

CURRICULUM VITAE



INFORMAZIONI PERSONALI

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Nazionalità	
Data di nascita	

ESPERIENZE LAVORATIVE

- | | |
|---|--|
| • Date (da – a) | 01-02-1989 - oggi |
| • Nome e indirizzo del datore di lavoro | Università Studi di Trento - via Belenzani |
| • Tipo di azienda o settore | Università |
| • Tipo di impiego | Ricercatore – assistente alla didattica |
| • Principali mansioni e responsabilità | Area Ricerca e Didattica - Responsabile di due laboratori: Raman e Brillouin |

ISTRUZIONE E FORMAZIONE

- | | |
|---|---|
| • Date (da – a) | 1979 - 1985 |
| • Nome e tipo di istituto di istruzione o formazione | Università Studi di Trento Facoltà di Scienze Mat. Fis. e Nat. Laurea in Fisica |
| • Principali materie / abilità professionali oggetto dello studio | Fisica Sperimentale nel campo della Spettroscopia Ottica |
| • Qualifica conseguita | Laurea in Fisica (110 e lode) |
| • Date (da – a) | 1974 - 1979 |
| • Nome e tipo di istituto di istruzione o formazione | Liceo Scientifico “ G. Fra castoro” (Vr) |
| • Principali materie / abilità professionali oggetto dello studio | |
| • Qualifica conseguita | Diploma (56/60) |

CAPACITÀ E COMPETENZE PERSONALI

MADRELINGUA	italiana
ALTRE LINGUE	inglese
	francese

PUBBLICAZIONI

- 1) *G.Mariotto, M.Montagna, F.Rossi*
 "Thermal shift and broadening of the $^2E-^4A_2$ zero phonon lines in beta-alumina: Cr^{3+} crystals"
J. de Physique **C7**, 343 (1985)
- 2) *G.Mariotto, M.Montagna, F.Rossi*
 "Luminescence of Cr^{3+} in beta alumina crystals"
Sol. State Ionics **18/19**, 636 (1986)
 Proceedings of the 5th Int. Conf. on Solid State Ionics, Lake Tahoe (USA) 1985
- 3) *G.Mariotto, M.Montagna, F.Rossi*
 "Spectroscopy of sodium-beta-alumina: Cr^{3+} "
J. of Physics **C19**, 3029 (1986)
- 4) *G.Mariotto, M.Montagna, F.Rossi*
 "Luminescence of Cr^{3+} ions in mixed Na^+-Cd^{2+} beta-alumina crystals"
Phys. Rev. B **34**, 6126 (1986)
- 5) *M.Montagna, G.Mariotto and F.Rossi*
 "Low-temperature homogeneous linewidth of the $^2E-^4A_2$ transition of Cr^{3+} in silver beta alumina"
J. of Luminescence **40/41**, 183 (1988)
 Proceeding of the 1987 Int. Conference on Luminescence, Beijing 1987
- 6) *G.Mariotto, M.Montagna and F.Rossi*
 "Spectroscopy of sodium β -alumina: Cr^{3+} "
Solid State Ionics **28-30**, 311 (1988)
 Proceedings of the 6th Int. Conf. on Solid State Ionics, Garmisch 1987
- 7) *G.Mariotto, M.Montagna and F.Rossi*
 "Temperature dependence of homogeneous spectral widths of the $^2E-^4A_2$ transition of Cr^{3+} in silver β -alumina"
Phys. Rev. B **38**, 1072 (1988)
- 8) *G.Mariotto, M.Montagna, F.Rossi*
 "A comparative analysis of the luminescence of Cr^{3+} ion in sodium beta and beta"-alumina crystals"
Solid State Ionics **40/41**, 328 (1990)
- 9) *G.Mariotto, M.Montagna, F. Rossi, E. Zanghellini, E. Cazzanelli*
 "Laser spectroscopy of sodium beta"-Alumina crystals"
Key Engineering Materials **59/60**, 77 (1991)
- 10) *B.Andrianasolo, M.Ferrari, A.Monteil, E.Duval, A.Serughetti, R.Campostrini, G.Carturan, M.Montagna, F.Rossi*
 "Densification process in silica sol-gel. Monitoring by optical and Raman spectroscopy"
J. de Physique IV **C7**, 501 (1991)
- 11) *A. Monteil, M. Ferrari, F. Rossi*
 "Fluorescence line narrowing in Cr^{3+} -doped gallium gadolinium garnet under a magnetic field "
Phys. Rev. B **43**, 3646 (1991)
- 12) *T.Beltrame, G.Mariotto, M.Montagna, F.Rossi*
 "Fluorescence Line Narrowing of Cr^{3+} Ion in Sodium beta and beta" Alumina crystals"
J. of Luminescence **48/49**, 537 (1991)
- 13) *L. Pavesi, M. Ceschini, F. Rossi*
 "Photoluminescence of porous silicon"
J. of Luminescence **57**, 131 (1993)
- 14) *F.Rossi, G.Mariotto, M.Montagna, M.Ferrari*
 "Luminescence of the Cr^{3+} ion in sodium beta- and beta"-alumina: Site selection by time resolved fluorescence line narrowing"

- Phys. Rev. **B 49**, 6501 (1994)
- 15) *A. Fontana, E. Moser, F. Rossi, R. Campostrini, G. Carturan*
“Low-Frequency Dynamics in Silica Xerogels”
J. Phys.: Cond. Matter **8**, 9575 (1996)
 - 16) *A. Fontana, F. Rossi, G. Carini, G. D'Angelo, G. Tripodo, A. Bartolotta*
“Low energy Vibration Excess in Silica Xerogels”
Phys. Rev. Letters **78**, 1078 (1997).
 - 17) *A. Fontana, E. Moser, F. Rossi, R. Campostrini, G. Carturan*
“Structure and Dynamics of Hydrogenated Silica Xerogel by Raman and Brillouin Scattering”
J. Non-Cryst. Solids **212**, 292 (1997)
 - 18) *G. Carini, G. D'Angelo, G. Tripodo, A. Fontana, F. Rossi, G. A. Saunders*
“Low energy magnetic excitations in Pr methaphosphate glass”
Europhysics Letters **40**, 435 (1997)
 - 19) *L. Del Longo, M. Ferrari, E. Zanghellini, M. Bettinelli, J. A. Capobianco, M. Montagna, F. Rossi*
“Optical spectroscopy of zinc borate glass activated by Pr³⁺ ions”
J. Non-Cryst. Solids **231**, 178-188 (1998).
 - 20) *M. Montagna, M. Ferrari, F. Rossi, F. Tonelli, C. Tosello*
“Brillouin scattering in planar waveguides”
Phys. Rev. B **58**, R547-550 (1998)
 - 21) *F. Rossi, M. Montagna, M. Ferrari, J. A. Capobianco, M. Bettinelli*
“Line width measurements of Cr³⁺ in a zinc borate glass”
J. Non-Cryst. Solids, **240**, 232-236 (1998)
 - 22) *A. Fontana, F. Rossi, G. Carini, G. D'Angelo, G. Tripodo, A. Bartolotta*
“Thermal and vibrational properties of silica xerogels”
Philosophical Magazine **B77**, 333 (1998)
 - 23) *G. Carini, G. D'Angelo, G. Tripodo, A. Bartolotta, A. Fontana, F. Rossi, G. A. Saunders*
“Specific heat of rare earth ions in crystalline and glassy phosphate matrices”
Philosophical Magazine **B77**, 449 (1998)
 - 24) *M. Ferrari, M. Montagna, S. Ronchin, F. Rossi, G.C. Righini*
“Waveguide luminescence and Raman spectroscopy: characterization of an inhomogeneous film at different depths”
Applied Physics Letters **75**, 1529-31 (1999)
 - 25) *A. Fontana, M. Montagna, F. Rossi, M. Ferrari, J. Pelous, F. Terki, T. Woigner*
“Low frequency light scattering in silica xerogels”
J. Phys.: Condensed Matter **11**, A207 (1999).
 - 26) *G. Tripodo, G. D'Angelo, G. Carini, A. Bartolotta, A. Fontana, F. Rossi*
“Low-energy vibrational dynamics and connectivity in borate glasses”
J. Phys.: Condensed Matter **11**, A229 (1999).
 - 27) *A. Bartolotta, G. Carini, G. D'Angelo, A. Fontana, F. Rossi, G. Tripodo*
“Low-energy vibrational dynamics of hydrogenated silica gels”
J. Non-Cryst. Solids **245**, 9 (1999)
 - 28) *A. Fontana, R. Dell'Anna, M. Montagna, F. Rossi, G. Viliani, G. Ruocco, M. Sampoli, U. Buchenau, A. Wischniewski.*
“The Raman coupling function in amorphous silica and the nature of the long wavelength excitations in disordered systems”
Europhysics Letters **47**, 56 (1999)

- 29) G. Cicognani, A. J. Dianoux, A. Fontana, F. Rossi, M. Montagna, T. Scopigno, F. Pelous, F. Terki, J. N. Pilliez, T. Woigner
"Low frequency dynamics of silica xerogel porous system"
Philosophical Magazine **79**, 2091(1999)
- 30) F. Terki, J. N. Pilliez, T. Woigner, J. Pelous, A. Fontana, F. Rossi, M. Montagna, M. Ferrari, G. Cicognani, A. J. Dianoux
"Low -frequency light scattering in silica xerogels: influence of heat treatment"
Philosophical Magazine **79**, 2081(1999)
- 31) A. Fontana, F. Rossi, C. Armellini, G. D'Angelo, G. Tripodo, A. Bartolotta
"Low-temperature optical and thermal properties of AgI-based phosphate glasses "
Philosophical Magazine **79**, 2073(1999)
- 32) C. Masciovecchio, V. Mazzacurati, G. Monaco, G. Ruocco, T. Scopigno, F. Sette, P. Benassi, A. Cunsolo, A. Fontana, M. Krish, A. Mermet, M. Montagna, F. Rossi, M. Sampoli, G. Signorelli, R. Verbeni
"Acoustic Nature of the Excess Vibrational states in vitreous silica"
Philosophical Magazine **79**, 2013(1999)
- 33) Armellini C., Ferrari M., Duverger C., Montagna M., Moser E., Rolli R., Ronchin S., Rossi F., Tosello C.
"Optical, Spectroscopic and Structural Characterization of Glasses and Planar Waveguides Activated by Rare-Earth Ions"
Atti del Workshop italiano Sol-Gel, Padova 11 giugno 1999, curatori: M. Guglielmi, P. Innocenzi, G. Brusatin e M. Martucci, pp 116-123
- 34) Ronchin S., Tosello C., Moser M., Montagna M., Rossi F., Duverger C., Ferrari M., Armellini C.
"Guide d'onda planari attivate con ioni Er^{3+} e Pr^{3+} prodotte tramite le tecniche Rf-sputtering e sol-gel"
FOTONICA 99, Trento, 2-4 giugno 1999, pp 133-136
- 35) F. Rossi, G. Pucker, M. Montagna, M. Ferrari, A. Boukenter
"Fluorescence Line Narrowing study of Cr^{3+} ions in cordierite glass nucleating MgAl_2O_4 nanocrystals"
Optical Materials **13**, 373-380 (2000)
- 36) M. Montagna, S. Ronchin, F. Rossi, C. Tosello, E. Moser, M. Ferrari, G. C. Righini
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SPIE, vol. **3942** (Rare Earth Doped Materials and Devices IV), 224-231 (2000)
- 37) Chiasera A., Duverger C., Montagna M., Moser E., Rolli R., Ronchin S., Rossi F., Tosello C., Zampedri L., Pelli S., Righini G., Armellini C., Ferrari M.,
"Erbium-activated monolithic silica xerogels and silica-titania planar waveguides; optical and spectroscopic characterization".
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- 38) G. Carini, G. D'Angelo, G. Tripodo, A. Fontana, F. Rossi, G. A. Saunders
"Effect of glassy topological disorder on low-energy magnetic excitations"
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- 39) R. Dolesi, F. Rossi, R. Torii, S. Vitale
"Effect of gravity on Helium II in aerogel"
Adv. Space. Res. **25**, 1215 (2000)
- 40) A. Fontana, M. Montagna, F. Rossi, L. Righetti, G. Cicognani, A. J. Dianoux, F. Terki
"Inelastic neutron scattering on silica xerogel porous systems"
J. Non-Cryst. Solids **280**, 217(2001)
- 41) C. Tosello, F. Rossi, S. Ronchin, R. Rolli, G. C. Righini, F. Pozzi, S. Pelli, M. Fossi, E. Moser, M. Montagna, M. Ferrari, C. Duverger, A. Chiappini, C. De Bernardi
"Erbium-activated silica-titania planar waveguides on silica-on-silicon substrates prepared by rf sputtering"
J. Non-Cryst. Solids **284**, 230-229 (2001)

- 42) R. Ceccato, R. Dal Maschio, S. Gialanella, G. Mariotto, M. Montagna, F. Rossi, M. Ferrari, K.E. Lipinska-Kalita, and Y. Ohki
"Nucleation of Ga₂O₃ Nanocrystals in the K₂O-Ga₂O₃-SiO₂ Glass System"
J. App. Phys. **90**, 2522 - 2527 (2001)
- 43) L. Zampedri, C. Tosello, F. Rossi, S. Ronchin, R. Rolli, M. Montagna, A. Chiasera, G.C. Righini, S. Pelli, A. Monteil, S. Chaussedent, C. Bernard, C. Duverger, M. Ferrari, C. Armellini
"Erbium-Activated Monolithic Silica Xerogels and Silica-Titania Planar Waveguides: Optical and Spectroscopic Characterization"
SPIE Vol. **4282**, 200-209 (2001)
- 44) A. Chiasera, M. Montagna, E. Moser, R. Rolli, S. Ronchin, F. Rossi, C. Tosello, L. Zampedri, S. Pelli, G.C. Righini, C. De Bernardi, P. Della Casa, C. Panciatichi, F. Pozzi, G. Battaglin, F. Gonella, P. Mazzoldi, R. Belli, M. Ferrari
"Guide di luce planari SiO₂-TiO₂ attivate con ioni Er³⁺ prodotte per RF-sputtering su substrati silica on silicon"
In "40 anni di laser", Quaderni di ottica e fotonica 7, ed. SIOF, 79-84 (2001)
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"Guide di luce planari SiO₂-TiO₂:Er³⁺ e vetri SiO₂-ErO₃ prodotti per via sol gel"
In "40 anni di laser", Quaderni di ottica e fotonica 7, ed. SIOF, 85-90 (2001)
- 46) S. Caponi, M. Ferrari, D. Fioretto, M. Montagna, F. Rossi, C. Tosello, and L. Zampedri
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- 47) R. Ceccato, R. Dal Maschio, M. Ferrari, S. Gialanella, K.E. Lipinska-Kalita, G. Mariotto, M. Montagna, Y. Ohki, and F. Rossi
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J. Raman Spectroscopy **32** (8), 643 - 647 (2001)
- 48) G. D'Angelo, G. Tripodo, A. Bartolotta, G. Carini, A. Fontana, M. Montagna, F. Rossi, M. Ferrari, F. Terki
"Low temperature specific heats of porous silica xerogels of low densities"
J. Non-Cryst. Solids **280**, 222 (2001)
- 49) A. Bartolotta, G. Carini, G. D'Angelo, M. Ferrari, A. Fontana, M. Montagna, F. Rossi, G. Tripodo
"A study of Raman spectroscopy and low temperature specific heat in gel-synthesised amorphous silica"
J. Non-Cryst. Solids **280**, 249 (2001)
- 50) O. Pilla, S. Caponi, A. Fontana, M. Montagna, L. Righetti, F. Rossi, G. Villani, G. Ruocco, G. Monaco, F. Sette, R. Verbeni, G. Cicognani, and A. J. Dianoux
"X-ray and neutron scattering studies in vitreous silica: acoustic nature of vibrational dynamics in the mesoscopic range"
Philosophical Magazine **82**, 223 (2002)
- 51) F. Rossi, A. Fontana, L. Righetti
"Temperature behaviour of quasielastic scattering in silver phosphate glass"
Philosophical Magazine **B 82**, 323 (2002)
- 52) A. Fontana, L. Righetti, F. Rossi, G. D'Angelo, L. Borjesson, A. Matic, G. Cicognani and A.J. Dianoux
"Dynamics of silver phosphate glasses by light and neutron scattering measurements"
Philosophical Magazine **B 82**, 257 (2002)
- 53) A.M.R. Teixeira, O. Pilla, F. Rossi, P.T.C: Freire, F.E.A. Melo, J. Mendes Filho, V. Lemos
"Brillouin scattering study of phase transition in LiK_{0.80}(NH₄)_{0.20}SO₄ mixed crystals"
J. Phys. Chem. Solids **63**, 1951-1956 (2002)
- 54) S. Caponi, M. Ferrari, A. Fontana, C. Masciovecchio, A. Mermet, M. Montagna, F. Rossi, G. Ruocco, F. Sette
"X-ray diffraction and Raman scattering measurements on silica xerogels"
J. Non-Cryst. Solids **307-310**, 135-141 (2002)

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“Neutron scattering studies of vitreous germania”
J. Non-Cryst. Solids **322** 7-10 (2003)
- 56) *S. Caponi, A. Fontana, M. Montagna, O. Pilla, F. Rossi, F. Terki, T., Woignier*
“Acoustic attenuation in silica porous system”
J. Non-Cryst. Solids **322** 29-34 (2003)
- 57) *O. Pilla, A. Fontana, S. Caponi, F. Rossi, G. Viliani, M.A. Gonzalez, E. Fabiani, C.P.E. Varsamis*
“Vibrational dynamic of “strong” glasses: the case of v-SiO₂ and v-GeO₂”
J. Non-Cryst. Solids **322** 53-57 (2003)
- 58) *A. Chiasera, M. Montagna, F. Rossi, M. Ferrari*
“Brillouin scattering in planar waveguides. I. Numerical model”
J. App. Phys. **94**, 4876 - 4881 (2003)
- 59) *A. Chiasera, M. Montagna, E. Moser, F. Rossi, C. Tosello, M. Ferrari, L. Zampedri, S. Caponi, R.R. Goncalves, S. Chausseant, A. Monteil, D. Fioretto, G. Battaglin, F. Gonella, P. Mazzoldi, G.C. Righini*
“Brillouin scattering in planar waveguides. II. Experiments”
J. App. Phys. **94**, 4882 - 4889 (2003)
- 60) *R. Di Maggio, A. Fontana, F. Rossi*
“Brillouin spectroscopy measurements on Hybrid inorganic-organic materials obtained from aluminum and zirconium alkoxides”
J. Non-Cryst. Solids **325**, Issue 1-3, 158-163(2003)
- 61) *O. Pilla, S. Caponi, A. Fontana, J. R. Goncalves, M. Montagna, F. Rossi, G. Villani, L. Angelani, G. Rocco, G. Monaco, F. Sette.*
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J. Physics: Condensed Matter **16**, 8519 (2004).
- 62) *R. Di Maggio, F. Rossi, L. Fambri, A. Fontana,*
“Raman and Brillouin scattering measurements on hybrid inorganic-organic materials obtained from tetraethoxysilane and methacrylic monomers”
J. Non-Cryst. Solids **345&346**, 591-595 (2004)
- 63) *S. Caponi, G. Carini, G. D’Angelo, A. Fontana, O. Pilla, F. Rossi, F. Terki, G. Tripodo, and T. Woigner*
“Acoustic and thermal properties of silica aerogels and xerogels”
Phys. Rev. B **70**, 214204 (2004)
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“Tm³⁺- activated transparent oxy-fluoride glass ceramics: a study by Raman scattering of the nanocrystal size distribution”
Glass Phys. And Chem. Vol **31**, 519-524 (2005)
- 65) *A. Fontana, F. Rossi, S. Caponi, E. Fabiani, U. Buchenau, A. Wischnewski*
“Quasi-elastic scattering in vitreous silica: a Raman and Neutron scattering study”
J. Non-Cryst. Solids **351**, 1928-1931 (2005)
- 66) *A. Fontana, F. Rossi, E. Fabiani*
“The Raman coupling function in v-GeO₂ and v-SiO₂: a new light and neutron scattering study”
J. Non-Cryst. Solids **352**, 4601-4605 (2006)
- 67) *M. Mattarelli, M. Montagna, F. Rossi, A. Chiasera, M. Ferrari*
“Mechanism of low-frequency Raman scattering from acoustic vibrations of dielectric nanoparticles”
Phys. Rev. B **74**, 153412 (2006)
- 68) *A. Fontana, L. Orsingher, F. Rossi and U. Buchenau*
“Dynamics of a hydrogenated silica xerogel: a neutron scattering study”
Phys. Rev. B **74**, 172304 (2006)

- 69) *S. Caponi, A. Fontana, M. Mattarelli, M. Montagna and F. Rossi*
 “The influence of the fictive temperature and the OH content on the dynamical properties of vitreous silica: comparison of Raman, Brillouin and neutron scattering spectra”
J. Phys.: Condens. Matter **19**, 205149 (2007)
- 70) *B. Rossi, P. Verrocchio, G. Viliari, G. Scarduelli, I. Mancini, G. Guella and F. Rossi*
 “Vibrational dynamics of inclusion complexes by Raman scattering: an experimental and numerical study”
Philosophical Magazine **87**, 559 (2007)
- 71) *S. Caponi, A. Fontana, F. Rossi, G. Baldi and E. Fabiani*
 “Effect of temperature on the vibrational density of states in vitreous SiO₂: A Raman study”
Phys. Rev B **76**, 092201 (2007)
- 72) *M. Mattarelli, S. Caponi, A. Chiappino, M. Montagna, E. Moser, F. Rossi, C. Tosello, C. Armellini, A. Chiasera, M. Ferrari, Y. Jestin, G. Nunzi Conti, S. Pelli and G.C. Righini*
 “Diagnostic techniques for photonic materials based on Raman and Brillouin spectroscopies”
Optoelectr. Letters **3**, 0188 (2007)
- 73) *A. Fontana, F. Rossi, G. Villani, S. Caponi, E. Fabiani, G. Baldi, G. Rocco and R. Dal Maschio*
 “The Raman coupling function in disordered solids: a light and neutron scattering study on glasses of different fragility”
J. Phys.: Condens. Matter **19**, 205145 (2007)
- 74) *M. Ivanda, K. Furić, S. Musić, M. Ristić, M. Gotić, D. Ristić, A.M. Tonejc, I. Djerdj, M. Mattarelli, M. Montagna, F. Rossi, M. Ferrari, A. Chiasera, Y. Jestin, G. C. Righini, W. Kiefer, R.R. Gonçalves*
 "Low Wavenumber Raman Scattering of Nanoparticles and Nanocomposite Materials",
Journal of Raman Spectroscopy **38** (2007) pp 647-659.
- 75) *F. Rossi, C. Armellini, S. Caponi, A. Fontana, F. Scarpa*
 “A link between quasi-elastic scattering and sound attenuation in Silver phosphate glasses”
Philosophical Magazine **33-35**, 4079 (2008)
- 76) *L. Orsingher, M. Cavicchio, G. Carini Jr, R. Dal Maschio, D. Fioretto, A. Fontana, P. Fumagalli, E. Gilioli, M. Matterelli, E. Moser, F. Rossi*
 “Optical and spectroscopic characterization of permanently densified GeO₂ glasses”
Philosophical Magazine **33-35**, 3907 (2008)
- 77) *M. Matterelli, M. Montagna, F. Rossi, C. Tosello, N.D. Afify, M. Bettinelli, A. Speghini, C. Armellini, Y. Jestin, F. Rocca, S. Gialanella*
 “Raman and Eu³⁺ spectroscopy of hafnia single crystals and nanocrystals”
Optical Materials (2009)
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 “Raman-Scattering Measurements of the Vibrational Density of States of a Reactive Mixture During Polymerization: Effect on the Boson Peak”
Physical Review Letters **102**, 027402 (2009)
- 79) *G. Baldi, A. Fontana, G. Monaco, L. Orsingher, S. Rols, F. Rossi, B. Ruta*
 “Connection between boson peak and elastic properties in silicate glasses”
Physical Review Letters **102**, 195502 (2009)
- 80) *M. Zanatta, G. Baldi, S. Caponi, A. Fontana, E. Gilioli, M. Krish, C. Masciovecchio, G. Monaco, L. Orsingher, F. Rossi, G. Ruocco, R. Verben*
 “Elastic properties in permanently densified silica: a Raman, Brillouin light and X-ray scattering study”.
Physical Review B, Condensed Matter and Materials Physics, vol. **81**, p. 212201-1-212201-4, (2010).
- 81) *S. Caponi, S. Corezzi, D. Fioretto, A. Fontana, G. Monaco, F. Rossi*
 “Effect of polymerization on the boson peak, from liquid to glass”
Journal of Non-Crystalline Solids, ISSN: 0022-3093, doi: 10.1016/j.jnoncrysol.2010.06.069 (2010).

- 82) *Rossi B, Comez L, Lupi L, Caponi S, Rossi F.*
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 FOOD BIOPHYSICS, vol. 6, p. 227-232, ISSN: 1557-1858 (2011).
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 “The vibrational dynamics of GeO₂ at the glass transition: a Raman and Brillouin scattering study”
 PHILOSOPHICAL MAGAZINE, vol. 91, p. 1910-1916, ISSN: 1478-6435 (2011).
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 PHILOSOPHICAL MAGAZINE, vol. 91, p. 1887-1893, ISSN: 1478-6443 (2011).
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 “Hydrogen bonding dynamics of cyclodextrin-water solutions by depolarized light scattering”
 JOURNAL OF RAMAN SPECTROSCOPY, vol. 42, p. 1479-1483, ISSN: 0377-0486 (2011).
- 86) *Caponi S, Corezzi S, Fioretto D, Fontana A, Monaco G, Rossi F*
 “Effect of polymerization on the boson peak, from liquid to glass”
 JOURNAL OF NON-CRYSTALLINE SOLIDS, vol. 357, p. 530-533, ISSN: 0022-3093 (2011).
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DIDATTICA

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