

Biography



Name: Agnese Magnani

Place and date of birth: Murlo (Siena), February 5, 1960

Affiliation: University of Siena – Department of Biotechnology Chemistry and Pharmacy
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Education: Degree in Chemistry
Ph.D. in Chemical Sciences

Current position: Associate Professor of Inorganic Chemistry

Teaching activity:

“Basic Chemistry” - Degrees in Chemical Sciences and in Pharmacy

“Smart materials and nanocarriers” – Master degree in Chemistry

“Nanomaterials” – Chemical and Pharmaceutical Sciences Ph.D. School

Correlated activities:

- Member of the Steering Committee of the Regional Technological District on New Materials (MATE www.distrettomateriali.it)
- Research Delegate of Department of Biotechnology, Chemistry and Pharmacy
- Member of the Board of Directors of INSTM (National Interuniversity Consortium for Materials Science and Technology) (www.instm.it) (2012-2020)
- Member of both the Board of Directors and Technical and Scientific Committee of Regional Innovation Pole on Nanotechnology (www.nanoxm.it) (2011-2015)
- Member of the Teacher Committee of Ph.D. School on Chemical and Pharmaceutical Sciences
- Member of the Italian Chemical Society
- Member of MIUR referee board (topics: materials, nanomaterials, surface chemistry)
- Member of Emilia Romagna Region referee board

- Referee for: "Biomacromolecules" (ACS Publications), "Surface and Interface Analysis" (Wiley Publications), Acta Biomaterialia, Carbohydrate Polymers, Carbohydrate Polymers technology and Applications (Elsevier) e Macromolecular Symposia (Wiley Publications)
- GEV Reviewer for VQR 2011-2014 and 2015-2019
- Member of the Technical and Scientific Committee of the "Polo Universitario Colle di Vald'Elsa" s.r.l. (2003-2008)
- President of the Degree Advisory Board for the undergraduate level course in Material Chemistry and Technology - University of Siena (2003-2010)
- Member of the Degree Advisory Board for the Master level course in Chemistry - University of Siena (2009-2010)

Scientific experiences in other countries:

1990 Visiting scientist at:

- the City University of New York, New York, USA;
- the Center for Controlled Chemical Delivery of the University of Utah, Salt Lake City, Utah, USA
- the Department of Chemical Engineering and Pathology of the McMaster University, Hamilton, Ontario, Canada

1992 Visiting scientist at:

- the Department of Chemical Engineering of the University of Washington, Seattle, Washington, USA;
- the Department of Materials Science of the University of Alabama in Huntsville, Huntsville, Alabama, USA

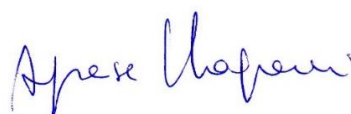
1995 Visiting professor at the Department of Materials Science of the University of Alabama in Huntsville, Huntsville, Alabama, USA

Main research topics:

- Functional polymers and materials for biomedical applications with particular attention to regenerative medicine and soft tissue substitutes
- Biosensors for biomarkers identification and determination in body fluids
- Nanocarriers for drug target delivery
- Molecular recognition processes: protein-ligand interactions; protein and cell interaction with solid surfaces; biofilm formation
- Materials, agrifood products and biological systems characterization by spectroscopic, spectrometric, calorimetric and rheological analysis

Author of more than 160 publications in international scientific journals and co-author of 7 patents

Siena, 25 May 2021



List of publications and patents

Publications

1) G.G.T.Guarini, **A.Magnani**

"Photoacoustic evidence of the formation of a dehydrated surface layer during the initial stages of the dehydration of α -NiSO₄·6H₂O" *Reactivity of solids*, **6**, 277 (1988), Amsterdam - The Netherlands

2) R.Barbucci, M.Benvenuti, G.Dal Maso, **A.Magnani**, F.Tempesti

"Materials containing heparin complexing polymers, physicochemical characterization and compatibility" *Polymeric Materials Science and Engineering*, **59**, 660 (1988), USA

3) R.Barbucci, **A.Magnani**

"Physiochemical characterization and coating of polyurethane with a new heparin adsorbing material" *Biomaterials*, **10**, 429 (1989), Oxford - UK

4) R.Barbucci, M.Casolaro, A.Di Tommaso, **A.Magnani**

"Thermodynamic and spectroscopic studies of porotration with a optically active polyampholite" *Macromolecules*, **22**, 3138 (1989), Washington DC - USA

5) R.Barbucci, M.Casolaro, P.Ferruti, **A.Magnani**, C.Roncolini

"Vinyl polymers containing amido and carboxylic groups as side substituents. I. Synthesis of N-acryloyl-glycine and N-acryloyl-6-caproic acid and their grafting on cellulose membranes" *Polymer*, **30**, 1751 (1989), Oxford - UK

6) R.Barbucci, M.Casolaro, **A.Magnani**

"Vinyl polymers containing amido and carboxylic groups as side substituents. II. Thermodynamic and FT-IR spectroscopic studies for the protonation of poly(N-acryloyl-glycine) and poly(N-acryloyl-6-caproic acid)" *Makrom. Chem., (Macrom. Chem. Phys.)* **190**, 2627 (1989), Heidelberg - Germany

7) R.Barbucci, M.Casolaro, **A.Magnani**

"Copper(II) complex formation with a poly(amido) polymer containing optically active alpha-alanine residues" *Polym. J.*, **11**, 915 (1989), Tokyo - Japan

8) R.Barbucci, F.Tempesti, **A.Magnani**

"Polyurethane based materials for applications in Bio-Medicine" in:
First Mediterranean School on Science and Technology of Advanced Polymer-Based Materials (Eds: E.Martuscelli, G.Ragosta, C.Silvestre) Naples - Italy, 1989, pp 735-748

9) **A.Magnani**, C.Roncolini, R.Barbucci

"FT-IR Measurements" in: "Workshop on Characterization of Biomaterials in Contact with Blood" *Biomaterials*, **11**, 138 (1990), Oxford - UK

10) **A.Magnani**, C.Roncolini, R.Barbucci

"Advantages and problems using FT-IR spectroscopy to study blood-surface interactions by monitoring the protein adsorption process" in: *Modern Aspects of Protein Adsorption on Biomaterials* (Eds: Y.F.Missirlis, W.G.Lemm) pp 91-96, Kluwer Academic Publisher, Dordrecht - The Netherlands 1991

11) R.Barbucci, M.Casolaro, **A.Magnani**, C.Roncolini

"Different protonation behaviour of two poly(methacrylic acid) derivatives containing N-acyl-glycine and N-acyl- β -alanine residues: Thermodynamic and FT-IR studies" *Macromolecules*, **24**, 1249 (1991), Washington DC - USA

12) R.Barbucci, M.Casolaro, **A.Magnani**, C.Roncolini

"FT-IR and potentiometric study of basic polymer behaviour in the free form, in different bulks, both in solid state and aqueous solution" *Polymer*, **32**, 897 (1991), Oxford - UK

13) R.Barbucci, **A.Magnani**, A.Albanese, F.Tempesti

"Heparinized polyurethane surface through ionic bonding of heparin" *ASAIO J.*, **14**, No.8, 499 (1991), Hagerstown, MD - USA

- 14) R.Barbucci, A.Albanese, **A.Magnani**, F.Tempesti
"Coating of commercial materials with a new heparinizable material" *J. Biomed. Mater. Res.*, **25**, 1259 (1991), New York, NY- USA
- 15) R.Barbucci, **A.Magnani**, C.Roncolini, S.Silvestri
"Antigen-Antibody recognition by Fourier Transform Infrared Spectroscopy (Attenuated Total Reflection) studies: Biotin-Avidin complex as an example" *Biopolymers*, **31**, 827 (1991), New York, NY - USA
- 16) R.Barbucci, M.Casolaro, **A.Magnani**
"The role of polyelectrolytes in the permeability control of insulin: behaviour of poly(N-acryloyl-glycine) grafted on porous cellulose membranes" *J. Control. Release*, **17**, 79 (1991), Amsterdam - The Netherlands
- 17) R.Barbucci, **A.Magnani**, C.Roncolini
"Thermodynamic and FT-IR spectroscopic studies on heparin-polycation interaction" *Clinical Materials*, **8**, 17 (1991), Essex - UK
- 18) R.Barbucci, **A.Magnani**
"FTIR characterization of heparinizable polymer-coated materials for application in biomedicine"
8th International Conference on Fourier Transform Spectroscopy - H.M.Heise, E.H.Korte, H.W.Siesler, Editors, *Proc. SPIE* **1575**, 461 (1992), Bellingham, WA - USA
- 19) R.Barbucci, F.Tempesti, M.Benvenuti, **A.Magnani**, A.Albanese
"Preparation, physico-chemical and biological characterization of heparinizable materials"
in *Biomaterial-tissue Interfaces - Advances in Biomaterials* Vol. 10, P.J. Doherty, R.L. Williams, D.F. Williams, A.J.C. Lee (Eds.) Elsevier, Amsterdam - The Netherlands, (1992) pp.217-228
- 20) **A.Magnani**, R.Barbucci
"Fourier Transform Attenuated Total Reflection Infrared Spectroscopy (ATR/FTIR): Application to proteins adsorption studies" in: *Test Procedures for the Blood Compatibility of Biomaterials*, S. Dawids (Ed.) Kluwer Academic Publishers, Dordrecht - The Netherlands, (1993) pp. 171-184
- 21) S.Cimmino, E.Martuscelli, C.Silvestre, R.Barbucci, **A.Magnani**, F.Tempesti
"Structure-property relationships of polyurethane-based materials (PUPA) for applications in biomedicine" *J. Appl. Polym. Sci.* **47**, 631 (1993), New York, NY - USA
- 22) R.Barbucci, M.Casolaro, **A.Magnani**
"Ionic and ionizable synthetic polymers: interactions in aqueous solution" *Coordination Chemistry Reviews*, **120**, 29 (1992), Amsterdam - The Netherlands
- 23) R.Barbucci, M.Casolaro, **A.Magnani**
"Characterization of biomaterial surfaces: ATR-FTIR, Potentiometric and Calorimetric analysis" *Clinical Materials*, **11**, 37 (1992), Essex - UK
- 24) M.Benvenuti, R.Barbucci, E.Busi, **A.Magnani**
"Synthesis of two novel heparinizable polymeric materials (EVAPA-45 and EVAPA) for hemodialysis membranes"
"Omaggio Scientifico a Renato Turriziani", Roma - Italy, 1992
- 25) R.Barbucci, M.Benvenuti, **A.Magnani**, F.Tempesti
"Synthesis of two novel heparinizable polymeric materials starting from an ethylene/vinyl alcohol/vinyl acetate terpolymer" *Makromol. Chem.*, (Macromol. Chem. Phys.) **193**, 2979 (1992), Heidelberg, Germany
- 26) R.Barbucci, **A.Magnani**
"Surface Infrared Analysis of Standard Biomaterials" in: *The References Materials of the European Communities: Results of Hemocompatibility Tests*, W.Lemm (Ed.) Kluwer Academic Publisher, Dordrecht - The Netherlands, (1992) pp. 27-35
- 27) R.Barbucci, M.Benvenuti, **A.Magnani**, A.Albanese
"New trends in blood compatible materials" in:

Innovative Materials -Prospects and Problems in a Competitive Industrial Context - Advances in Science and Technology, Vol.2, P.Vincenzini (ed.) Techna Publishers, Faenza - Italy, 1993, pp.537-574

28) R.Barbucci, **A.Magnani**, A.Albanese, M.Benvenuti, M.Casolaro

"Biomaterials and artificial organs" in *The development of Science for the improvement of human life - First Siena-Kyoto Symposium* - F.Casprini and R.Barbucci (eds.) - Siena - Italy, 1993, pp. 19-37

29) R.Barbucci, **A.Magnani**, A.Baszkin, M.L.Da Costa, H.Bauser, G.Hellwig, E.Martuscelli, S.Cimmino

"Physico-chemical surface characterization of Hyaluronic Acid derivatives as a new class of biomaterials" *J. Biomat. Sci.- Polym. E.*, **4**, No. 3, 245 (1993), Zeist - The Netherlands

30) **A. Magnani**, S. Lamponi

"FT-IR studies of protein adsorption on polymeric materials: influence of surface structure, hydrophobicity and charge" In: "The development of Science for the improvement of human life - Siena-Kyoto Symposium" - Y. Imanishi (Ed.) - Kyoto - Japan, 1993 pp. 85-97.

31) R.Barbucci, **A.Magnani**

"Conformation of human plasma proteins at polymer surfaces: the effectiveness of surface heparinization" *Biomaterials*, **15** (12), 955 (1994), Oxford - UK

32) R.Barbucci, E.Busi, **A.Magnani**, P.Ferruti, E.Ranucci, S.Taraviras

"Biomaterials" *La Chimica & l'Industria*, **1**, 17 (1994), Milano - Italy

33) **A.Magnani**, E.Busi, R.Barbucci

"In situ ATR/FTIR studies of protein adsorption on polymeric materials: effectiveness of surface heparinisation". *J. Mater. Sci.-Mater in Medicine*, **5**, 839 (1994), London - UK

34) R.Barbucci, M.Benvenuti, M.Casolaro, S.Lamponi, **A.Magnani**

"Sulfated hyaluronic acid as heparin-like material: physico-chemical and biological characterisation". *J. Mater. Sci.-Mater in Medicine*, **5**, 830 (1994), London - UK

35) R.Barbucci, **A.Magnani**

"Haemocompatible Materials: Surface and Interface Aspects" In "Encyclopedic Handbook of Biomaterials and Bioengineering", Wise, Trantolo, Altobelli, Yaszemski, Gresser, Schwartz (eds.), Marcel Dekker Publisher, New York, NY - USA, 1995, Vol. 2, pp. 1011-1041

36) R. Barbucci, **A. Magnani**

"A challenge to blood compatible materials in new materials perspectives" In "Memorie di Scienze Fisiche e Naturali", Serie V, Vol. XVIII, Parte II, Roma - Italy, 1995, pp. 315

37) C.Signorini, M.Ferrali, L.Ciccoli, L.Sugherini, **A.Magnani**, M.Comporti

"Iron release, membrane protein oxidation and erythrocyte ageing" *FEBS Letters*, **362**, 165 (1995), Amsterdam - The Netherlands

38) R.Barbucci, **A.Magnani**, M.Casolaro, N.Marchettini, C.Rossi, M.Boschi

"Modification of hyaluronic acid by sulphate groups insertion to obtain a heparin-like molecule. Part I. Characterisation and behaviour in aqueous solution towards H^+ and Cu^{2+} ions". *Gazzetta Chimica Italiana*, **4**, 169 (1995), Roma - Italy

39) **A.Magnani**, R.Barbucci, K.B.Lewis, D.Leah-Scampavia, B.D.Ratner

"Surface properties and restructuring of a crosslinked polyurethane - poly(amido-amine) network" *J. Mater. Chem.* **5** (9), 1321 (1995), Cambridge - UK

40) S. Lamponi, F. Tempesti, **A. Magnani**, M. Benvenuti, R. Barbucci, E. Ranucci, S. Cimmino, E. Martuscelli, A. Baszkin, M.M. Boissonnade

"Structural characterisation of a new heparinisable material (EVAPA) based on ethylvinylalcohol vinyl acetate terpolymer (EVALVA) and N2LL polyamidoamine" *Macromol. Chem. Phys.* **196**, 2123 (1995), Heidelberg – Germany

- 41) N.Nuridin, P.Francois, **A.Magnani**, N.Xanthopoulos, H.J.Mathieu, R.Barbucci, P.Vaudaux, P.Descouts
"Effect of toluene extraction on Biomer™ surface: I- ESCA, ATR/FTIR, contact angle analysis and biological properties" *J. Biomater. Sci.-Polym. E.*, **7** (1), 49 (1995), Zeist - The Netherlands
- 42) **A. Magnani**, A. Albanese, S. Lamponi, R. Barbucci
"Blood-interaction performance of differently sulphated hyaluronic acids" *Thromb. Res.*, **81** (3), 383 (1996), New York, NY - USA
- 43) **A. Magnani**, S. Lamponi, R. Barbucci.
"Complexes of Copper (II) with glycosaminoglycans and their biological activity" In: *Frontiers in the Medical Application of Polymers*, R.M Ottenbrite (Ed.)Technomic Publishing Co., Inc., Lancaster , PA - USA 1998 pp 171-184.
- 44) R. Barbucci, **A. Magnani**, S. Lamponi, M. Casolaro
"Different sulphation degree and biological performance of hyaluronic acid as heparin-like molecule" *Macromol. Symp.***105**, 1 (1996), Heidelberg - Germany
- 45) **A. Magnani**, S. Lamponi
"Heparin-like molecules: interaction of sulphated hyaluronic acid with plasma proteins" In "The development of science for the improvement of human life" 3rd Kyoto-Siena Symposium - Section Natural Sciences -R. Barbucci (ed.) Cadmio Edizioni Arti Grafiche Ticci - Siena - Italia (1996) p.145.
- 46) R. Barbucci, **A. Magnani**, S. Lamponi, A. Albanese
"Chemistry and Biology of Glycosaminoglycans in blood coagulation" *Polym. Advan. Technol.*, **7**, 675 (1996) Chichester - UK.
- 47) G.Chen, Y.Ito, Y. Imanishi, **A. Magnani**, S. Lamponi, R. Barbucci
"Photoimmobilization of sulfated hyaluronic acid for antithrombogenicity" *Bioconjugate Chem.*, **8** (5), 730 (1997) Columbus - OH - USA
- 48) R. Barbucci, S. Lamponi, A. **Magnani**, L.F. Poletti, N.P. Rhodes, M. Sobel, D.F. Williams
"The influence of sulfation on platelet aggregation and activation with differentially sulfated hyaluronic acids" *J. of Thrombosis and Thrombolysis*, **6**, 109 (1998) Dordrecht - The Netherlands
- 49) P.Favia, F. Palumbo, R. d'Agostino, S. Lamponi, **A. Magnani**, R. Barbucci
"Immobilization of heparin and highly-sulphated hyaluronic acid onto low-pressure plasma-processed polyethylene" *Plasmas & Polymers*, **3** (2), 77 (1998) New York, NY - USA
- 50) R. Barbucci, S. Lamponi, **A. Magnani**, D. Renier
"The influence of molecular weight on the biological activity of heparin-like sulphated hyaluronic acids" *Biomaterials*, **19**, 801 (1998) Oxford – U.K.
- 51) **A. Magnani**, S. Lamponi, R. Rappuoli, R. Barbucci
"Sulphated Hyaluronic acids: a chemical and biological characterisation" *Polym. Int.*, **46**, 225 (1998) Chichester - Great Britain
- 52) **A. Magnani**, V.Silvestri, R. Barbucci
"Hyaluronic acid and Sulphated Hyaluronic acid in aqueous solution: effect of the sulphation on the protonation and complex formation with Cu²⁺ and Zn²⁺ ions " *Macromol. Chem. Phys.*, **200**, 2003 (1999) Weinheim - Germany
- 53) N. Marchettini, R. Barbucci, C. Bonechi, A. Donati, **A. Magnani**, V. Niccolucci, E. Tiezzi
"Structural study of hyaluronic acid oligomers and their complexes with copper in water by NMR and IR and Molecular Dynamics Calculations" *Macrom. Symp.*, **138**, 203 (1999) Weinheim - Germany
- 54) F. Cetta, R. Rappuoli, G. Montalto, C. Baldi, M. Gori, D. Cetta, M. Zuckermann, **A. Magnani**, R. Barbucci
"New biliary endoprosthesis less liable to block in biliary infections: description and in vitro studies" *Eur. J. Surg.* **165**, 782 (1999) Linköping - Sweden

- 55) **A. Magnani**, S. Lamponi, M. Consumi, R. Barbucci
"Biological performance of two materials based on sulphated hyaluronic acid and polyurethane" *J. Mater. Chem.* 9, 2393 (1999) Cambridge – U.K.
- 56) R. Barbucci, **A. Magnani**, R. Rappuoli, S. Lamponi, M. Consumi
"Immobilization of Sulphated Hyaluronan for improved biocompatibility" *J. Inorg. Biochem.* **79/1-4**, 119, 2000 Amsterdam – The Netherlands
- 57) **A. Magnani**, R. Barbucci, L. Montanaro, C.R. Arciola, S. Lamponi
"In vitro study of haemocompatibility and effect on bacterial adhesion of a polymeric surface with immobilised heparin and sulphated hyaluronic acid" *J. Biomat. Sci.-Polym. E.*, 11, (2000), 801-815.
- 58) **A. Magnani**, R. Rappuoli, S. Lamponi, R. Barbucci
"Novel polysaccharide hydrogels: characterisation and properties" *Polym. Advan. Technol.* 11, (2000), 488-495.
- 59) R. Barbucci, **A. Magnani**
"Metal-ion complexes in the angiogenetic effect" *Macromol. Symposia* 156, 239-251 (2000)
- 60) R. Barbucci, S. Lamponi, **A. Magnani**
"Biological performance of materials " In: Proceedings of Chemistry at the Beginning of the Third Millennium, Pavia 7-10 Oct. 1999, Eds. L. Fabbrizzi, A. Poggi, *Springer-Verlag Heidelberg 2000*, 161-183.
- 61) R. Barbucci, **A. Magnani**, S. Lamponi, S. Mitola, M. Ziche, L. Morbidelli, F. Bussolino
"Cu(II) and Zn(II) complexes with hyaluronic acid and its sulphated derivative. Effect on the mobility of vascular endothelial cells" *J. Inorg. Biochem.*, 81, (2000), 229-237.
- 62) R. Barbucci, **A. Magnani**, S. Lamponi, R. Rappuoli, M. Consumi
"Hyaluronan derivatives: chemical modifications and biochemical application" In: New Frontiers in Medical Sciences - Redefining Hyaluronan - G. Abatangelo and P.H. Weigel Eds, EXCERPTA MEDICAL – International Congress Series, (ICS) ELSEVIER SCIENCE B.V. The Netherlands, 2000, 203-212.
- 63) R. Barbucci, **A. Magnani**, M. Consumi
"The swelling behaviour of carboxymethylcellulose hydrogels in relation to crosslinking, pH and charge density" *Macromolecules*, 33 (20), (2000) 7475-7480.
- 64) R. Barbucci, S. Lamponi, **A. Magnani**, G. Peluso, O. Petillo
"Metal Complexes with Linear and Crosslinked Polysaccharides as Mediators of Angiogenesis" *Polymer for advanced technologies* 12, 271-278 (2001)
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"Solution Structure of Hyaluronic Acid Oligomers by Experimental and Theoretical NMR, and Molecular Dynamics Simulation" *Biopolymers* 59 (6), 434-445 (2001)
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"Protein adsorption and cellular/tissue interactions" In: *"Integrated Biomaterials Sciences"* (R. Barbucci Ed.) Kluwer Academic/Plenum Publishers, New York 2002, 669-689
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"Micropatterned surfaces for the control of endothelial cell behaviour" *Biomol. Eng.* 19, 161-170 (2002)
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"The dependance of water uptake and morphology of hyaluronan and alginate based hydrogels on pH and degree of crosslinking" *Macromol. Chem. And Phys.* 203, 1292-1300 (2002)
- 70) R. Barbucci, G. Leone, **A. Magnani**
"The effect of spacer arms in cross-linked hyaluronan hydrogel on Fbg and HSA adsorption and conformation" *Polymer* 43, 3541-3548 (2002)

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"The use of Hyaluronan and its sulphated derivative patterned with micrometric scale on glass substrate in melanocyte cell behaviour" *Biomaterials* 24, 915-926 (2003)
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"Cell behaviour on chemically microstructured surfaces" *Mater. Sci. and Eng. C* 23, 315-328 (2003)
- 74) R. Barbucci, S. Lamponi, **A. Magnani**
"Fibrinogen conformation and platelet reactivity in relation to material-blood interaction: effect of stress hormones" *Biomacromolecules* 4 (6), 1506-1513 (2003)
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"Combined use of nuclear magnetic resonance and infrared spectroscopy for studying recognition processes between amphenicol antibiotics and albumin" *MAGNETIC RESONANCE IN CHEMISTRY* 41 (7), 489-502 (2003) DOI: 10.1002/mrc.1201
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"Chemical waves and pattern formation in the 1,2-dipalmitoyl-sn-glycero-3-phosphocholine/water lamellar system" *Journal of the American Chemical Society*, 126, 11406 – 11407 (2004)
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"Microstructured surfaces for cell guidance" *Transactions – 7th World Biomaterials Congress*, pp. 1352 (2004)
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"Fibroblast Cell Behavior on Bound and Adsorbed Fibronectin onto Hyaluronan and Sulfated Hyaluronan Substrates" *Biomacromolecules*, 6, 638-645 (2005)
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"Fibrinogen-catecholamines interaction as observed by NMR and FTIR" *Biomacromolecules*, **8 (9)**, 2689-2696 (2007)
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"Self-Assembled Organic Radicals on Au(111) Surfaces: A Combined ToF-SIMS, STM, and ESR Study", *Langmuir*, **23**, 2389-2397 (2007)
- 88) Gabriella Tamasi, Federica Serinelli, Marco Consumi, **Agnese Magnani**, Mario Casolaro, Renzo Cini
"Release studies from smart hydrogels as carriers for piroxicam and copper(II)-oxicam complexes as anti-inflammatory and anti-cancer drugs. X-ray structures of new copper(II)-piroxicam and - isoxicam complex molecules" *Journal of Inorganic Biochemistry*, **102**, 1862-1873 (2008)
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Patents

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