"Enhanced surface atomic step motion observed in real time after nanoindentation of NaCl(100)"  
S.Science (Elsevier), 380, 427-433 (1997).
209. X. Bohigas, J. Tejada E. del Barco, X.X. Zhang, M. Sales  
"unable magnetocaloric effect in ceramic Perovskites"  
Appl.Phys.Lett. 73, 390-392, (1998).
210. L. Pardo, F. Sepulcre, J. Cladera, M. Duñach, A. Labarta, J. Tejada and E. Padrós  
"Experimental and Theoretical Characterization of the High-Affinity Cation-Binding Site of the Purple Membrane"  
Biophysical Journal, 75, 777-784 (1998).
211. Yu-RH Zhu-J Zhang-XX Tejada-J  
"Temperature-Dependence of the Magnetic and Transport-Properties of Co15Cu85 Magnetic Granular Alloys"  
Journal of Applied Physics , 83, 3134-3138 (1998).
212. E. M. Chudnovsky and J. Tejada  
"Macroscopic Quantum Tunneling of the Magnetic Moment"  
Cambridge University Press (1998) BOOK
213. Santiago-AG Testa-AM Zhang-XX Fiorani-D Tejada-J  
"Effect of Dissipation on Quantum Tunneling of Vortices in Tl2Ba2Ca2Cu3O10+delta Superconductors"  
Journal of Superconductivity, 11, 297-303 (1998).
214. Tejada-J Zhang-XX Delbarco-E Hernandez-JM Chudnovsky-EM  
"Comment on Macroscopic Resonant-Tunneling of Magnetization in Ferritin - Tejada Et-Al. Reply"  
Phys. Review Letters, 81, 736-736 (1998).
215. Delbarco-E Vernier-N Hernandez-JM Tejada-J Chudnovsky-EM Molins-E Bellessa-G  
"Quantum Coherence in Fe-8 Molecular Nanomagnets"  
Europhysics Letters 47, 722-728 (1999).
216. X.X. Zhang, J.M. Hernández, E. del Barco, J. Tejada, A. Roig, E. Molins, K. Wieghardt  
"Thermally assisted resonant quantum tunneling of magnetization in Fe<sub>8</sub> clusters"  
Journal of Applied Physics, Volume 85, 8 5633-5635. (1999).
217. Delbarco-E Luis-F Tejada-J Zhang-XX Bartolome-J Hernandez-JM Chudnovsky-EM

- "Experimental-Evidence of Macroscopic Resonant-Tunneling of Magnetization in Antiferromagnetic Ferritin"  
Journal of Applied Physics, 83, 6934-6936 (1998).
218. X. Bohigas, E. del Barco, M. Sales, J. Tejada  
"Magnetocaloric effect in  $\text{La}_{0.65}\text{Ca}_{0.35}\text{Ti}_{1-x}\text{Mn}_x\text{O}_3$  ceramic perovskites"  
J. Magn. and Magn. Mat. 196-197 455-457. (1999).
219. J. Tejada, J.M. Hernández and E. del Barco  
"Macroscopic Quantum Tunneling of the magnetic moment"  
J. Magn. Mat. 196-197, 552-557 (1999). (Invited).
220. Llumà, J- Vazquez-M Hernandez-JM Ruiz-JM Garciabeneytez-JM Zhukov-A Castano-FJ Zhang-XX Tejada-J  
.Low-Temperature Magnetization and Resistivity Measurements in Co Based Soft-Magnetic Microwires"  
JMMM, 197, 821-823 (1999).
221. J. Tejada, J.M. Hernández, M. Duran, E. Krotenko, J.L. Morenza, G. Sardin, E.M. Chudnovsky  
"The effect of hydrogen on the magnetic properties of the Nd-Fe-B-H compound"  
J. Mag. and Magn. Mat. 195, 476-482 (1999).
222. F. Luis, J.M. Hernández, J. Bartolomé and J. Tejada  
"Resonant magnetic tunneling in  $\text{Mn}_{12}$  2-CI benzoate"  
Nanotechnology 10, 86-89 (1999).
223. F. Luis, E. del Barco, J.M. Hernández, E. Remiro, J. Bartolomé, J. Tejada  
"Resonant Spin Tunnelling in Small Antiferromagnetic Particles"  
Physical Rev. B 59, 11837-11846 (1999).
224. E. del Barco, J.M. Hernández, M. Sales, J. Tejada., E.M. Chudnovsky, J.M. Broto, H. Rakoto  
"Spin-phonon avalanches in  $\text{Mn}_{12}$  acetate"  
Phys. Rev. B 60, 11898 (1999).
225. M. Sales, J.M. Hernández, J. Tejada, J.L. Martínez  
"Time-dependent heat capacity of  $\text{Mn}_{12}$  clusters"  
Phys. Rev- B, 60, 14557, (1999).
226. R. Amigó, J. Asenjo, E. Krotenko, F. Torres, J. Tejada, E. Brillas  
"Electrochemical Synthesis of New Magnetic Mixed Oxides of Sr and Fe. Composition, Magnetic Properties and Microstructure"  
Chem. of Mater. 12, 573-579 (2000).
227. J. Tejada, X.X. Zhang and R. Ziolo \*  
"Free Rotor behaviour of magnetic particles"  
Journal of Applied Physics, 87, 8008 (2000)
228. X. Bohigas, E. Molins and J. Tejada  
"Magnetocaloric device using permanent magnets"  
IEEE Trans. on Magn. 36, 538 (2000).

229. X. Bohigas, J. Tejada, M.L. Martínez-Sarrion, S. Tripp, R. Black  
"Magnetic and calorimetric measurements on the magnetocaloric effect in La<sub>0.6</sub>Ca<sub>0.4</sub>MnO<sub>3</sub>"  
Journal of Magn.and Magn. Mat. 208, 85-92 (2000).
230. J. Tejada, X.X. Zhang, E. Kroll, X. Bohigas and R. Ziolo  
"Solid containing rotationally free nanocrystalline (Y-Fe<sub>2</sub>O<sub>3</sub>: Material for a nanoscale magnetic compass"  
J. Appl. Phys. 87, 8008 (2000).
231. A. García Santiago, F. Sánchez, M. Varela and J. Tejada  
"Enhanced pinning in magnetic-superconducting bilayer"  
Appl. Phys. Lett. 77, 2900 (2000).
232. F. Torres, J.M. Hernández, X. Bohigas and J. Tejada  
"Giant and time-dependent magnetocaloric effect in high-spin molecular magnets"  
Appl. Phys. Lett. 77, 3248-3250 (2000).
233. F. Luis, F. Mettes, J. Tejada, D. Gatteschi and L.J. De Jough  
"Observation of quantum coherence in mesoscopic molecular magnets"  
Phys. Rev. Lett. 85, 4377 (2000).
234. F. Torres, R. Amigó, J. Asenjo, E. Krotenko, J. Tejada and E. Brillas  
"Electrochemical route for the synthesis of new nanostructured magnetic mixed oxides of Mn, Zn, and Fe from an acidic chloride and nitrate medium"  
Chem. Mater, 12, 3060 (2000).
235. Testa, S. Foglia, L. Suber, D. Fiorani, Ll. Casas, A. Roig, E. Molins J.M. Grenèche and J. Tejada  
"Unconventional magnetic behavior of iron-oxide nanoparticles in polymeric matrices"  
Journal of Applied Phys. 90, 1534-1539 (2001).
236. J. Tejada, E.M. Chudnovsky, E. del Barco, J.M. Hernández and T.P. Spiller.  
"Magnetic qubits as hardware for quantum computers"  
Nanotechnology, 12- 181-186 (2001).
237. D. López, I. Cendoya, F. Torres, J. Tejada, C. Mijangos.  
"Preparation and Characterization of Poly(vinyl Alcohol)-Based Magnetic Nanocomposites. 1. Thermal and Mechanical Properties".  
Journal of Applied Polym.Sci. 82, 3215-3222 (2001).
238. D. López, I. Cendoya, C. Mijangos, A. Julià, R. Ziolo and J. Tejada  
"Magnetic Applications of Polymer Gels"  
Macromol. Symp. 166, 173-178 (2001).
239. E. del Barco, J. Asenjo, X.X. Zhang, R. Pieczynsky, A. Julià, J. Tejada, R. Ziolo, D. Fiorani, A.M. Testa.  
"Free Rotation of Magnetic Nanoparticles in a Solid Matrix"  
Chem. Mater. 13, 1487-1490 (2001)
240. Ll. Casas, A. Roig, E. Rodríguez, E. Molins, J. Tejada and J. Sort  
Silica aerogel " -iron oxide nanocomposites: structural and magnetic properties"  
Journal of Non-Crystalline Solids, 285, 37-43 (2001).
241. M. Durán, E.del Barco, J.M. Hernández and J. Tejada  
"Relaxation and Landau-Zener experiments down to 100 mK in ferritin"  
Phys. Rev.B, 65, 1724-01-1724-04 (2002).

242. Ll. Casas, A. Roig, E. Molins, J.M. Grenèche, J. Asenjo, J. Tejada  
"Iron oxide nanoparticles hosted in silica aerogels"  
Appl. Phys. A 74, 591-597 (2002).
- 243 J.M. Hernández, F. Torres, J. Tejada and E. Molins  
"Crystal defects and spin tunneling in single crystals of Mn<sub>12</sub> clusters"  
Phys. Rev. B 66, 161407-1/161407-4 (2002).
- 244 X. Bohigas, J. Tejada, F. Torres, J.I. Arnaudas, E. Joven and A. del Moral  
"Magnetocaloric effect in random magnetic anisotropy materials"  
Appl. Phys. Letters, 81, 2427-2429 (2002).
- 245 E. del Barco, M. Duran, J.M. Hernández and J. Tejada  
"Magnetic relaxation measurements of  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> antiferromagnetic particles below 1 K"  
Phys. Rev. B, 65, 52404 (2002).
- 246 D. Maspoch, D. Ruiz-Molina, K. Wurst, N. Domingo, M. Cavallini, F. Biscarni,  
J. Tejada, C. Rovira, J. Veciana  
"A nanoporous molecular magnet with a reversible solvent-induced mechanical and  
magnetic properties"  
Nature Materials, 2, 190 – 195 (2003).
- 247 D. Ruiz-Molina, M. Mas-Torrent, J. Gómez, A.I. Balana, N. Domingo,  
J. Tejada, M.T. Martínez, C. Rovira, J. Veciana.  
"Isolated Single-Molecule Magnets on the Surface of a Polymeric Thin Film"  
Advanced Materials, 15 42-45 (2003).
- 248 P. Gerbier, D. Ruiz-Molina, N. Domingo, D.B. Amabilino, J. Vidal-Gancedo, J.  
Tejada, D.N. Hendrickson, J. Veciana  
"Synthesis and Characterization of a [Mn<sub>12</sub>O<sub>12</sub>(O<sub>2</sub>CR)<sub>16</sub>(H<sub>2</sub>O)<sub>4</sub>] Complex  
Bearing Paramagnetic Carboxylate Ligands. Use of a Modified Acid Replacement  
Synthetic Approach."  
*Monatshefte für Chemie* 134 265-276 (2003).
- 249 N. Domingo, P. Gerbier, J. Gómez, D. Ruiz-Molina, D.B. Amabilino, J. Tejada, J. Veciana  
" Synthesis and characterization of a new chiral nanomagnet"  
(en proceso de publicación en *Polyhedron*) 2003.
- 250.- F. Torres, X. Bohigas, J.M. Hernández, J. Tejada  
"Magnetocaloric effect in Mn<sub>12</sub> 2-Cl benzoate"  
J. Phys. Cond. Matt. 15, L119-L123 (2003).
251. R. Amigo, J.M. Hernández, A. García-Santiago and J. Tejada  
"High-resolution detection of resonant frequencies of microwave resonators via magnetic  
measurements"  
Appl. Phys. Lett. 82, 4528-4530 (2003).
252. R. Amigó, J.M. Hernández, a. García-Santiago and J. Tejada  
"Microwave absorption and magnetization tunneling in M<sub>d12</sub>-acetate molecular clusters"  
Phys. Rev. B67, 220402 (2003).
253. J. Tejada, R. Amigó, J.M. Hernández and E.M. Chudnovsky  
"Quantum dynamics of crystals of molecular nanomagnets inside a resonant cavity"

Phys. Rev. B68,0144XX, (2003).

254. R. Amigó, J. M. Hernandez, A. García-Santiago, J. Tejada,  
"Magnetic detection of millimeter waves",  
Europhysics Letters 64 ,158-163 (2003).
255. D. Ruiz-Molina, M. Mas-Torrent, A. I. Balana, N. Domingo, J. Tejada, M. T. Martínez, C. Rovira, J. Veciana,  
"Single-molecule magnets on a polymeric thin film as magnetic quantum bits",  
SPIE Proceedings 5118 ,594(2003).
256. N. Domingo, N. ; Williamson, B. E. ; Gómez-Segura, J. ; Gerbier, Ph. ; Ruiz-Molina, D. ; Amabilino, D. B. ; Veciana, J. ; Tejada, J.  
"Magnetism of isolated Mn12 single-molecule magnets detected by magnetic circular dichroism: Observation of spin tunneling with a magneto-optical technique"  
Physical Review B , Vol.69 -5, 052405 (2004).
257. R. Amigó, J. Tejada, E. M. Chudnovsky, J. M. Hernandez, A. García-Santiago,  
"Quantum dynamics of crystals of molecular magnets inside microwave resonators",  
ICM 2003 - International Conference on Magnetism, 27 July - 1 August 2003, Rome (Italy),  
Journal of Magnetism and Magnetic Materials 272-276 ,1106-1108 (2004).
258. F. Torres, J. M. Hernandez, A. García-Santiago, J. Tejada, E. Molins,  
"Experimental evidence of the dependence of spin tunneling on the concentration of dislocations in Mn12 crystals",  
ICM 2003 - International Conference on Magnetism, 27 July - 1 August 2003, Rome (Italy),  
Journal of Magnetism and Magnetic Materials 272-276 ,1111-1113, (2004).
259. J. Tejada, R. Amigó, J. M. Hernandez, A. García-Santiago  
"Resonant experiments in magnetism: superradiance and magnetic spectroscopy",  
ICM 2003 - International Conference on Magnetism, 27 July - 1 August 2003, Rome (Italy),  
Journal of Magnetism and Magnetic Materials 272-276 (2004) 2131-2135
260. Maspoch D, Domingo N, Ruiz-Molina D, Wurst K, Tejada J, Rovira C, Veciana J.  
"A robust nanocontainer based on a pure organic free radical "  
J. of the American Chem Soc.126 (3): 730-731 (2004).
261. J. Maspoch D, Domingo N, Ruiz-Molina D, Wurst K, Tejada J, Rovira C, Veciana  
"A robust purely organic nanoporous magnet "  
Angewandte Chemie-Internat. Edit.43 (14): 1828-1832 (2004)

262. Gerbier P, Domingo N, Gomez-Segura J, Ruiz-Molina D, Amabilino D, Tejada J, Willianson BE, Veciana J.  
“[Chiral, single-molecule nanomagnets: synthesis, magnetic characterization and natural and magnetic circular dichroism](#)”  
J.of Mat. Chem. 14 (15): 2455-2460 (2004).
263. Jordi M, Hernandez-Minguez A, Hernandez JM, Tejada J, Stroobants S, Vanacken J, Moshchalkov V.V.  
”[Scaling of the susceptibility vs. magnetic-field sweep rate in Fe-8 molecular magnet](#) “  
Europhys. Letters 68 (6): 888-893, (2004).
264. Vanacken J, Stroobants S, Malfait M, Jordi M, Hernández JM, Tejada J.  
”[Pulsed-field studies of the magnetization reversal in molecular nanomagnets](#)”  
Phys. Rev.B 70 (22): Art. No. 220401 ( 2004).
265. Tejada J, Chudnovsky EM, Hernandez JM, R. Amigó  
”[Electromagnetic radiation produced by avalanches in the magnetization reversal of Mn-12-acetate](#)”  
Appl.Phys. Lett 84 (13): 2373-2375 ( 2004).
266. MasPOCH D, Domingo N, Ruiz-Molina D, WurSt K, Tejada J, Rovira C, Veciana J.  
“[Carboxylic-substituted polychlorotriphenylmethyl radicals, new organic building-blocks to design nanoporous magnetic molecular materials](#)”  
Comptes Rendus Chimie (8): 1213-1225 (2005).
267. Hernandez-Minguez A, Jordi M, Amigo R, et al.  
“[Low-temperature microwave emission from molecular clusters](#)”  
Europhys.Letters 69 (2): 270-276, (2005)