

# **LIST OF PUBLICATIONS**

**Juan Rodríguez-Carvajal  
July 2006**

<b>Articles published as regular papers in journals</b>	<b>198</b>
<b>Articles in journals resulting from proceedings of congresses</b>	<b>102</b>
<b>Papers of conferences published in books, chapters of books, reports</b>	<b>58</b>
<b>Total number of papers</b>	<b>358</b>

# LIST OF ARTICLES PUBLISHED AS REGULAR PAPERS IN JOURNALS

Juan Rodríguez-Carvajal

Anales de Física	2
Anales de Química	1
Angewandte Chemie-International Edition	1
Acta Crystallographica B	1
Acta Crystallographica C	1
Ceramic Transactions	1
Chemistry of Materials	13
European Journal of Solid State and Inorganic Chemistry	1
Europhysics Letters	2
Fiz. Tverd. Tela (St. Petersburg)	1
Fizika Nizkikh Temperatur	1
Inorganic Chemistry	3
Intermetallics	1
Journal of Alloys and Compounds	17
Journal of Applied Physics	2
Journal of Magnetism and Magnetic Materials	21
Journal of Materials Chemistry	1
Journal of Materials Science	3
Journal of Physics C: Solid State Physics	1
Journal of Physics: Condensed Matter	16
Journal of Solid State Chemistry	19
Journal of the American Chemical Society	1
Journal of the Physics and Chemistry of Solids	1
Materials Research Bulletin	9
Nature	1
Philosophical Magazine Letters	1
Physica B	1
Physica C	5
Physical Chemistry and Chemical Physics	1
Physical Review B	34 (5 Rapid Comm.)
Physical Review Letters	5
Physics Letters A	1
Powder Diffraction	2
Scripta Metallurgica	1
Solid State and Electrochemical Letters	1
Solid State Communications	13
Solid State Ionics	1
Solid State Sciences	5
The European Physical Journal B	2
Zeitschrift für Kristallographie	1
Zeitschrift für Physik B-Condensed Matter	3
<b>TOTAL</b>	<b>198</b>

- 1) "Magnetic and Structural Characterization of the Solid Solution  $\text{CdFe}_2\text{O}_4\text{-NiFe}_2\text{O}_4$ ".  
J. Fontcuberta, J. Rodríguez, M. Pi, R. Rodríguez and J. Tejada.  
*Materials Research Bulletin* **15**, 969-980 (1980).
- 2) "Mössbauer Spectroscopy of Non-stoichiometric Perovskites".  
X. Obradors, R. Farre, J. Rodríguez, A. Labarta, J. Vinaixa and J. Tejada.  
*Anales de Física* **A77**, 162-167 (1981).
- 3) "Magnetic and Structural Properties of the Isomorphous Serie  $\text{Cd}_{1-x}\text{Ni}_x\text{Fe}_2\text{O}_4$ ".  
J. Fontcuberta, J. Rodríguez, M. Pi, J. Esteve, R. Rodríguez and J. Tejada.  
*Anales de Física* **A78**, 72-76 (1982).
- 4) "Spin-Glass behaviour in an Antiferromagnetic non Frustrated Lattice:  $\text{Sr}_2\text{FeNbO}_6$  perovskite".  
R. Rodríguez, A. Fernandez, A. Isalgué, J. Rodríguez, A. Labarta, J. Tejada and X. Obradors.  
*Journal of Physics C: Solid State Physics* **18** , L401-L405, (1985).
- 5) "Acomodación de Vacantes Aniónicas en el Sistema  $\text{SrTi}_{1-x}\text{Fe}_x\text{O}_{3-y}$  ( $0.50 \leq x \leq 0.70$ )".  
T. Blasco, M. Vallet, J.G. Calbet and J. Rodríguez.  
*Anales de Química* **82 B**, 8-12 (1986).
- 6) "Structural and Magnetic characterization of the lithiated iron oxide  $\text{Li}_x\text{Fe}_3\text{O}_4$ ".  
J. Fontcuberta, J. Rodríguez, M. Pernet, G. Longworth and J.B. Goodenough.  
*Journal of Applied Physics* **59** (6),1918-1926 (1986).
- 7) "Mössbauer Study of Vacancy Ordering in the System  $\text{SrTi}_{1-x}\text{Fe}_x\text{O}_{3-y}$ ".  
J. Rodríguez, J.A. Pereda, M. Vallet, J.G. Calbet and J. Tejada.  
*Materials Research Bulletin* **21** ,255-263 (1986).
- 8) "Rhombohedral  $\text{Sr}_2\text{Co}_2\text{O}_5$  : A new  $\text{A}_2\text{M}_2\text{O}_5$  Phase".  
J. Rodríguez and J.G. Calbet.  
*Materials Research Bulletin* **21** ,429-439 (1986).
- 9) "Quantitative Analysis of a  $\text{Li}_x\text{Fe}_3\text{O}_4 + \text{Fe}_3\text{O}_4$  Sample by the X-ray Rietveld Method"  
J. Rodríguez and J. Fontcuberta.  
*Journal of Materials Science* **22**, 1001-1005, (1987)
- 10) "Phase Transitions in  $\text{Sr}_2\text{Co}_2\text{O}_5$ : A Neutron Thermodiffractometry Study"  
J. Rodríguez, J.M. González Calbet, J.C. Grenier, J. Pannetier and M. Anne.  
*Solid State Communications* **62**(4), 231-234 (1987)
- 11) "Crystal Structure of Strontium Hexaferrite  $\text{SrFe}_{12}\text{O}_{19}$ "  
X. Obradors, X. Solans, A. Collomb, D. Samaras, J. Rodríguez, M. Pernet and M. Font-Altaba.  
*Journal of Solid State Chemistry* **72**, 218-224 (1988)

- 12) "Magnetic Frustration and Lattice Dimensionality in  $\text{SrCr}_8\text{Ga}_4\text{O}_{19}$ "  
X. Obradors, A. Labarta, A. Isalgué, J. Tejada, J. Rodríguez and M. Pernet.  
*Solid State Communications* **65**(3), 189-192 (1988)
- 13) "A Mössbauer Spectroscopy Study of the  $\text{CaFe}_x\text{Mn}_{1-x}\text{O}_{3-y}$  Ferrites ( $0.2 \leq x \leq 0.4$ )".  
J. Rodríguez, J. Fontcuberta, G. Longworth, M. Vallet-Regí and J.M. González Calbet.  
*Journal of Solid State Chemistry* **75**, 57-64 (1988)
- 14) "X-Ray Profile Analysis of Cation Distribution in  $\text{SrFe}_{12-x}\text{Al}_x\text{O}_{19}$  solid solution"  
F. Sandiumenge, S. Galí and J.Rodríguez  
*Materials Research Bulletin* **23**(5), 685-692, (1988)
- 15) " $\text{Ba}_2\text{PrCu}_3\text{O}_7$ : Crystal Growth, Structure and Magnetic Properties"  
E. Moran, U. Amador, M. Barahona, M.A. Alario-Franco, A. Vegas and J. Rodríguez-Carvajal.  
*Solid State Communications* **67**(4), 369-372 (1988)
- 16) "Anomalous Structural Behaviour of Stoichiometric  $\text{La}_2\text{NiO}_4$ "  
J. Rodríguez-Carvajal, J. L. Martínez, J. Pannetier and R. Saez-Puche.  
*Physical Review B* **38** (10), *Rapid Communications*, 7148-7151 (1988)
- 17) "Perovskite Threefold Superlattices: A Structure Determination of the  $\text{A}_3\text{M}_3\text{O}_8$  phase"  
J. Rodríguez-Carvajal, M. Vallet-Regí and J.M. González-Calbet.  
*Materials Research Bulletin* **24**, 423-430 (1989)
- 18) "The Tubular Crystal Structure of the New Phase  $\text{Bi}_4\text{Sr}_8\text{Cu}_5\text{O}_{19+x}$  Related to the Superconducting Perovskites"  
A. Fuertes, C. Miravittles, J.M. González-Calbet, M. Vallet-Regí, X. Obradors and J. Rodríguez-Carvajal.  
*Physica C* **157**, 525-530 (1989)
- 19) "Microdomains in the  $\text{CaFe}_x\text{Mn}_{1-x}\text{O}_{3-y}$  Ferrites. III.  $0.5 \leq x \leq 0.9$ "  
J.M. González-Calbet, M. Vallet-Regí, J. Alonso, J. Rodríguez-Carvajal and J. Fontcuberta.  
*Journal of Solid State Chemistry* **81**, 1-8 (1989)
- 20) "The rotation of the Magnetization in the  $\text{BaCo}_2\text{Fe}_{16}\text{O}_{27}$  W-type Hexagonal Ferrite"  
D. Samaras, A. Collomb, S. Hadjivasiliou, C. Achilleos, J. Tsoukalas, J. Pannetier and J. Rodríguez.  
*Journal of Magnetism and Magnetic Materials* **79**, 193-201 (1989)
- 21) "Magnetic and X-ray Diffraction Characterization of stoichiometric  $\text{Pr}_2\text{NiO}_4$  and  $\text{Nd}_2\text{NiO}_4$  oxides"  
R. Saez-Puche, F. Fernández, J. Rodríguez-Carvajal and J.L. Martínez"  
*Solid State Communications* **72**(3), 273-277 (1989)

- 22) "A Structural Study of  $12\text{H-BaFeO}_{2.93}$ "  
M. Parras, M. Vallet-Regí, J.M. Gonzalez-Calbet, J.C. Grenier, P. Hagenmuller and J. Rodríguez-Carvajal.  
*European Journal of Solid State and Inorganic Chemistry* **26**, 299-312 (1989).
- 23) "Influence of the Plastic Strain Amplitude on the Stability of the Spinodal Microstructure in the Cyclic Deformation of a Fe-28Cr-2Mo-4Ni-Nb Alloy"  
M. Anglada, J. Rodríguez, and A. Isalgué  
*Scripta Metallurgica* **23**, 1633-1638 (1989).
- 24) "Mössbauer Study of Vacancy Distribution in  $\text{CaMn}_{1-x}\text{Fe}_x\text{O}_{3-y}$  ( $x=0.5, 0.6$ )"  
J. Fontcuberta, M.A. Crusellas, J. Rodríguez-Carvajal, M. Vallet, J. Alonso, and J. González-Calbet.  
*Journal of Solid State Chemistry* **83**, 150-157 (1989)
- 25) "Structural Phase Transitions and Three-Dimensional Magnetic Ordering in the  $\text{Nd}_2\text{NiO}_4$  Oxide"  
J. Rodríguez-Carvajal, T. Fernández, J.L. Martínez, F. Fernández and R. Saez-Puche.  
*Europhysics Letters* **11** (3), 261-268 (1990)
- 26) "Crystal and Magnetic Structure of  $\text{Bi}_2\text{CuO}_4$ "  
J.L. García-Muñoz, J. Rodríguez-Carvajal, F. Sapiña, M.J. Sanchis, R. Ibañez and D. Beltrán-Porter.  
*Journal of Physics: Condensed Matter* **2**, 2205-2214 (1990)
- 27) "Structural Study of Ni-Substituted  $\text{Pb}_2\text{Sr}_2\text{YCu}_3\text{O}_{8+\delta}$ "  
U. Amador, F. García-Alvarado, E. Morán, M.A. Alario-Franco and J. Rodríguez-Carvajal  
*Physica C* **165**, 494-504 (1990)
- 28) "Crystal Structure Refinement of  $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$  ( $x=0.05-0.30$ ) by X-Ray (295K) and Neutron (1.5K) Powder Diffraction"  
E.F. Paulus, I. Yehia, H. Fuess, J. Rodríguez, T. Vogt, J. Ströbel, M. Klauda and G. Saemann-Ischenko  
*Solid State Communications* **73**(11), 791-795 (1990)
- 29) "Crystal and Magnetic Structure of  $\text{Li}_2\text{CuO}_2$ "  
F.Sapiña, J. Rodríguez-Carvajal, M.J. Sanchis, R. Ibañez, A. Beltrán and D. Beltrán  
*Solid State Communications* **74**(8), 779-784 (1990)
- 30) "Short-Range Antiferromagnetic Correlations in Spin-Glass-Like Iron Antimonate of Composition  $\text{FeSbO}_4$ "  
X. Obradors, J. Bassas, J.Rodríguez-Carvajal, J. Pannetier, A. Labarta, J. Tejada, and F.J. Berry.  
*Journal of Physics: Condensed Matter* **2**, 6801-6806 (1990)

- 31) "Prediction of Crystal Structures from Crystal Chemistry Rules by Simulated Annealing"  
J. Pannetier, J. Bassas-Alsina, J. Rodríguez-Carvajal and V. Caignaert  
*Nature* **346**, 343-345 (1990)
- 32) "Oxygen excess and superconductivity at 45K in  $\text{La}_2\text{CaCu}_2\text{O}_{6+y}$ "  
A. Fuertes, X. Obradors, J.M. Navarro, P. Gómez-Romero, N. Casañ-Pastor, F. Pérez, J. Fontcuberta, C. Miravittles, J. Rodríguez-Carvajal and B. Martínez  
*Physica C* **170**, 153-160 (1990)
- 33) "Ferromagnetic Layers in  $\text{Y}_2\text{Cu}_2\text{O}_5$ : a Neutron Diffraction Study "  
J.L. García-Muñoz, J. Rodríguez-Carvajal, X. Obradors, M. Vallet-Regí, E. García and J. González-Calbet.  
*Physics Letters A* **149**(5,6), 319-327 (1990)
- 34) "Neutron Diffraction Study of the Magnetic Structure of  $\text{Er}_2\text{BaNiO}_5$ "  
J.A. Alonso, J. Amador, J.L. Martínez, I. Rasines, J. Rodríguez-Carvajal and R. Sáez-Puche.  
*Solid State Communications* **76**(4), 467-474 (1990)
- 35) "Study of the Spinodal Decomposition of a Fe-28Cr-2Mo-4Ni-Nb Stainless Steel by Small Angle Neutron Scattering"  
A. Isalgué, M. Anglada, J. Rodríguez-Carvajal and A. de Geyer.  
*Journal of Materials Science* **25**, 4977-4980 (1990).
- 36) "Neutron Diffraction Study on Structural and Magnetic Properties of  $\text{Pr}_2\text{NiO}_{4+\delta}$ "  
M.T. Fernández-Díaz, J. Rodríguez-Carvajal, J.L. Martínez, G. Fillion, F. Fernández and R. Saez-Puche.  
*Zeitschrift für Physik-Condensed Matter* **B 82**, 275-282 (1991)
- 37) "Magnetic Structures of the Mn(III) Weak Ferromagnets  $\text{AMnF}_4 \cdot \text{H}_2\text{O}$  (A=Rb and K)"  
F. Palacio, M. Andrés, J. Rodríguez-Carvajal and J. Pannetier  
*Journal of Physics: Condensed Matter* **3**, 2379-2390 (1991)
- 38) "Magnetic Phase Transitions in  $\text{Nd}_2\text{NiO}_4$ "  
X. Obradors, X. Batlle, J. Rodríguez-Carvajal, J.L. Martínez, M. Vallet, J. González-Calbet and J. Alonso"  
*Physical Review* **B 43**(13), 10451-10454 (1991)
- 39) "Neutron Diffraction Study on Structural and Magnetic Properties of  $\text{La}_2\text{NiO}_4$ "  
J. Rodríguez-Carvajal, M.T. Fernández and J.L. Martínez.  
*Journal of Physics: Condensed Matter* **3**, 3215-3234 (1991)
- 40) "Structural Characterization of  $\text{R}_2\text{BaNiO}_5$  (R=Tm, Yb). Polymorphic Phase Transition for R=Tm".  
A. Salinas-Sánchez, R. Sáez-Puche, J. Rodríguez-Carvajal and J.L. Martínez.  
*Solid State Communications* **78**, 481-488 (1991)

- 41) "Raman Scattering of Orthorhombic and Tetragonal  $\text{Ln}_2\text{NiO}_{4+\delta}$  (Ln=La, Pr, Nd) Oxides"  
A. de Andrés, M.T. Fernández-Díaz, J.L. Martínez, J. Rodríguez-Carvajal, R. Saez-Puche and F. Fernández  
*Journal of Physics: Condensed Matter* **3**, 3813-3823 (1991)
- 42) "Lattice Instability and Soft Mode Behaviour for the Low Temperature Phase Transition in  $\text{Pr}_2\text{NiO}_4$ "  
J.L. Martínez, M.T. Fernández-Díaz, J. Rodríguez-Carvajal and P. Odier.  
*Physical Review B* **43**(16), *Rapid Communications*, 13766-13769 (1991)
- 43) "Complex Magnetic Structures of the Rare Earth Cuprates  $\text{R}_2\text{Cu}_2\text{O}_5$  (R=Y, Ho, Er, Yb, Tm)"  
J.L. Garcia-Muñoz, J. Rodríguez-Carvajal, X. Obradors, M. Vallet-Regí, J. González-Calbet and M. Perras  
*Physical Review B* **44** (9), *Rapid Communications*, 4716-4719 (1991)
- 44) "Oxovanadium (IV) Hydrogenphosphate Hydrates: A Time-Resolved Neutron Powder Diffraction Study"  
Pedro Amorós, Rafael Ibáñez, Aurelio Beltrán, Daniel Beltrán, Amparo Fuertes, Pedro Gómez-Romero, Eduardo Hernández and Juan Rodríguez-Carvajal.  
*Chemistry of Materials* **3**, 407-413 (1991)
- 45) "Cation Stoichiometric  $\text{La}_2\text{CaCu}_2\text{O}_{6+y}$ : An Undoped Oxide Superconducting at 45K"  
A. Fuertes, X. Obradors, J.M. Navarro, P. Gómez-Romero, N. Casañ-Pastor, F. Pérez, J. Fontcuberta, C. Miravittles, J. Rodríguez-Carvajal and B. Martínez.  
*Ceramic Transactions* **18**, 129-136 (1991).
- 46) "Cation Distribution and Intrinsic Magnetic Properties of Co-Ti doped M-Type Barium Ferrite"  
X. Batlle, X. Obradors, J. Rodríguez-Carvajal, M. Pernet, M.V. Cabañas and M. Vallet.  
*Journal of Applied Physics* **70**(3), 1614-1623 (1991).
- 47) "Electron Microscopy, Neutron Diffraction and Physical Properties of  $\text{Bi}_4\text{Sr}_8\text{Cu}_5\text{O}_{19+y}$ "  
M.T. Caldés, J.M. Navarro, F. Pérez, M. Carrera, J. Fontcuberta, N. Casañ-Pastor, C. Miravittles, X. Obradors, J. Rodríguez-Carvajal, J.M. González-Calbet, M. Vallet-Regí, A. García and A. Fuertes.  
*Chemistry of Materials* **3**, 844-852 (1991)
- 48) "EXAFS and Raman Study of Stoichiometric and Oxidised  $\text{Ln}_2\text{NiO}_4$  (Ln: La, Pr, Nd)"  
C. Prieto, A. de Andrés, M. Medarde, J.L. Martínez, M.T. Fernández-Díaz, J. Rodríguez-Carvajal, R. Sáez-Puche and F. Fernández  
*Solid State Communications* **80** (12), 975-980 (1991)
- 49) "Crystal Structure of  $\text{La}_{1.85}\text{Ba}_{0.15}\text{CaCu}_2\text{O}_{6+y}$  Determined by Neutron Powder Diffraction"  
J.M. Navarro, A. Fuertes, P. Gómez-Romero and J. Rodríguez-Carvajal.  
*Solid State Communications* **81**(8), 677-681 (1992).

- 50) "Neutron Diffraction Study of Long-Range Atomic Order in Cu-Zn-Al Shape Memory Alloys"  
A. Planes, Ll. Mañosa, E. Vives, J. Rodríguez-Carvajal, M. Morin, G. Guénin and J.L. Macqueron.  
*Journal of Physics: Condensed Matter* **4**, 553-559 (1992)
- 51) "The Monoclinic Perovskite  $\text{La}_2\text{LiSbO}_6$ . A Rietveld Refinement of Neutron Powder Diffraction Data"  
M.L. López, M.L. Veiga, J. Rodríguez-Carvajal, F. Fernández, A. Jerez and C. Pico.  
*Materials Research Bulletin* **27**, 647-654 (1992)
- 52) "Observation of Magnetic Order in the Double-Layer System  $\text{La}_2\text{MCu}_2\text{O}_{6+\delta}$  (M=Ca, Sr)"  
E.J. Ansaldo, C. Niedermayer, H. Glückler, C.E. Stronach, T.M. Riseman, D.R. Noakes, X. Obradors, A. Fuertes, J. M. Navarro, P. Gómez, N. Casañ, B. Martínez, F. Pérez, J. Rodríguez-Carvajal, R.S. Cary, K. Chow.  
*Physical Review B* **46**(5), 3084-3088 (1992)
- 53) "Neutron Diffraction Study of  $\text{RNiO}_3$  (R=La, Pr, Nd, Sm). Electronically Induced Structural Changes Across the Metal-Insulator Transition"  
J.L. García-Muñoz, J. Rodríguez-Carvajal, P. Lacorre and J.B. Torrance.  
*Physical Review B* **46**(8), 4414-4425 (1992)
- 54) "Magnetic Dilution in the Strongly Frustrated Kagomé Antiferromagnet  $\text{SrGa}_{12-x}\text{Cr}_x\text{O}_{19}$ ."  
B. Martínez, F. Sandiumenge, A. Rouco, A. Labarta, J. Rodríguez-Carvajal, M. Tovar, S. Galí and X. Obradors.  
*Physical Review B* **46**(17), 10786-10792 (1992)
- 55) "Structural Characterization of  $\text{R}_2\text{BaCuO}_5$  (R=Y, Lu, Yb, Tm, Er, Ho, Dy, Gd, Eu and Sm) Oxides by X-Ray and Neutron Diffraction"  
A. Salinas-Sánchez, J.L. García-Muñoz, J. Rodríguez-Carvajal, R. Sáez-Puche and J.L. Martínez.  
*Journal of Solid State Chemistry* **100**, 201-211 (1992).
- 56) "Sudden Appearance of an Unusual Spin Density Wave at the Metal to Insulator Transition in  $\text{PrNiO}_3$  and  $\text{NdNiO}_3$  "  
J.L. García-Muñoz, J. Rodríguez-Carvajal and P. Lacorre.  
*Europhysics Letters* **20**(3), 241-247 (1992)
- 57) "Magnetic and Electrical Properties of  $\text{GdNi}_{1-x}\text{Cu}_x$  Compounds"  
J.A. Blanco, J.C. Gómez-Sal, J. Rodríguez-Fernández, D. Gignoux, D. Schmitt and J. Rodríguez-Carvajal.  
*Journal of Physics: Condensed Matter* **4**, 8233-8244 (1992)



- 58) "One-dimensional antiferromagnetic ordering for a novel nickel-antimony oxide"  
E. Ramos, F. Fernández, A. Jerez, C. Pico, J. Rodríguez-Carvajal, R. Sáez-Puche and M.L. Veiga.  
*Materials Research Bulletin* **27**, 1041-1047 (1992)
- 59) "RNiO<sub>3</sub> perovskites (R = Pr, Nd): Nickel Valence and the Metal-Insulator Transition Investigated by X-ray Absorption Spectroscopy".  
M. Medarde, A. Fontaine, J.L. García-Muñoz, J. Rodríguez-Carvajal, M. de Santis, M. Sacchi G. Rossi and P. Lacorre.  
*Physical Review B* **46**(23), 14975-14983 (1992)
- 60) "Structural Study of Phase Transformations in Ultrafine Zirconia Powders"  
E. Bernstein, M.G. Blanchin, J. Rodríguez-Carvajal and R. Ravelle-Chapuis.  
*Journal of Materials Science* **27**, 6519-6524 (1992)
- 61) "Magnetic Structure of Ho<sub>2</sub>BaNiO<sub>5</sub>"  
E. García-Matres, J. Rodríguez-Carvajal, J.L. Martínez, A. Salinas-Sánchez and R. Sáez-Puche.  
*Solid State Communications* **85**(7), 553-559 (1993)
- 62) "Structural Characterization and Polymorphism of R<sub>2</sub>BaNiO<sub>5</sub> (R=Nd, Dy, Y, Ho, Er, Tm and Yb) Studied by Neutron Diffraction"  
E. García-Matres, J.L. Martínez, J. Rodríguez-Carvajal, A. Salinas-Sánchez and R. Sáez-Puche.  
*Journal of Solid State Chemistry* **103**, 322-333 (1993)
- 63) "Metamagnetism in Single Crystal Pr<sub>2</sub>NiO<sub>4</sub>"  
M.T. Fernández-Díaz, J.L. Martínez, J. Rodríguez-Carvajal, J. Beille, B. Martínez, X. Obradors and P. Odier.  
*Physical Review B* **47**(10), 5834-5840 (1993)
- 64) "Surface Spin Canting in BaFe<sub>12</sub>O<sub>19</sub> Fine Particles"  
X. Batlle, X. Obradors, M. Medarde, J. Rodríguez-Carvajal, M. Pernet and M. Vallet-Regí.  
*Journal of Magnetism and Magnetic Materials* **124**, 228-238 (1993)
- 65) "Crystal and Magnetic Structures of RbMnF<sub>4</sub> and KMnF<sub>4</sub> by Neutron Powder Diffraction: Relationship between Structure and Magnetic Properties in the Mn<sup>3+</sup> Layered Perovskites AMnF<sub>4</sub> (A=Na, K, Rb, Cs)."  
M.C. Morón, F. Palacio and J. Rodríguez-Carvajal.  
*Journal of Physics: Condensed Matter* **5**, 4909-4928 (1993)
- 66) "Dehydration of MoO<sub>3</sub>·2H<sub>2</sub>O: A Neutron Thermodiffraction Study"  
N. Boudjada, J. Rodríguez-Carvajal, M. Anne and M. Figlarz.  
*Journal of Solid State Chemistry* **105**, 211-222 (1993)

- 67) "Crystallographic Study and Magnetic Structures of  $\text{CeNi}_x\text{Pt}_{1-x}$  and Diluted Related Compounds"  
J.C. Gómez-Sal, J.I. Espeso, J. Rodríguez Fernández, J.A. Blanco and J. Rodríguez-Carvajal.  
*Solid State Communications* **87**(9), 863-868 (1993)
- 68) "Synthesis of the Perovskite  $\text{La}_2\text{CuTiO}_6$  by the Ceramic, Oxide Precursors and Sol-Gel Methods. Study of the structure and the Cu-Ti Distribution by X-ray and Neutron Diffraction"  
María Rosa Palacín, Josep Bassas, Juan Rodríguez-Carvajal and Pedro Gómez-Romero.  
*Journal of Materials Chemistry* **3**(11), 1171-1177 (1993)
- 69) "Hole and Electron Doping of  $\text{R}_2\text{BaNiO}_5$  (R: Rare Earths)"  
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**LIST OF ARTICLES IN JOURNALS RESULTING FROM  
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