

LIST OF PUBLICATIONS

Juan Rodríguez-Carvajal

27 April 2022

Summary

Articles published as regular papers in journals	289
Articles in journals resulting from proceedings of congresses	109
Papers of conferences published in books, chapters of books, reports	61
Total number of papers	459
Current h-index: 54 (Web of Science), 72(Google Scholar)	
More than 26060 citations (Web of Science), ~ 40820 (Google Scholar).	

The 15 most cited papers, with more than 100 citations each (27 April 2023) in the Web of Science

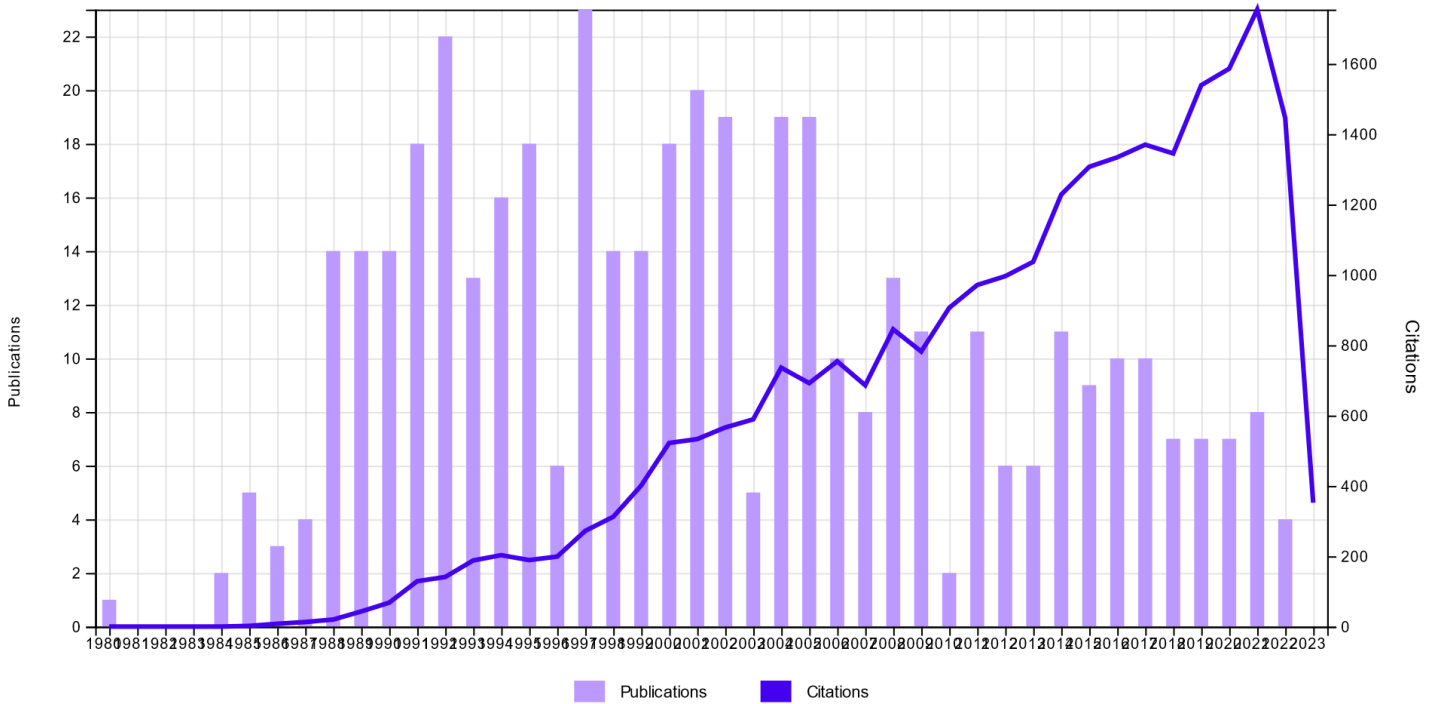
1: "Recent Advances in Magnetic Structure Determination by Neutron Powder Diffraction" Juan Rodríguez-Carvajal. <i>Physica B</i> 192 , 55-69 (1993)	Citations 11.926
2: "WinPLOT: a Windows tool for powder diffraction patterns analysis" T. Roisnel and J. Rodríguez-Carvajal. <i>Materials Science Forum</i> 378-381 , 118-123 (2001).	Citations 1.535
3: "Neutron Diffraction Study of the Jahn-Teller Transition in Stoichiometric LaMnO ₃ " J.Rodríguez-Carvajal, M. Hennion, F.Moussa, A.H. Moudden, L. Pinsard and A. Revcolevschi <i>Physical Review B</i> 57 , <i>Rapid Communications</i> , R3189-R3192 (1998)	Citations 623
4: "Neutron Diffraction Study of 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. <i>Physical Review B</i> 46 (8), 4414-4425 (1992)	Citations 457
5: "Neutron Diffraction Study on Structural and Magnetic Properties of La ₂ NiO ₄ ", J. Rodríguez-Carvajal, M.T. Fernández and J.L. Martínez. <i>Journal of Physics: Condensed Matter</i> 3 , 3215-3234 (1991)	Citations 426
6: "Spin waves in the antiferromagnet perovskite LaMnO ₃ : a neutron scattering study", F.Moussa, M. Hennion, J.Rodríguez-Carvajal, L. Pinsard and A. Revcolevschi <i>Physical Review B</i> 54 (21), 15149-15155 (1996)	Citations 315
7: "Electronic Crystallization in a Lithium Battery Material: Columnar Ordering of Electrons and Holes in the Spinel LiMn ₂ O ₄ .", J.Rodríguez-Carvajal, G. Rousse, C. Masquelier and M. Hervieu. <i>Physical Review Letters</i> 81 , 4660-4663 (1998).	Citations 298
8: "Magnetic structure of triphylite LiFePO ₄ and its delithiated form FePO ₄ ", G. Rousse, J. Rodríguez-Carvajal, S. Patoux, C. Masquelier. <i>Chemistry of Materials</i> 15 (21), 4082-4090 (2003).	Citations 287
9: "Zener Polaron Ordering in Half-Doped Manganites" A Daoud-Aladine, J. Rodríguez-Carvajal, L. Pinsard-Gaudart, M.T. Fernández-Díaz and A. Revcolevschi <i>Physical Review Letters</i> 89 (9), 097205 (2002).	Citations 272
10: "Structural Characterization of R ₂ 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. <i>Journal of Solid State Chemistry</i> 100 , 201-211 (1992).	Citations 271
11: "Spin structure and magnetic frustration in multiferroic RMn ₂ O ₅ (R=Tb, Ho, Dy)" G.R. Blake, L.C. Chapon, P.G. Radaelli, S. Park, N. Hur, S.-W. Cheong and J. Rodríguez-Carvajal. <i>Physical Review B</i> 71 , 214402 1-9 (2005).	Citations 245
12: "Liquidlike Spatial Distribution of Magnetic Droplets Revealed by Neutron Scattering in La _{1-x} Ca _x MnO ₃ ." M. Hennion, F.Moussa, G. Biotteau, J.Rodríguez-Carvajal, L. Pinsard and A. Revcolevschi <i>Physical Review Letters</i> 81 , 1957-1960 (1998).	Citations 215
13: "Prediction of crystal structure from crystal chemistry rules by simulated annealing" J. Pannetier, J. Bassas-Alsina, J. Rodríguez-Carvajal, V. Caignaert. <i>Nature</i> 346 (6282), 343-345 (1990).	Citations 198
14: "Magnetic Frustration and Lattice Dimensionality in SrCr ₈ Ga ₄ O ₁₉ ", X. Obradors, A. Labarta, A. Isalgué, J. Tejada, J. Rodríguez and M. Pernet. <i>Solid State Communications</i> 65 (3), 189-192 (1988)	Citations 188
15: "Neutron-Diffraction Study of the Magnetic-Ordering in the Insulating Regime of the Perovskites RNiO ₃ (R=Pr and Nd)", J. L. Garcia-Munoz, J. Rodríguez-Carvajal, and P. Lacorre. <i>Physical Review B</i> 50 (2), 978-992 (1994).	Citations 170

String for "Author" to be used in ISI Web of Science for *General Search* or *Cited Ref Search*:

AU=(Rodríguez-Carvajal J or RodriguezCarvajal J or "Carvajal JR" or ("Rodríguez J" and (Obradors or Pannetier or Paulus or GonzalezCalbet or "Fontcuberta J" or ValletRegi or Gali))), then eliminate management, biological and medical sciences. The time span should start at 1980 otherwise some wrong references may appear.













































Published items/Citations each year (27-April-2023, Web of Science)












































Publications 441 Total From 1900 to 2023	Citing Articles 22,231 Analyze Total 21,930 Analyze Without self-citations	Times Cited 26,064 Total 25,310 Without self-citations	59.1 Average per item 56 H-Index
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List of Journals according to Publons

Publications

 (50) Physical Review B WOS	 (39) Journal of Magnetism and Magneti... WOS
 (32) Physica B: Condensed Matter WOS	 (28) Acta Crystallographica Section A: ... WOS
 (24) Journal of Alloys and Compounds WOS	 (24) Journal of Physics: Condensed Ma... WOS
 (19) Journal of Solid State Chemistry WOS	 (18) Chemistry of Materials WOS
 (15) Physica C: Superconductivity and i... WOS	 (13) Solid State Communications WOS
 (12) Inorganic Chemistry WOS	 (9) Journal of Applied Physics WOS
 (9) Materials Research Bulletin WOS	 (7) Physical Review Letters WOS
 (6) Physical Review. B, Condensed Matter	 (5) Materials Science Forum
 (5) Solid State Ionics WOS	 (5) Solid State Sciences WOS
 (4) Acta Crystallographica Section B: St... WOS	 (4) European Journal of Solid State and Inorga...
 (4) IEEE Transactions on Magnetics WOS	 (4) Journal of Applied Crystallography WOS
 (4) Journal of the American Chemical S... WOS	 (4) Powder Diffraction WOS
 (3) Applied Physics A WOS	 (3) Chemistry - A European Journal WOS
 (3) Journal of Materials Chemistry	 (3) Journal of Materials Science WOS
 (3) Journal of Physics and Chemistry of... WOS	 (3) Zeitschrift für Physik B-Condensed Matter
 (3) Zeitschrift für Kristallographie - Crys... WOS	 (2) Crystal Lattice Defects and Amorphous Ma...
 (2) Dalton Transactions WOS	 (2) EPL (Europhysics Letters) WOS
 (2) Institute of Physics Conference Series	 (2) Journal De Physique
 (2) Journal De Physique Iv	 (2) Journal of Superconductivity
 (2) Journal of the Less-common Metals	 (2) Le Journal de Physique Colloques
 (2) Materials Research Society Symposium - P... WOS	 (2) The European Physical Journal B WOS
 (1) 5TH MEETING OF THE SPANISH NEUTRO...	 (1) ADVANCES IN FERRITES, VOLS 1 AND 2

 (1) Acta Crystallographica Section C: St... WOS	 (1) Advanced Ceramic Materials
 (1) Advanced Functional Materials WOS	 (1) Anales De Quimica Serie B-Quimica Inorga...
 (1) Angewandte Chemie International E... WOS	 (1) Applied Physics A Solids and Surfaces
 (1) Chemical Communications WOS	 (1) Comptes Rendus Physique WOS
 (1) Contribution of Symmetries in Condensed ...	 (1) Cryogenics WOS
 (1) Crystals WOS	 (1) EPDIC 7: EUROPEAN POWDER DIFFRACTI...
 (1) EUROPEAN POWDER DIFFRACTION, PTS 1...	 (1) Electrochemical and Solid State Letters
 (1) Faraday Discussions WOS	 (1) Frontiers in Physics WOS
 (1) Functionally Graded Materials VII	 (1) High-temperature Superconductors: Funda...
 (1) Hydrogen Bond Networks	 (1) Hyperfine Interactions
 (1) IUCrJ WOS	 (1) Intermetallics WOS
 (1) International Journal of Inorganic Materials	 (1) Journal of Materials Chemistry A WOS
 (1) Journal of Nuclear Materials WOS	 (1) Journal of Physics C-solid State Physics
 (1) Journal of Power Sources WOS	 (1) Low Temperature Physics WOS
 (1) Materials & Design WOS	 (1) Materials Chemistry and Physics WOS
 (1) Materials Research Express WOS	 (1) Nature WOS
 (1) Philosophical Magazine WOS	 (1) Philosophical Magazine Letters WOS
 (1) Physical Chemistry Chemical Physics WOS	 (1) Physics Letters A WOS
 (1) Powder Diffraction: Theory and Practice	 (1) SOLID-STATE IONICS-2008
 (1) Science WOS	 (1) Scientific Reports WOS
 (1) Scripta Metallurgica	 (1) The Journal of Physical Chemistry C WOS
 (1) Zeitschrift fur Anorganische und All... WOS	

LIST OF ARTICLES PUBLISHED AS REGULAR PAPERS IN JOURNALS (The publications with more than 50 citations in the Web of Science are highlighted)

Juan Rodríguez-Carvajal

- 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). **Citations 81**
- 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). **Citations 55**
- 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 Thermodiffraction Study"
J. Rodríguez, J.M. González Calbet, J.C. Grenier, J. Pannetier and M. Anne.
Solid State Communications **62**(4), 231-234 (1987) **Citations 80**

- 11) "Crystal Structure of Strontium Hexaferrite SrFe₁₂O₁₉"
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) **Citations 131**
- 12) "Magnetic Frustration and Lattice Dimensionality in SrCr₈Ga₄O₁₉"
X. Obradors, A. Labarta, A. Isalgué, J. Tejada, J. Rodríguez and M. Pernet.
Solid State Communications **65**(3), 189-192 (1988) **Citations 188**
- 13) "A Mössbauer Spectroscopy Study of the CaFe_xMn_{1-x}O_{3-y} Ferrites (0.2 ≤ x ≤ 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 SrFe_{12-x}Al_xO₁₉ solid solution"
F. Sandiumenge, S. Galí and J. Rodríguez
Materials Research Bulletin **23**(5), 685-692, (1988)
- 15) "Ba₂PrCu₃O₇: 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 Phase Transition in Stoichiometric La₂NiO₄"
J. Rodríguez-Carvajal, J. L. Martínez, J. Pannetier and R. Saez-Puche.
Physical Review B **38** (10), *Rapid Communications*, 7148-7151 (1988) **Citations 91**
- 17) "Perovskite Threefold Superlattices: A Structure Determination of the A₃M₃O₈ 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 Bi₄Sr₈Cu₅O_{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 CaFe_xMn_{1-x}O_{3-y} Ferrites. III. 0.5 ≤ x ≤ 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 BaCo₂Fe₁₆O₂₇ 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 Pr_2NiO_4 and Nd_2NiO_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. Hagemuller 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 Nd_2NiO_4 Oxide"
J. Rodríguez-Carvajal, M.T. Fernández-Díaz, J.L. Martínez, F. Fernández and R. Saez-Puche.
Europhysics Letters **11** (3), 261-268 (1990) **Citations 62**
- 26) "Crystal and Magnetic Structure of Bi_2CuO_4 "
J.L. García-Muñoz, J. Rodríguez-Carvajal, F. Sapiña, M.J. Sanchís, R. Ibáñez and D. Beltrán-Porter.
Journal of Physics: Condensed Matter **2**, 2205-2214 (1990) **Citations 52**
- 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 Li_2CuO_2 "
F.Sapiña, J. Rodríguez-Carvajal, M.J. Sanchis, R. Ibáñez, A. Beltrán and D. Beltrán
Solid State Communications **74**(8), 779-784 (1990) **Citations 121**

- 30) "Short-Range Antiferromagnetic Correlations in Spin-Glass-Like Iron Antimonate of Composition 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) **Citations 198**
- 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) **Citations 61**
- 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) **Citations 66**
- 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) "Structural and Magnetic Phase-Transitions in Pr_2NiO_4 "
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 Nd_2NiO_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 La_2NiO_4 "
J. Rodríguez-Carvajal, M.T. Fernández and J.L. Martínez.
Journal of Physics: Condensed Matter **3**, 3215-3234 (1991) **Citations 426**

- 40) "Structural Characterization of $R_2\text{BaNiO}_5$ (R=Tm,Yb). Polymorphism 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 Pr_2NiO_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 $R_2\text{Cu}_2\text{O}_5$ (R=Y, Ho, Er, Yb, Tm)"
J.L. Garcia-Muñoz, J. Rodríguez-Carvajal, X. Obradors, M. Vallet-Regí, J. González-Calbet and M. Parras
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). **Citations 152**
- 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 Ln_2NiO_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"
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