

MAURIZIO ENRICO CORTI: pubblicazioni

1. "27Al NMR Study of the Jahn-Teller Phase Transitions in PrAlO3".
F. Borsa, M. Corti, and A. Rigamonti.
J. Appl. Phys. 49, 1383 (1978).
2. "133Cs Quadrupole Perturbed NMR Study of Jahn-Teller-Phase Transitions in CsCuCl3".
M. Corti, A. Rigamonti and A. Magistris.
Phys. Stat. Sol. B 108, 29 (1981).
3. "Mixed Alkali Effects in γ -aluminas".
J. L. Bjorkstam, M. Villa, S. Aldrovandi, M. Corti, and J. S. Fryes).
In: *Nuclear and Electron Spectroscopies Applied to Material Sciences*, p. 295.
Eds. Kaufmann and Shenoy.
Elsevier North-Holland (1981).
4. "Dynamics of Random-site Interacting Dipoles in (K-Na)TaO3".
M. Corti, A. Rigamonti and U. T. Hochli.
Ferroelectrics 54, 57 (1984).
5. "Diffusion and Phononlike Excitations in Intercalated Graphite from 133Cs NMR and Relaxation".
F. Borsa, M. Corti, A. Rigamonti and S. Torre.
Phys. Rev. Letters 53, 2102 (1984).
6. "Un Metodo di NMR Risolta in Spazio per la Fisica dei Solidi".
M. Corti
Istituto Lombardo B 121, 65 (1987).
7. "Slice-Selection Method for Topical NMR in Solids".
M. Corti, F. Borsa and A. Rigamonti.
J. Magn. Res. 79, 21 (1988).
8. "NMR Relaxation of Polyacrylamide Gels around the Collapse Transition".
F. Tabak, M. Corti, A. Rigamonti and L. Pavesi.
J. Physics C 20, 5691 (1987).
- 1
9. "Magnetic Properties, Hyperfine Interactions and Spin Dynamics in the Layer Compounds CsVF4 and RbVF4".
J. Ziolo, F. Borsa, M. Corti, A. Rigamonti, M. Paleari and G. Spinolo.
J. Appl. Phys. 63, 3563 (1988).
10. "Nuclear Spin-Lattice Relaxation in Rhenium Metal".
C. Dimitropoulos, J. P. Bucher, F. Borsa and M. Corti.
Phys. Rev. B 39, 7232 (1989).

11. "139La and 45Sc NMR-NQR Study of La₂CuO₄ and Sc₂CuO₄".
J. Ziolo, F. Borsa, M. Corti, and A. Rigamonti.
Physica C 153, 725 (1988).
12. "NQR Relaxation in Superconducting 2D Magnetic Systems La_{2-x}Sr_xCuO_{4-y}".
A. Rigamonti, F. Borsa, M. Corti, T. Rega, J. Ziolo and G. Flor.
Il Vuoto. Vol. XVIII, 292 (1988); In: *Magnetic Resonance and Related Phenomena*,
p. 611 North-Holland (1989).
13. "Magnetic Correlations and 139La NQR Relaxation in La_{2-x}Sr_xCuO_{4-y}".
F. Borsa, M. Corti, T. Rega and A. Rigamonti.
Nuovo Cimento D 11, 1785 (1989).
14. "Magnetic Correlations and Antiferromagnetic Order in La_{2-x}Sr_xCuO₄".
F. Borsa, M. Corti, T. Rega, A. Rigamonti and J. Ziolo.
Helvetica Physica Acta Vol.62 n.6/7, 796 (1989).
15. "Magnetic Correlations and Spin Dynamics in La_{2-x}Sr_xCuO₄ from NQR Relaxation".
A. Rigamonti, F. Borsa, M. Corti, T. Rega, J. Ziolo and F. Waldner.
In: *Earlier and Recents Aspects of Superconductivity*, p. 441. Eds. J.G.Bednordz
and K. A. Muller.
Springer-Verlag (1990).
16. "11B Spin lattice Relaxation and Disorder Modes in Ionic Glassy Conductors
(AgI)_x(Ag₂O ϕ nB₂O₃)_{1-x}".
A. Avogadro, M. Corti, F. Tabak and F. Borsa.
Phys. Rev. B 41, 6137 (1990).
17. "Spatially Resolved NMR Study of Polymer Chains Mobility During the Swelling
Process".
F. Tabak and M. Corti
J. Chem. Phys. 92, 2673 (1990).
18. "63Cu Nuclear Quadrupole Resonance and Magnetic Phase Transition in CuO".
J. Ziolo, F. Borsa, M. Corti, A. Rigamonti and F. Parmigiani.
J.Appl.Phys. 67, 5864 (1990).
19. "63Cu and 139La NQR Relaxation and Superconducting Transition in La_{2-x}Sr_x
CuO₄".
F. Borsa, M. Corti, A. Rigamonti, T. Rega and J. Ziolo.
Physica C 166, 310 (1990).
20. "Spin-Dynamics, Localized Moments and Carriers from NQR Relaxation in La_{2-x}
Sr_xCuO₄".
F. Borsa, M. Corti and A. Rigamonti.
In: *High Temperature Superconductivity*, p. 56. Eds. C. Fedeghini and A.S. Siri
Word Scientific (1990).

21. "Deuterium-NMR Study of Microscopic Effects in Collapsing Polyacrylamide Gels".
L. Pavesi, M. Corti, A. Rigamonti and F. Tabak.
Phys. Rev. A 43, 6887 (1991).
22. "Nuclear Spin-Lattice Relaxation in the One Dimensional Ferrimagnet Mn(hfac)₂NiTiPr".
F. Ferraro, D. Gatteschi, R. Sessoli and M. Corti.
J. Am. Chem. Soc. 113, 8410 (1991).
23. "Magnetic Field Effect on ⁶³Cu Nuclear Relaxation Rates in YBa₂Cu₃O₇ and in La_{1.85}Sr_{0.15}CuO₄ above and below T_c".
F. Borsa, A. Rigamonti, M. Corti, J. Ziolo, Ok-Bae Hyun and D.R. Torgeson.
Phys. Rev. Lett. 68, 698 (1992).
24. "⁸⁹Y NMR Observations of Knight Shift Anisotropy and Motional Line Narrowing in YBa₂Cu₃O₇±".
P. Carretta and M. Corti.
Phys. Rev. Lett. 68, 1236 (1992).
25. "³⁵Cl NMR Study of Spin Dynamics in Sr₂CuO₂Cl₂".
F. Borsa, M. Corti, T. Goto, A. Rigamonti, D.C. Johnston and F. C. Chou.
Phys. Rev. B 45, 5756 (1992).
26. "Magnetic Properties of High T_c Superconductors from NQR and NMR Measurements".
F. Borsa, P. Carretta, M. Corti, and A. Rigamonti.
Appl. Magn. Res. 3, 509 (1992).
27. "NMR-NQR Evidence on the Independence of T_c of the Spin-Fluctuations Properties in YBa₂Cu₄O₈ and YBa₂Cu₃O₇±".
P. Carretta, M. Corti, A. Rigamonti, R. De Renzi, F. Licci, C. Paris, L. Bonoldi, M. Sparpaglione and L. Zini.
Physica C 191, 97, (1992).
28. "Diffusion and Spatially Resolved NMR in Berea and Venezuelan Oil Reservoir Rocks".
J. Murgich, M. Corti, L. Pavesi and F. Voltini.
Magn. Res. Imag. 10, 843 (1992).
29. "Effects of Ni to Cu Substitution in La₂CuO₄ from ¹³⁹La NQR and Relaxation".
A. Rigamonti, J. Choisnet, M. Corti, K.O. Khutsishvili and T. Rega.
In: Electronic Properties of High-T_c Superconductors, p. 200. Eds. H. Kuzmany, M. Mehring and J. Fink.
Springer-Verlag (1993)
30. "Vortex Lattice and Vortex Motion in YBa₂Cu₃O₇± and YBa₂Cu₄O₈ Superconductors from ⁸⁹Y NMR".

P. Carretta and M. Corti.

In: Electronic properties of High-Tc Superconductors, p. 175. Eds. H. Kuzmany, M. Mehring and J. Fink. Springer-Verlag (1993)

31. "Effects of Charge Defects on the Cu²⁺ Spin Dynamics in Li⁺-Doped CuO from Nuclear Relaxation".

P. Carretta, M. Corti, A. Rigamonti and F. Parmigiani.
J. of Phys. C 5, B83 (1993)

32. "Spin Dynamics in CuO and Cu_{1-x}Li_xO from ⁶³Cu and ⁷Li Nuclear Relaxation".

P. Carretta, M. Corti, and A. Rigamonti.
Phys. Rev. B 48, 3433 (1993)

33. "Proton NMR Relaxation in Highly Conducting Polyanilines".

L. Pavesi, S. Aldrovandi and M. Corti.
J. of Phys. C 5, B25 (1993).

34. "Spin Dynamics in CuO and in La₂CuO₄ under Charge and Spin Substitutions from NQR-NMR Relaxation".

P. Carretta, M. Corti, A. Lascialfari, F. Borsa and A. Rigamonti.
Physica C 209, 121 (1993).

35. "⁸⁷/⁸⁵Rb NMR Spectra and Relaxation in Rb₃C₆₀".

M. Corti.
Physica C 211, 299 (1993).

36. "¹³⁹La NQR and Relaxation in Zn-doped La₂CuO₄".

M. Corti, A. Lascialfari, A. Rigamonti, F. Tabak, F. Licci and L. Raffo.
J. Appl. Phys. 75, 7143 (1994)

37. "³⁵Cl NMR Study of Magnetic Ordering in Sr₂CuO₂Cl₂ Single Crystal".

M. Corti, F. Borsa, L. L. Miller and A. Rigamonti.
J. Appl. Phys. 75, 7146 (1994)

38. "Zn-doped La₂CuO₄ from ¹³⁹La NQR Relaxation and ¹SR".

M. Corti, A. Rigamonti, F. Tabak, P. Carretta, F. Licci and L. Raffo.
Physica C 235-240, 1719 (1994)

39. "Flux Lines Motions in YBa₂Cu₃O₇ from ⁸⁹Y NMR experiments".

F. Borsa, P. Carretta, F. Cintolesi, M. Corti, A. Rigamonti, B.J. Suh and D.R. Torgeson.
Physica C 235-240, 2629 (1994)

40. "Proprieta' Microscopiche del Rubidio Fullerene: Uno Studio NMR di ⁸⁷Rb in Rb₃C₆₀".

M. Corti
Istituto Lombardo B 128, 367 (1994).

41. "An Overview on Recent NMR-NQR Studies of High T_c Superconductors and of their Precursor AF".
A. Rigamonti, S. Aldrovandi, F. Borsa, P. Carretta, F. Cintolesi, M. Corti, and S. Rubini.
Nuovo Cimento 16 D, 1743 (1994).
42. " ^{139}La NQR Relaxation and ^1SR Study of $\text{La}_2\text{Cu}_{1-x}\text{Zn}_x\text{O}_4$ ".
M. Corti, F. Raffa, A. Rigamonti, F. Tabak, P. Carretta, F. Licci, L. Raffo.
Nuovo Cimento 16 D, 1793 (1994).
43. "Motions of the Flux Lines in High T_C Superconductors from NMR Line Width, Relaxation and Spin Echo Dephasing".
F. Borsa, P. Carretta, F. Cintolesi, M. Corti, A. Rigamonti, J.B. Shu and R.D. Torgeson.
App. Mag. Res. 9, 149 (1995).
44. " ^{139}La NQR Relaxation and ^1SR Study of Zn-doping effects in La_2CuO_4 ".
M. Corti, A. Rigamonti, F. Tabak, P. Carretta, F. Licci and L. Raffo.
Phys. Rev. B 52, 4226 (1995).
45. " ^{11}B NMR and Relaxation Study of Boron Nitride".
M. Fanciulli and M. Corti.
Phys. Rev. B 52, 11872 (1995).
46. "NMR Investigation of $\text{Mn}(\text{hfac})_2\text{NiTiPr}$: Evidence of non-linear Excitations in a One-Dimensional Ferrimagnet".
F. Ferraro, D. Gatteschi, A. Rettori and M. Corti.
Molecular Phys. 85, 1073 (1995).
47. "Spin Correlation and Magnetic Field Effects in the Weakly Anisotropic Squarelattice Antiferromagnet $\text{Sr}_2\text{CuO}_2\text{Cl}_2$ ".
B.J. Suh, F. Borsa, L.L. Miller, M. Corti, D.C. Johnston and D.R. Torgeson.
Phys. Rev. Lett. 75, 2212 (1995).
48. "Spin and Charge Dynamics in Lightly Doped CuO and La_2CuO_4 from NMR, NQR and ^1SR ".
F. Borsa, P. Carretta, F. Cintolesi, M. Corti, A. Lascialfari, A. Rigamonti, F.C. Chou and D.C. Johnston.
J. of Low Temp. Phys. 99, 187 (1995).
49. "Thermal and Field Driven Excitations of the Flux Lines in High- T_C Superconductors from NMR Experiments"
M. Corti
In: "High- T_c Superconductivity: Models and Measurements", Ed. M. Acquarone.
World Scientific, Singapore (1996), p. 529.
50. " ^7Li NMR Spectra and Relaxation in $\text{Ni}_{1-x}\text{Li}_x\text{O}$ ".

- M. Corti, S. Marini, A. Rigamonti, V. Massarotti and D. Capsoni
J. Appl. Phys. 79, 6621 (1996).
51. "Susceptibility and 89Y NMR and Relaxation in $\text{Y}_{1-x}\text{Ca}_x\text{VO}_3$ ".
F. Cintolesi, M. Corti, A. Rigamonti, G. Rossetti, P. Ghigna, A. Lascialfari.
J. Appl. Phys. 79, 6624 (1996).
52. "Evidence for Crossover Effects in the Spin Dynamics of the 2D Antiferromagnet $\text{Sr}_2\text{CuO}_2\text{Cl}_2$ from 35Cl NMR".
B.J. Suh, F. Borsa, L.L. Miller, D.C. Johnston, D.R. Torgeson and M. Corti.
J. Appl. Phys. 79, 5084 (1996).
53. "Thermal Depinning of Flux-Lines in $\text{HgBa}_2\text{CuO}_{4\pm z}$ from 199Hg Spin-Lattice relaxation"
B.J. Suh, F. Borsa, J. Sok, D.R. Torgeson, M. Corti, A. Rigamonti, Q. Xiong.
Phys. Rev. Lett. 76, 1928 (1996).
54. "Flux Lines dynamics in YBaCu_4O_8 from 89Y NMR"
M. Corti, B.J. Suh, F. Tabak, A. Rigamonti, F. Borsa, M. Xu, B. Dabroski.
Phys. Rev. B 54, 9469 (1996).
55. "Overview of Recent Magnetic Studies of High T_c Cuprate Parent Compounds and Related Material"
D.C. Johnston, T. Ami, F. Borsa, M. Corti, et al.
In: *Recent Developments in HTcSC*, eds.. J. Klamut et al
Springer-Verlag, Berlin (1996), p. 61-82.
56. "Magnetic and Structural Properties and Phase Diagrams of $\text{Sr}_2\text{CuO}_2\text{Cl}_2$ and Lightly-doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4\pm z}$ "
D.C. Johnston, F. Borsa, J.H. Cho, L.L. Miller, B.J. Suh, D.R. Torgeson,
P. Carretta, M. Corti, A. Lascialfari, R.J. Gooding, N.M. Salem, K.J.E. Vos
and F.C. Chou.
In: *Proc. of the 10th Anniversary HTS Workshop on Physics, Material and Applications*, Eds. B. Batlogg et al.
World Scientific, Singapore (1996), p. 373-376.
57. "Magnetic Properties of YVO_3 from Susceptibility and 89Y NMR Measurements".
M. Corti, F. Cintolesi, A. Lascialfari, A. Rigamonti, and G. Rossetti.
J. Appl. Phys. 81, 5286 (1997).
58. "Magnetic Properties of Single-Layer Cuprates"
D.C. Johnston, F. Borsa, P. Carretta, J.H. Cho, F.C. Chou, M. Corti, R.J. Gooding,
E. Lai, A. Lascialfari, L.L. Miller, N.M. Salem, B.J. Suh, D.R. Torgeson, D.
Vaknin, J.E. Vos, and J.L. Zarestky.
In: *Proc. of Nato Advanced Study Institute on 'Material Aspects of HTc Superconductivity: 10 Years after the Discovery'*
Klewer, Dordrecht (1997), p. 198.
59. "Thermal Depinning and Motions of the Flux Lines in $\text{YBa}_2\text{Cu}_4\text{O}_8$ from NMR

Experiments”

F. Borsa, P. Carretta, M. Corti, K. Nehrke, A. Rigamonti and F. Tabak.
Nuovo Cimento 19D, 1199 (1997).

60. ”Spin Dynamics in Charge Doped AF’s: a ${}^7\text{Li}$ NMR Study in $\text{Ni}_{1-x}\text{Li}_x\text{O}$ ”.
F. Tedoldi, S. Marini, and M. Corti.
Nuovo Cimento 19D, 1185 (1997).

61. ”Thermal Fluctuations of the Flux Lines and Nuclear Relaxation”
F. Borsa, P. Carretta, M. Corti, A. Rigamonti, and B. J. Suh.
Physica C 282-287, 359 (1997).

62. ”Spin Dynamics in Hole-Doped NiO from ${}^7\text{Li}$ NMR in $\text{Ni}_{1-x}\text{Li}_x\text{O}$ ”.
M. Corti, S. Marini, A. Rigamonti, F. Tedoldi, D. Capsoni, and V. Massarotti.
Phys. Rev. B 56, 11056 (1997).

63. ” ${}^{85};{}^{87}\text{Rb}$ NMR Relaxation Rates T_1 and T_2 in Rb_3C_{60} , at various Fields, in the Normal and in the Superconducting Phases”.
M. Corti, F. Tabak, and M. Ricco’.
Molecular Physics Report 19, 107 (1997).

64. ” ${}^{19}\text{F}$ NMR as a Probe of Flux-Line Motion in Fluorinated $\text{YBa}_2\text{Cu}_4\text{O}_8$ ”
M. Corti, F. Tabak, K. Nehrke, B.N. Wani, and L.L. Miller.
Physica C 291, 297 (1997).

65. ”Magnetic Properties and Spin Dynamics in Hole-doped $S=1$ AF Chain: ${}^{89}\text{Y}$ NMR and Susceptibility in $\text{Y}_2\text{CaxBaNiO}_5$ ”
F. Tedoldi, C. Brugna, M. Corti, A. Lascialfari, A. Rigamonti, D. Capsoni, V. Massarotti.
J. Appl. Phys. 83, 6605 (1998).

66. ”Spin Dynamics in $S=1/2$ Chains and Ladders from NMR and Susceptibility Measurements in $\text{Sr}_{14-x}\text{Na}_x\text{Cu}_24\text{O}_41$ ”
P. Carretta, M. Corti, P. Ghigna, A. Lascialfari.
J. Appl. Phys. 83, 6602 (1998).

67. ”Thermal Depinning and Motions of the Flux lines in $\text{YBa}_2\text{Cu}_4\text{O}_8$ from ${}^{89}\text{Y}$ T_1 and Echo Dephasing”.
M. Corti, F. Borsa, P. Carretta, A. Rigamonti, F. Tabak.
Adv. Science and Technology 23, 577 (1999).

68. ”Vibrational Pseudo-Diffusive Motion of the Oxygen Octahedra in La_2CuO_4 and Sr Doped La_2CuO_4 from Anelastic and ${}^{139}\text{La}$ NQR Relaxation”
F. Cordero, A. Campana, M. Corti, A. Rigamonti, R. Cantelli, M. Ferretti.
Int. J. Mod. Phys. B 13, 1079 (1999).

69. ”Spin Dynamics and Energy Gap of a Fe Dimer from Susceptibility and ${}^1\text{H}$ NMR”
A. Lascialfari, F. Tabak, G.L. Abbati, F. Borsa, M. Corti, D. Gatteschi.

J. Appl. Phys. 85, 4539 (1999).

70. "Tilt-wave Dynamics of the Oxygen Octahedra in La_2CuO_4 from Anelastic and ^{139}La NQR Relaxation".

F. Cordero, R. Cantelli, M. Corti, A. Campana, and A. Rigamonti.
Phys. Rev. B59, 12078 (1999).

71. " ^{29}Si NMR Spectra and Relaxation in $^2\text{-FeSi}$ "

M. Corti, M. Fanciulli, F. Tabak.
J. App. Phys. 87, 6280 (2000).

72. " ^{89}Y and ^{63}Cu NMR-NQR and Susceptibility Study of Underdoped Superconducting $\text{Y}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_{6+1}$ ".

A. Campana, P. Carretta, M. Corti, A. Lascialfari, F. Licci, and A. Rigamonti.
Int. J. of Modern Phys. B 14, 2797 (2000).

73. "Anelastic and ^{139}La NQR Relaxation Study of La_2CuO_4 Around the Critical Sr Content $x=0.02$ "

A. Campana, R. Cantelli, F. Cordero, M. Corti, and A. Rigamonti.
Int. J. of Modern Phys. B 14, 2749 (2000).

74. "Vibrational Pseudo-Diffusive Motion of the Oxygen Octahedra in La_2CuO_4 from Anelastic and ^{139}La NQR Relaxation"

F. Cordero, G.R. Grandini, R. Cantelli, A. Rigamonti, M. Corti, A. Campana.
In: *Stripes and Related Phenomena*, Eds. Bianconi and Saini
Kluwer Academic New York, 279 (2000).

75. "Anelastic Relaxation and ^{139}La NQR in La_2CuO_4 Around the Critical Sr Content $x=0.02$ "

A. Campana, R. Cantelli, F. Cordero, M. Corti, and A. Rigamonti.
Europ. Physics J. B 18, 49 (2000).

76. "Principi di Risonanza Magnetica Nucleare"

M. Corti

In: *Tecniche di Tomografia Computerizzata e di Risonanza Magnetica nella Diagnostica per Immagini*, Eds. L. Cei, M. Baluce, A. La Fianza.
Societa' Editrice Universo, Roma (2001), p. 227-255.

77. " ^{29}Si NMR and spectra and relaxation in $\epsilon\text{-FeSi}$ "

M. Corti, S. Aldrovandi, M. Fanciulli, F. Tabak

Biennial Report, 120-122 (2002-03), MDM- INFM National Laboratory (Materials and Devices for Microelectronics)

78. " $^{69,71}\text{Ga}$ NMR Spectra and Relaxation in Wurtzitic GaN"

M. Corti, A. Gabetta, M. Fanciulli, A. Svane, N.E. Christensen.

Biennial Report, 118-120 (2002-03), MDM- INFM National Laboratory (Materials and Devices for Microelectronics)

79. “ $^{69,71}\text{Ga}$ NMR Spectra and Relaxation in Wurtzitic GaN”
M. Corti, A. Gabetta, M. Fanciulli, A. Svane and N.E. Christensen.
Phys. Rev. B 67, 064416 (2003)
80. “On the coexistence of superconductivity and spin-freezing mechanism in underdoped cuprates”
A. Rigamonti, M. Eremin, A. Campana, P. Carretta, M. Corti, A. Lascialfari and P. Tedesco
Intern. Journal of Modern Phys. B 17, 861-866 (2003)
81. “Anelastic spectroscopy and NQR relaxation in Sr doped La_2CuO_4 around the percolation threshold”
A. Paolone, R. Cantelli, F. Cordero, M. Corti, A. Rigamonti and M. Ferretti
Intern. Journal of Modern Phys. B 17, 512-520 (2003)
82. “ ^{29}Si NMR and relaxation in FeSi”
M. Corti, S. Aldrovandi, M. Fanciulli, F. Tabak
Phys. Rev. B 67, 172408 (2003)
83. “ ^7Li NMR in the hexairon(III) antiferromagnetic molecular ring $\text{Fe}_6\text{:Li}$ ”
A. Lascialfari, F. Borsa, M. Corti, E. Micotti, Y. Furukawa, A. Cornia, D. Gatteschi
J. Appl. Phys. 95, 6879 (2004)
84. “High Temperature correlated spin dynamics in FeSi from ^{29}Si NMR relaxation”
M. Corti, S. Aldrovandi, M. Fanciulli, F. Tabak
J. Mag. Mag. Mater. 272-276, 112 (2004)
85. “Polar and non-polar atomic motions in the relaxor ferroelectric PLZT from dielectric, anelastic and NMR relaxation”
F. Cordero, M. Corti, F. Craciun, C. Galassi, D. Piazza and F. Tabak
Phys. Rev. B 71 (9), 094112 (2005)
86. “Low-energy spin excitations in $\text{Mn}_3\times 3$ molecular nanomagnets”
M. Corti, M. Filibian, P. Carretta, L. Zhao, L.K. Thompson
Phys. Rev. B 72 (6), 064402 (2005)
87. “Capillary blood viscosity in microcirculation”
A. Cortinovis, A. Crippa, R. Cavalli, M. Corti, L. Cattaneo
Clinical Hemorheology and Microcirculation 35, 183-192 (2006).
88. “Low-energy spin dynamics in the giant keplerate molecule $\{\text{Mo}_7\text{Fe}_{30}\}$: A muon spin relaxation and ^1H NMR investigation”
J. Lago, E. Micotti, and M. Corti, A. Lascialfari, A. Bianchi, S. Carretta, P. Santini, D. Procissi, S. H. Baek, and P. Kögerler, C. Baines and A. Amato
Phys. Rev. B 76, 064432 (2007)
89. “Spin dynamics in a weakly itinerant magnet from ^{29}Si NMR in MnSi ”
M. Corti, F. Carbone, M. Filibian, Th. Jarlborg, A. A. Nugroho, and P. Carretta
Phys. Rev. B 75, 115111 (2007)

90. "Local spin dynamics in magnetic molecular chains studied by NMR and μ SR"
M. Mariani, S. Aldrovandi, M. Corti, J. Lago, A. Lascialfari, E. Micotti, A. Rettori, F. Cinti, A. Amato, C. Baines, L. Bogani, A. Caneschi, S.P. Cottrell, D. Gatteschi
Inorg. Chim. Acta 360 (2007), 3903–3908. (ISSN: 0020-1693)
91. "Basic concepts of Magnetic Resonance Imaging"
M. Corti, A. Lascialfari
In: "NMR-MRI, μ SR and Mossbauer Spectroscopies in Molecular Nanomagnets"
Eds: P. Carretta and A. Lascialfari. Springer-Verlag Italia (2007) pp: 89-110.
92. "One-Pot Synthesis and Characterization of Size-Controlled Bimagnetic FePt-Iron Oxide Heterodimer Nanocrystals"
A. Figuerola, A. Fiore, R. Di Corato, A. Falqui, C. Giannini, E. Micotti, A. Lascialfari, M. Corti, R. Cingolani, T. Pellegrino, P. D. Cozzoli and L. Manna
J. Am. Chem. Soc., 130, 1477-1487 (2008)
93. "Cyano-Bridged Coordination Polymer Nanoparticles as High Relaxivity Contrast Agent for MRI"
Y. Guari, J. Larionova, M. Corti, A. Lascialfari, M. Marinone, G. Poletti, K. Molvinger, and C. Guérin.
Dalton Transactions, 3658 (2008)
94. "Magnetic properties of novel superparamagnetic MRI contrast agents based on colloidal nanocrystals"
M. Corti, A. Lascialfari, E. Micotti, A. Castellano, M. Donativi, A. Quarta, P. D. Cozzoli, L. Manna, T. Pellegrino
J. Mag. Mag. Mater., 320, E320 (2008)
95. "Magnetic and relaxometric properties of polyethylenimine-coated superparamagnetic MRI contrast agents"
M. Corti, A. Lascialfari, M. Marinone, A. Masotti, E. Micotti, F. Orsini, G. Ortaggi, G. Poletti, C. Innocenti, C. Sangregorio.
J. Mag. Mag. Mater., 320, E316(2008)
96. "Local spin dynamics in doped Cobalt(II)-radical magnetic chains studied by ^1H NMR"
M. Mariani, S. Aldrovandi, M. Corti, A. Lascialfari, L. Bogani, A. Caneschi, R. Sessoli
Inorg. Chim. Acta., 361, 4107 (2008)
97. "Magnetic and relaxometric properties of Mn-ferrites"
A. Boni, M. Marinone, C. Innocenti, C. Sangregorio, M. Corti, A. Lascialfari, M. Mariani, F. Orsini, G. Poletti, M.F. Casula.
J. Phys. D.: Appl. Phys., 41, 13421 (2008)
98. "Broadband Electron Spin Resonance at Low Frequency Without Resonant Cavity"
F. Borsa, M. Corti, L. Cattaneo, and D. Hajny, Z. H. Jang, B. J. Suh, M. Luban
Rev. Sci. Instrum. 79, 46101 (2008)
99. "A semi-automatic apparatus for the determination of hemorheological parameters for clinical use"
A. Cortinovis, A. Crippa, M. Corti, L. Cattaneo
Istituto lombardo di Scienze e Lettere B139, 121 (2005)

100. "Magnetic and Relaxometric Properties of Novel Classes of Superparamagnetic MRI Contrast Agents"
M. Corti, A. Lascialfari, E. Micotti
Istituto lombardo di Scienze e Lettere B141, 119 (2007)
101. "Synthesis and Characterization of Polyethylenimine-based Iron Oxide Composites as Novel Contrast Agents for MRI"
A. Masotti, A. Pitta, E. Picchi, G. Ortaggi, M. Corti, A. Lascialfari, M. Marinone, P. Marzola, E. Micotti, F. Orsini, G. Poletti, C. Sangregorio
MAGNETIC RESONANCE MATERIALS IN PHYSICS BIOLOGY AND MEDICINE Volume: 22 Issue: 2 Pages: 77-87 (2009)
102. "Superconducting properties of a textured NbN film from ^{93}Nb NMR relaxation and magnetization measurements"
Lascialfari A, Rigamonti A, Bernardi E, Corti M, et al.
PHYSICAL REVIEW B Volume: 80 Issue: 10 Article Number: 104505 (2009)
103. "MRI relaxation properties of water-soluble apoferritin-encapsulated gadolinium oxide-hydroxide nanoparticles"
Sanchez P, Valero E, Galvez N, Corti M, et al.
DALTON TRANSACTIONS Issue: 5 Pages: 800-804 (2009)
104. "Magnetic Resonance Imaging Contrast Agents Based on Iron Oxide Superparamagnetic Ferrofluids"
Casula M.F, Floris P, Innocenti C, Corti M, et al.
CHEMISTRY OF MATERIALS Volume: 22 Issue: 5 Pages: 1739-1748 (2010)
105. "Bovine Serum Albumin-Based Magnetic Nanocarrier for MRI Diagnosis and Hyperthermic Therapy: A Potential Theranostic Approach Against Cancer"
Franchini M.C, Baldi G, Bonacchi D, Corti M, et al.
SMALL Volume: 6 Issue: 3 Pages: 366-370 (2010)
106. "Phonon-induced relaxation in the Cr_7Ni magnetic molecule probed by NMR"
Author(s): Bianchi A, Carretta S, Santini P, Corti M, et al.
PHYSICAL REVIEW B Volume: 82 Issue: 13 Article Number: 134403 (2010)
107. "Nuclear magnetic resonance study of Gd-based nanoparticles to tag boron compounds in boron neutron capture therapy"
Corti M, Bonora M, Borsa F, et al.
JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 7 Article Number: 07B302, APR 1 (2011)
108. "Magnetic/Silica Nanocomposites as Dual-Mode Contrast Agents for Combined Magnetic Resonance Imaging and Ultrasonography"
Malvindi M A, Greco A, Conversano F, Figuerola A, Corti M, Bonora M, Lascialfari A, Amiri H, Moscardini M, et al,
ADVANCED FUNCTIONAL MATERIALS 21, 2548–2555 (2011)

109. "Ground state of the magnetic molecule {V6} determined by broadband electron spin resonance at low frequency"
M. Corti, L. Cattaneo, M. C. Mozzati, F. Borsa, Z. H. Jang, and X. Fang
JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 7 Article Number: 07B104 (2011)
110. "1H and 10B NMR and MRI Investigation of Boron and Gadolinium-Boron Compounds in BNCT".
Bonora M, Corti M, Borsa F, et al.
APPLIED RADIATION AND ISOTOPES 69, 1702-1705 (2011).
111. "Magnetic and Relaxation Properties of Multifunctional Polymer-Based Nanostructured Bioferrofluids as MRI Contrast Agents"
H. Amiri, R. Bustamante, A. Millan, N.J.O. Silva, R. Pinol, L. Gabilondo, F. Palacio, P. Arosio, M. Corti, A. Lascialfari.
Magnetic Resonance in Medicine 66, 1715-1721 (2011), doi: 10.1002/mrm.22959
112. "New Frontiers for Astrocytic Tumours"
Rosanna Nano, Alessandro Lascialfari, Maurizio Corti, Alessandro Paolini, Francesca Pasi, Franco Corbella, Riccardo Di Liberto.
ANTICANCER RESEARCH 32; 2755-2758 (2012).
113. "Magnetic, optical and relaxometric properties of organically coated gold–magnetite (Au–Fe₃O₄) hybrid nanoparticles for potential use in biomedical applications "
E. Umut, F.Pineider, P.Arosio, C.Sangregorio, M.Corti, F.Tabak, A.Lascialfari, P.Ghigna
J. Magn. Mater. 324, 2373 (2012)