**Personal Data **

**Claudio Nastruzzi** was born in Ferrara on March 29, 1958.

1983 - Degree in Pharmaceutical Chemistry at the University of Ferrara, Department of Pharmaceutical Science.

1983-1984 - Fellow in the Department of Pharmaceutical Science of University of Ferrara, working on natural compound synthesis (prostaglandins and leukotriens) and characterization of isosazolic and isosazolinic nuclei reactivity.

1988 - Ph.D. in Pharmaceutical Science, with a dissertation on the syntesis, antitumor and antimetastatic activity of aromatic polyamidines.

1988-1990 - Post-doctoral position at the Institute for Polymers of the Eidgenissische Technische Hochschule, (Swiss Federal Institute of Technology) (ETH), Zürich in the group of Prof. P.L. Luisi. 1990-1991 - Post-doctoral position at the Department of Pharmaceutical Sciences of the University of Ferrara, having as main topic the production and characterization of liposomes especially designed for retinoids delivery. Biophysical studies and activity on in vitro cultured cell lines.

1991-1998 - Researcher position at the Department of Pharmaceutical Sciences of the University of Ferrara, investigating the production of microspheres, liposomes and microemulsions for the controlled delivery of biological response modifiers.

1998-2009 - Associated Professor at the Dipartimento di Chimica e Tecnologia del Farmaco, of the University of Perugia, Perugia, Italy.

2009-2012 - Associated Professor at the Dipartimento di Scienze Farmaceutiche, of the University of Ferrara, Ferrara, Italy.

2012-Present - Associated Professor at the Dipartimento di Scienze della Vita e Biotecnologie, of the University of Ferrara, Ferrara, Italy.

**Research activity**

In 2002, Claudio Nastruzzi started the activity of the Laboratory of Biomaterials & Encapsulation (BEL).

The main goal of the Laboratory is an integrative concept of research and teaching in the fields of biomaterials, bioencapsulation, drug formulation and drug delivery. Currently are under investigation different formulations including, inorganic matrixes, liposomes, lipospheres, microparticles, nanocapsules, microemulsions and polymeric films. For the development of such delivery systems we are in close cooperation with other groups in the basic, engineering, medical sciences and pharmaceutical industry. Another important field of study of BEL is represented by cell encapsulation and transplantation using natural, synthetic and engineerized polymers.

The research group focuses on the development of biomaterials and delivery systems for drugs, biological response modifiers, biotech products and cosmetics. Production and characterization of particulate delivery systems is investigated, including liposomes and microspheres for gene therapy. In particular, new formulations, have been designed and produced for Natural and Peptide (PNA) Nucleic Acids, based on cationic polymeric sub-micron particles constituted by Eudragit RS 100 plus different cationic surfactants such as dioctadecyl-dimethyl-ammonium bromide (DDAB18) and diisobutylphenoxyethyl dimethylbenzyl ammonium chloride (DEBDA).

Moreover, the design and production of advanced cosmetic formulations has been accomplished, based on liquid crystals, microparticles in association with hydrophilic polymers and polymeric surfactants. The laboratory has also expertise in tissue engineering and cell encapsulation protocols (pancreatic islets, Sertoli cells, osteoblasts, etc.) and biocompatibility tests for the validation of biomaterials. The rapid prototyping section focuses on the design and development of small laboratory equipments for biotech applications and microencapsulation protocols.

Finally, the laboratory know-how has expanded to the design, production and use of microfluidic chip for the production of nanoparticles and microparticles.

Claudio Nastruzzi has published more than 180 papers (see attached list from ISI Web of knowledge) and presented more than 130 contributions to national and international conferences.

**Web-based Resources and Info**

1. Research Gate

www.researchgate.net/profile/Claudio\_Nastruzzi/info

2. ORCID

orcid.org/0000-0001-9552-0807

3. ReasearcherID

www.researcherid.com/rid/N-4230-2015

3. Laboratory web page

www.biomaterials.it

4. University web resources

sveb.unife.it/it/ricerca-1/laboratori/bioincapsulazione-e-microfluidica

sveb.unife.it/it/ricerca-1/laboratori/biomateriali

**Publication List (Font: ISI-Web-of-Sciences)**

1. Title: Biodistribution of nanostructured lipid carriers: A tomographic study

Author(s): Esposito, Elisabetta; Boschi, Alessandra; Ravani, Laura; et al.

Source: European Journal of Pharmaceutics and Biopharmaceutics Volume: 89 Pages: 145-156 Published: 2015

Times Cited: 2

DOI: 10.1016/j.ejpb.2014.12.006

2. Title: Cannabinoid antagonist in nanostructured lipid carriers (NLCs): design, characterization and in vivo study

Author(s): Esposito, Elisabetta; Ravani, Laura; Drechsler, Markus; et al.

Source: Materials Science & Engineering C-Materials for Biological Applications Volume: 48 Pages: 328-336 Published: 2015

Times Cited: 0

DOI: 10.1016/j.msec.2014.12.012

3. Title: Composite ECM-alginate microfibers produced by microfluidics as scaffolds with biomineralization potential

Author(s): Angelozzi, Marco; Miotto, Martina; Penolazzi, Letizia; et al.

Source: Materials Science & Engineering C-Materials for Biological Applications Volume: 56 Pages: 141-153 Published: 2015

Times Cited: 0

DOI: 10.1016/j.msec.2015.06.004

4. Title: Effect of dynamic three-dimensional culture on osteogenic potential of human periodontal ligament-derived mesenchymal stem cells entrapped in alginate microbeads

Author(s): Vecchiatini, R.; Penolazzi, L.; Lambertini, E.; et al.

Source: Journal of Periodontal Research Volume: 50 Issue: 4 Pages: 544-553 Published: 2015

Times Cited: 0

DOI: 10.1111/jre.12225

5. Title: Long-term stability, functional competence, and safety of microencapsulated specific pathogen-free neonatal porcine Sertoli cells: a potential product for cell transplant therapy

Author(s): Luca, Giovanni; Mancuso, Francesca; Calvitti, Mario; et al.

Source: Xenotransplantation Volume: 22 Issue: 4 Pages: 273-283 Published: 2015

Times Cited: 0

DOI: 10.1111/xen.12175

6. Title: Suramin inhibits chikungunya virus replication through multiple mechanisms

Author(s): Albulescu, Irina C.; van Hoolwerff, Marcella; Wolters, Laura A.; et al.

Source: Antiviral Research Volume: 121 Pages: 39-46 Published: 2015

Times Cited: 0

DOI: 10.1016/j.antiviral.2015.06.013

7. Title: Delivery of Suramin as an Antiviral Agent through Liposomal Systems

Author(s): Mastrangelo, Eloise; Mazzitelli, Stefania; Fabbri, Jacopo; et al.

Source: Chemmedchem Volume: 9 Issue: 5 Pages: 933-939 Published: 2014

Times Cited: 3

DOI: 10.1002/cmdc.201300563

8. Title: Preparation and validation of low cost microfluidic chips using a shrinking approach

Author(s): Focaroli, S.; Mazzitelli, S.; Falconi, M.; et al.

Source: Lab on a Chip Volume: 14 Issue: 20 Pages: 4007-4016 Published: 2014

Times Cited: 2

DOI: 10.1039/c4lc00679h

9. Title: Analysis of the Drug Release Profiles from Formulations Based on Micro and Nano Systems

Author(s): Esposito, Elisabetta; Mazzitelli, Stefania; Cortesi, Rita; et al.

Source: Current Analytical Chemistry Volume: 9 Issue: 1 Pages: 37-46 Published: 2013

Times Cited: 2

DOI: 10.2174/157341113804486400

10. Title: Antidiuretic effect of desmopressin chimera agglomerates by nasal administration in rats

Author(s): Balducci, Anna Giulia; Ferraro, Luca; Bortolotti, Fabrizio; et al.

Source: International Journal of Pharmaceutics Volume: 440 Issue: 2 Pages: 154-160 Published: 2013

Times Cited: 1

DOI: 10.1016/j.ijpharm.2012.09.049

11. Title: Design production and characterization of drug delivery systems by Lab-on-a-Chip technology Preface

Author(s): Mazzitelli, Stefania; Nastruzzi, Claudio

Source: Advanced Drug Delivery Reviews Volume: 65 Issue: 11-12 Pages: 1401-1402 Published: 2013

Times Cited: 0

DOI: 10.1016/j.addr.2013.08.007

12. Title: Hydrogel blends with adjustable properties as patches for transdermal delivery

Author(s): Mazzitelli, Stefania; Pagano, Cinzia; Giusepponi, Danilo; et al.

Source: International Journal of Pharmaceutics Volume: 454 Issue: 1 Pages: 47-57 Published: 2013

Times Cited: 5

DOI: 10.1016/j.ijpharm.2013.06.081

13. Title: Microfluidic and lab-on-a-chip preparation routes for organic nanoparticles and vesicular systems for nanomedicine applications

Author(s): Capretto, Lorenzo; Carugo, Dario; Mazzitelli, Stefania; et al.

Source: Advanced Drug Delivery Reviews Volume: 65 Issue: 11-12 Pages: 1496-1532 Published: 2013

Times Cited: 18

DOI: 10.1016/j.addr.2013.08.002

 14. Title: Preparation of cell-encapsulation devices in confined microenvironment

Author(s): Mazzitelli, Stefania; Capretto, Lorenzo; Quinci, Federico; et al.

Source: Advanced Drug Delivery Reviews Volume: 65 Issue: 11-12 Pages: 1533-1555 Published: 2013

Times Cited: 6

DOI: 10.1016/j.addr.2013.07.021

15. Title: Production of polymeric micelles by microfluidic technology for combined drug delivery: Application to osteogenic differentiation of human periodontal ligament mesenchymal stem cells (hPDLSCs)

Author(s): Capretto, L.; Mazzitelli, S.; Colombo, G.; et al.

Source: International Journal of Pharmaceutics Volume: 440 Issue: 2 Pages: 195-206 Published: 2013

Times Cited: 7

DOI: 10.1016/j.ijpharm.2012.07.057

16. Title: Design, production and optimization of solid lipid microparticles (SLM) by a coaxial microfluidic device

Author(s): Capretto, Lorenzo; Mazzitelli, Stefania; Nastruzzi, Claudio

Source: Journal of Controlled Release Volume: 160 Issue: 3 Pages: 409-417 Published: 2012

Times Cited: 6

DOI: 10.1016/j.jconrel.2012.04.019

17. Title: Effect of urinary bladder matrix on the in vitro performances of human mesenchymal stem cells

Author(s): Mazzitelli, S.; Piva, R.; Penolazzi, L.; et al.

Source: Journal of Tissue Engineering and Regenerative Medicine Volume: 6 Pages: 172 Published: 2012

Times Cited: 0

18. Title: Human mesenchymal stem cells seeded on extracellular matrix-scaffold: Viability and osteogenic potential

Author(s): Penolazzi, Letizia; Mazzitelli, Stefania; Vecchiatini, Renata; et al.

Source: Journal of Cellular Physiology Volume: 227 Issue: 2 Pages: 857-866 Published: 2012

Times Cited: 10

DOI: 10.1002/jcp.22983

19. Title: Mithramycin encapsulated in polymeric micelles by microfluidic technology as novel therapeutic protocol for beta-thalassemia

Author(s): Capretto, Lorenzo; Mazzitelli, Stefania; Brognara, Eleonora; et al.

Source: International Journal of Nanomedicine Volume: 7 Pages: 307-324 Published: 2012

Times Cited: 5

DOI: 10.2147/ijn.s25657

20. Title: Prolongation of skin allograft survival in rats by the transplantation of microencapsulated xenogeneic neonatal porcine Sertoli cells

Author(s): Bistoni, Giovanni; Calvitti, Mario; Mancuso, Francesca; et al.

Source: Biomaterials Volume: 33 Issue: 21 Pages: 5333-5340 Published: 2012

Times Cited: 10

DOI: 10.1016/j.biomaterials.2012.04.020

21. Title: ROLE OF SLUG TRANSCRIPTION FACTOR AND DIFFERENT CELL CULTURE CONDITIONS ON OSTEOGENIC POTENTIAL OF HUMAN MESENCHYMAL STEM CELLS

Author(s): Lambertini, Elisabetta; Torreggiani, Elena; Penolazzi, Letizia; et al.

Source: Osteoporosis International Volume: 23 Pages: S413 Published: 2012

Times Cited: 0

22. Title: Encapsulation of eukaryotic cells in alginate microparticles: cell signaling by TNF-alpha through capsular structure of cystic fibrosis cells

Author(s): Mazzitelli, Stefania; Borgatti, Monica; Breveglieri, Giulia; et al.

Source: Journal of Cell Communication and Signaling Volume: 5 Issue: 2 Pages: 157-165 Published: 2011

Times Cited: 7

DOI: 10.1007/s12079-010-0105-z

23. Title: Encapsulation of mithramycin into polymeric micelles by microfluidics: regulation of the expression of the human gamma-globin genes

Author(s): Capretto, Lorenzo; Mazzitelli, Stefania; Zuccato, Cristina; et al.

Source: International Journal of Molecular Medicine Volume: 28 Pages: S59 Published: 2011

Times Cited: 0

24. Title: Optimised production of multifunctional microfibres by microfluidic chip technology for tissue engineering applications

Author(s): Mazzitelli, Stefania; Capretto, Lorenzo; Carugo, Dario; et al.

Source: Lab on a Chip Volume: 11 Issue: 10 Pages: 1776-1785 Published: 2011

Times Cited: 19

DOI: 10.1039/c1lc20082h

25. Title: Production and characterization of engineered alginate-based microparticles containing ECM powder for cell/tissue engineering applications

Author(s): Mazzitelli, Stefania; Luca, Giovanni; Mancuso, Francesca; et al.

Source: Acta Biomaterialia Volume: 7 Issue: 3 Pages: 1050-1062 Published: 2011

Times Cited: 8

DOI: 10.1016/j.actbio.2010.10.005

26. Title: A Statistical Approach to Optimize the Spray Drying of Starch Particles: Application to Dry Powder Coating

Author(s): Bilancetti, Luca; Poncelet, Denis; Loisel, Catherine; et al.

Source: Aaps Pharmscitech Volume: 11 Issue: 3 Pages: 1257-1267 Published: 2010

Times Cited: 4

DOI: 10.1208/s12249-010-9492-y

27. Title: Acceleration of functional maturation and differentiation of neonatal porcine islet cell monolayers shortly in vitro cocultured with microencapsulated sertoli cells

Author(s): Mancuso, Francesca; Calvitti, Mario; Luca, Giovanni; et al.

Source: Stem cells international Volume: 2010 Pages: 587213 Published: 2010

DOI: 10.4061/2010/587213

28. Title: Design, preparation and characterization of alginate based microdevices for mesenchymal stem cell immunoisolation

Author(s): Mazzitelli, S.; Penolazzi, L.; Lambertini, E.; et al.

Source: Journal of Biotechnology Volume: 150 Pages: S433 Published: 2010

Times Cited: 0

DOI: 10.1016/j.jbiotec.2010.09.611

29. Title: Effect of bioencapsulation on the secretomic profile ofIB3-1 cystic fibrosis cells

Author(s): Mazzitelli, S.; Borgatti, M.; Breveglieri, G.; et al.

Source: Journal of Biotechnology Volume: 150 Pages: S433-S434 Published: 2010

Times Cited: 0

DOI: 10.1016/j.jbiotec.2010.09.612

30. Title: Encapsulation of Mesenchymal Stem Cells from Wharton's Jelly in Alginate Microbeads

Author(s): Penolazzi, Letizia; Tavanti, Elisa; Vecchiatini, Renata; et al.

Source: Tissue Engineering Part C-Methods Volume: 16 Issue: 1 Pages: 141-155 Published: 2010

Times Cited: 25

DOI: 10.1089/ten.tec.2008.0582

31. Title: Induction by TNF-alpha of IL-6 and IL-8 in Cystic Fibrosis Bronchial IB3-1 Epithelial Cells Encapsulated in Alginate Microbeads

Author(s): Borgatti, Monica; Mazzitelli, Stefania; Breveglieri, Giulia; et al.

Source: Journal of Biomedicine and Biotechnology Published: 2010

Times Cited: 2

DOI: 10.1155/2010/907964

32. Title: Preparation and characterization of polysaccharidic microbeads by a microfluidic technique: Application to the encapsulation of Sertoli cells

Author(s): Capretto, L.; Mazzitelli, S.; Luca, G.; et al.

Source: Acta Biomaterialia Volume: 6 Issue: 2 Pages: 429-435 Published: 2010

Times Cited: 15

DOI: 10.1016/j.actbio.2009.08.023

33. Title: Process optimization for the production of alginate microparticles containing wjmscs by a design of experiments (doe) approach

Author(s): Mazzitelli, S.; Capretto, L.; Zhang, X. L.; et al.

Source: Journal of Controlled Release Volume: 148 Issue: 1 Pages: E76-E77 Published: 2010

Times Cited: 0

DOI: 10.1016/j.jconrel.2010.07.014

34. Title: Production of low cost microfluidic chips by a "shrinking" approach: Applications to emulsion and microparticle production

Author(s): Capretto, L.; Focaroli, S.; Zhang, X. L.; et al.

Source: Journal of Controlled Release Volume: 148 Issue: 1 Pages: E26-E28 Published: 2010

Times Cited: 1

DOI: 10.1016/j.jconrel.2010.07.038

35. Title: Xenograft of Microencapsulated Sertoli Cells Reverses T1DM in NOD Mice by Inducing Neogenesis of Beta-Cells

Author(s): Luca, Giovanni; Fallarino, Francesca; Calvitti, Mario; et al.

Source: Transplantation Volume: 90 Issue: 12 Pages: 1352-1357 Published: 2010

Times Cited: 4

DOI: 10.1097/TP.0b013e3181ffb9d2

36. Title: Optimization of lipospheres production by factorial design and their performances on a dielectrophoretic lab-on-a-chip platform

Author(s): Tosi, A.; Mazzitelli, S.; Capretto, L.; et al.

Source: Colloids and Surfaces a-Physicochemical and Engineering Aspects Volume: 340 Issue: 1-3 Pages: 77-85 Published: 2009

Times Cited: 6

DOI: 10.1016/j.colsurfa.2009.03.005

37. Title: Therapy of experimental type 1 diabetes by isolated Sertoli cell xenografts alone

Author(s): Fallarino, Francesca; Luca, Giovanni; Calvitti, Mario; et al.

Source: Journal of Experimental Medicine Volume: 206 Issue: 11 Pages: 2511-2526 Published: 2009

Times Cited: 26

DOI: 10.1084/jem.20090134

38. Title: TNF-alpha induced release of IL-8 by IB3-1 cells encapsulated in alginate microbeads

Author(s): Borgatti, M.; Mazzitelli, S.; Breveglieri, G.; et al.

Source: International Journal of Molecular Medicine Volume: 24 Pages: S66 Published: 2009

Times Cited: 0

39. Title: Comparison of different technologies for alginate beads production

Author(s): Pruesse, Ulf; Bilancetti, Luca; Bucko, Marek; et al.

Source: Chemical Papers Volume: 62 Issue: 4 Pages: 364-374 Published: 2008

Times Cited: 32

DOI: 10.2478/s11696-008-0035-x

40. Title: Effect of the gelation process on the production of alginate microbeads by microfluidic chip technology

Author(s): Capretto, Lorenzo; Mazzitelli, Stefania; Balestra, Cosimo; et al.

Source: Lab on a Chip Volume: 8 Issue: 4 Pages: 617-621 Published: 2008

Times Cited: 43

DOI: 10.1039/b714876c

41. Title: Levitation and movement of tripalmitin-based cationic lipospheres on a dielectrophoresis-based lab-on-a-chip device

Author(s): Fabbri, Enrica; Borgatti, Monica; Manaresi, Nicolo; et al.

Source: Journal of Applied Polymer Science Volume: 109 Issue: 6 Pages: 3484-3491 Published: 2008

Times Cited: 4

DOI: 10.1002/app.28413

42. Title: Lipid based microparticles for Lab-on-a-chip application: Factorial design evaluation of influence of formulation and process parameters

Author(s): Tosi, A.; Capretto, L.; Anselmi, C.; et al.

Source: Journal of Controlled Release Volume: 132 Issue: 3 Pages: E56-E58 Published: 2008

Times Cited: 0

DOI: 10.1016/j.jconrel.2008.09.055

43. Title: Living matrixes for peripheral nerve regeneration: Effect of process parameters on conduit characteristics

Author(s): Mazzitelli, S.; Capretto, L.; Tosi, A.; et al.

Source: Journal of Controlled Release Volume: 132 Issue: 3 Pages: E58-E60 Published: 2008

Times Cited: 0

DOI: 10.1016/j.jconrel.2008.09.056

44. Title: Peptide-based cationic molecules for the production of positive charged liposomes and micelles

Author(s): Cortesi, R.; Marastoni, M.; Tomatis, R.; et al.

Source: Journal of Microencapsulation Volume: 25 Issue: 2 Pages: 71-81 Published: 2008

Times Cited: 1

DOI: 10.1080/02652040701711403

45. Title: Preparation of microspheres based on alginate/agarose blends by microfluidic technique

Author(s): Capretto, L.; Mazzitelli, S.; Tosi, A.; et al.

Source: Journal of Controlled Release Volume: 132 Issue: 3 Pages: E55-E56 Published: 2008

Times Cited: 2

DOI: 10.1016/j.jconrel.2008.09.054

46. Title: Production and characterization of alginate microcapsules produced by a vibrational encapsulation device

Author(s): Mazzitelli, S.; Tosi, A.; Balestra, C.; et al.

Source: Journal of Biomaterials Applications Volume: 23 Issue: 2 Pages: 123-145 Published: 2008

Times Cited: 19

DOI: 10.1177/0885328207084958

47. Title: Rheological and functional characterization of new antiinflammatory delivery systems designed for buccal administration

Author(s): Perioli, Luana; Pagano, Cinzia; Mazzitelli, Stefania; et al.

Source: International Journal of Pharmaceutics Volume: 356 Issue: 1-2 Pages: 19-28 Published: 2008

Times Cited: 12

DOI: 10.1016/j.ijpharm.2007.12.027

48. Title: Encapsulation of sertoli cells in agarose-based microdevices for nerve repair: Preparation, characterization and in vitro biocompatibility

Author(s): Mazzitelli, S.; Balestra, C.; Tosi, A.; et al.

Source: Proceedings of the Fifth IASTED International Conference on Biomedical Engineering Pages: 462-464 Published: 2007

Times Cited: 0

49. Title: Encapsulation, in vitro characterization, and in vivo biocompatibility of Sertoli cells in alginate-based microcapsules

Author(s): Luca, Giovanni; Calvitti, Mario; Nastruzzi, Claudio; et al.

Source: Tissue Engineering Volume: 13 Issue: 3 Pages: 641-648 Published: 2007

Times Cited: 36

DOI: 10.1089/ten.2006.0137

50. Title: Lab on a chip for live-cell manipulation

Author(s): Medoro, Gianni; Nastruzzi, Claudio; Guerrieri, Roberto; et al.

Source: Ieee Design & Test of Computers Volume: 24 Issue: 1 Pages: 26-36 Published: 2007

Times Cited: 24

DOI: 10.1109/mdt.2007.21

51. Title: Liposomes and micellar dispersions for delivery of benzoheterocyclic derivatives of distamycin A

Author(s): Cortesi, R.; Esposito, E.; Cuccu, I.; et al.

Source: Drug Delivery Volume: 14 Issue: 1 Pages: 1-8 Published: 2007

Times Cited: 2

DOI: 10.1080/10717540600640211

52. Title: Oligonucleotide transport and cellular uptake by positively charged microparticles

Author(s): Mazzitelli, S.; Balestra, C.; Cortesi, R.; et al.

Source: Minerva Biotecnologica Volume: 19 Issue: 1 Pages: 33-42 Published: 2007

Times Cited: 1

53. Title: Design and production of alginate-based microdevices for Sertoli's cells encapsulation

Author(s): Bilancetti, L.; Tosi, A.; Di Croce, S.; et al.

Source: Minerva Biotecnologica Volume: 18 Issue: 1 Pages: 57-63 Published: 2006

Times Cited: 1

54. Title: Effects of simulated microgravity on the morphology and function of neonatal porcine cell clusters cultured with and without sertoli cells

Author(s): Luca, G.; Calvitti, M.; Nastruzzi, C.; et al.

Source: Cell Transplantation Volume: 15 Issue: 1 Pages: 55-65 Published: 2006

Times Cited: 7

DOI: 10.3727/000000006783982223

55. Title: New trends in bioencapsulation - Part 2 - Preface

Author(s): Nastruzzi, C.

Source: Minerva Biotecnologica Volume: 18 Issue: 1 Pages: 1 Published: 2006

Times Cited: 0

56. Title: Tripalmitin-based cationic lipospheres: Preparation, characterization and in Lab-on-a-chip applications

Author(s): Tosi, A.; Mazzitelli, S.; Bozzuto, N.; et al.

Source: Journal of Controlled Release Volume: 116 Issue: 2 Pages: E58-E60 Published: 2006

Times Cited: 0

DOI: 10.1016/j.jconrel.2006.09.049

57. Title: Accelerated functional maturation of isolated neonatal porcine cell clusters: In vitro and in vivo results in NOD mice

Author(s): Luca, G.; Nastruzzi, C.; Calvitti, M.; et al.

Source: Cell Transplantation Volume: 14 Issue: 5 Pages: 249-261 Published: 2005

Times Cited: 26

DOI: 10.3727/000000005783983034

58. Title: Cellulose acetate butyrate microcapsules containing dextran ion-exchange resins as self-propelled drug release system

Author(s): Fundueanu, G.; Constantin, M.; Esposito, E.; et al.

Source: Biomaterials Volume: 26 Issue: 20 Pages: 4337-4347 Published: 2005

Times Cited: 41

DOI: 10.1016/j.biomaterials.2004.10.036

59. Title: Cellulose acetate microparticles for lab-on-a-chip applications

Author(s): Di Croce, S.; Tosi, A.; Bilancetti, L.; et al.

Source: Minerva Biotecnologica Volume: 17 Issue: 4 Pages: 259-269 Published: 2005

Times Cited: 2

60. Title: Dielectrophoresis-based 'Lab-on-a-chip' devices for programmable binding of microspheres to target cells

Author(s): Borgatti, M.; Altomare, L.; Abonnec, M.; et al.

Source: International Journal of Oncology Volume: 27 Issue: 6 Pages: 1559-1566 Published: 2005

Times Cited: 21

61. Title: Effect of charge and lipid concentration on in-vivo percutaneous absorption of methyl nicotinate from liposomal vesicles

Author(s): Puglia, C.; Esposito, E.; Menegatti, E.; et al.

Source: Journal of Pharmacy and Pharmacology Volume: 57 Issue: 9 Pages: 1169-1176 Published: 2005

Times Cited: 5

DOI: 10.1211/jpp.57.9.0011

62. Title: New trends in bioencapsulation - Part 1 - Preface

Author(s): Nastruzzi, C.

Source: Minerva Biotecnologica Volume: 17 Issue: 4 Pages: 201 Published: 2005

Times Cited: 0

63. Title: Complexation to cationic microspheres of double-stranded peptide nucleic acid-DNA chimeras exhibiting decoy activity

Author(s): Mischiati, C.; Sereni, A.; Finotti, A.; et al.

Source: Journal of Biomedical Science Volume: 11 Issue: 5 Pages: 697-704 Published: 2004

Times Cited: 9

DOI: 10.1159/000079683

64. Title: Formulations for natural and peptide nucleic acids based on cationic polymeric submicron particles

Author(s): Cortesi, R.; Mischiati, C.; Borgatti, M.; et al.

Source: Aaps Pharmsci Volume: 6 Issue: 1 Published: 2004

Times Cited: 4

65. Title: Formulations for natural and peptide nucleic acids based on cationic polymeric submicron particles

Author(s): Cortesi, Rita; Mischiati, Carlo; Borgatti, Monica; et al.

Source: The AAPS journal Volume: 6 Issue: 1 Pages: 10-21 Published: 2004

DOI: 10.1208/ps060102

66. Title: Liposomes containing distamycins: Preparation, characterization and antiproliferative activity

Author(s): Cortesi, R.; Romagnoli, R.; Menegatti, E.; et al.

Source: Drug Delivery Volume: 11 Issue: 2 Pages: 83-88 Published: 2004

Times Cited: 4

DOI: 10.1080/10717540490280516

67. Title: Optimized parameters for microencapsulation of pancreatic islet cells: an in vitro study clueing on islet graft immunoprotection in type 1 diabetes mellitus

Author(s): Basta, G.; Sarchielli, P.; Luca, G.; et al.

Source: Transplant Immunology Volume: 13 Issue: 4 Pages: 289-296 Published: 2004

Times Cited: 29

DOI: 10.1016/j.trim.2004.10.003

68. Title: Peptide nucleic acids (PNA)-DNA chimeras targeting transcription factors as a tool to modify gene expression

Author(s): Borgatti, M.; Finotti, A.; Romanelli, A.; et al.

Source: Current Drug Targets Volume: 5 Issue: 8 Pages: 735-744 Published: 2004

Times Cited: 19

DOI: 10.2174/1389450043345155

69. Title: Aminated polysaccharide microspheres as DNA delivery systems

Author(s): Constantin, M.; Fundueanu, G.; Cortesi, R.; et al.

Source: Drug Delivery Volume: 10 Issue: 3 Pages: 139-149 Published: 2003

Times Cited: 7

DOI: 10.1080/10717540390215537

70. Title: Diffusion of preservatives from topical dosage forms: A comparative study

Author(s): Esposito, E.; Bortolotti, F.; Nastruzzi, C.; et al.

Source: Journal of Cosmetic Science Volume: 54 Issue: 3 Pages: 239-250 Published: 2003

Times Cited: 7

71. Title: Multifunctional microcapsules for pancreatic islet cell entrapment: design, preparation and in vitro characterization

Author(s): Luca, G.; Basta, G.; Calafiore, R.; et al.

Source: Biomaterials Volume: 24 Issue: 18 Pages: 3101-3114 Published: 2003

Times Cited: 24

DOI: 10.1016/s0142-9612(03)00118-2

72. Title: Preparation and characterization of acrylic copolymer microspheres for the oral controlled release of lipophilic quinidine

Author(s): Fundueanu, G.; Constantin, M.; Mocanu, G.; et al.

Source: Stp Pharma Sciences Volume: 13 Issue: 5 Pages: 305-312 Published: 2003

Times Cited: 0

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Author(s): Borgatti, M.; Romanelli, A.; Saviano, M.; et al.

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Author(s): Borgatti, M.; Breda, L.; Cortesi, R.; et al.

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Author(s): Esposito, E.; Cortesi, R.; Porta, R.; et al.

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Times Cited: 150

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Author(s): Esposito, E.; Sebben, S.; Cortesi, R.; et al.

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Author(s): Esposito, E.; Zanella, C.; Cortesi, R.; et al.

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Author(s): Cortesi, R.; Esposito, E.; Maietti, A.; et al.

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Times Cited: 3

DOI: 10.3109/02652049809006873

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Author(s): Cortesi, R.; Nastruzzi, C.; Davis, S. S.

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DOI: 10.1016/s0142-9612(98)00034-9

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Author(s): Cortesi, R.; Esposito, E.; Menegatti, E.; et al.

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Author(s): Esposito, E.; Pastesini, C.; Cortesi, R.; et al.

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Author(s): Cortesi, R.; Esposito, E.; Gambari, R.; et al.

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Times Cited: 0

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Author(s): Gambari, R.; Nastruzzi, C.

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Author(s): Nastruzzi, C.; Gambari, R.

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Author(s): Feriotto, G.; Nastruzzi, C.; Cortesi, R.; et al.

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Author(s): Gambari, R.; Nastruzzi, C.

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Author(s): Cortesi, R.; Esposito, E.; Menegatti, E.; et al.

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Times Cited: 14

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131. Title: LIPOSOME-ASSOCIATED RETINOIDS - PRODUCTION, CHARACTERIZATION AND ANTIPROLIFERATIVE ACTIVITY ON NEOPLASTIC-CELLS

Author(s): Cortesi, R.; Esposito, E.; Gambari, R.; et al.

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Author(s): Munerati, M.; Cortesi, R.; Ferrari, D.; et al.

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Author(s): Nastruzzi, C.; Pastesini, C.; Cortesi, R.; et al.

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Author(s): Nastruzzi, C.; Esposito, E.; Pastesini, C.; et al.

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Author(s): Nastruzzi, C.; Menegatti, E.; Pastesini, C.; et al.

Source: Biochemical Pharmacology Volume: 44 Issue: 10 Pages: 1985-1994 Published: 1992

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Author(s): Feriotto, G.; Nastruzzi, C.; Mischiati, C.; et al.

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Author(s): Simoni, D.; Manfredini, S.; Tabrizi, M. A.; et al.

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Author(s): Walde, P.; Nastruzzi, C.

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DOI: 10.1016/0308-8146(91)90143-c

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Author(s): Colombo, L. M.; Nastruzzi, C.; Luisi, P. L.; et al.

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Author(s): Gambari, R.; Barbieri, R.; Nastruzzi, C.; et al.

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Author(s): Nastruzzi, C.; Feriotto, G.; Gambari, R.

Source: Thrombosis Research Volume: 63 Issue: 5 Pages: 557-561 Published: 1991

Times Cited: 3

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Author(s): Feriotto, G.; Cortesi, R.; Nastruzzi, C.; et al.

Source: Farmaco Volume: 46 Issue: 11 Pages: 1323-1335 Published: 1991

Times Cited: 1

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Author(s): Nastruzzi, C.; Spandidos, D.; Feriotto, G.; et al.

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Times Cited: 0

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Author(s): Menegatti, E.; Ferroni, R.; Nastruzzi, C.; et al.

Source: Farmaco Volume: 46 Issue: 11 Pages: 1297-1310 Published: 1991

Times Cited: 3

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Author(s): Nastruzzi, C.; Feriotto, G.; Walde, P.; et al.

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Times Cited: 0

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Author(s): Feriotto, G.; Pozzi, L.; Deledda, F.; et al.

Source: Cytotechnology Volume: 5 Pages: 55-56 Published: 1991

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Author(s): Gambari, R.; Volinia, S.; Feriotto, G.; et al.

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Author(s): Ferroni, R.; Simoni, D.; Binato, G.; et al.

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Times Cited: 2

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Author(s): Simoni, D.; Manfredini, S.; Tabrizi, M. A.; et al.

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Author(s): Gambari, R.; Chiorboli, V.; Feriotto, G.; et al.

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Times Cited: 11

DOI: 10.1016/0378-5173(91)90115-5

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Author(s): Giacomini, P.; Ciucci, A.; Nicotra, M. R.; et al.

Source: Immunogenetics Volume: 34 Issue: 6 Pages: 385-391 Published: 1991

Times Cited: 12

DOI: 10.1007/bf01787489

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Author(s): Feriotto, G.; Pozzi, L.; Piva, R.; et al.

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Times Cited: 6

DOI: 10.1016/0006-291x(91)91586-2

153. Title: BINDING OF NUCLEAR FACTORS TO THE IFN-GAMMA CONSENSUS SEQUENCE OF THE HUMAN HLA-DR-ALPHA GENE - EFFECTS OF IFN-GAMMA ON TUMOR-CELL LINES

Author(s): Gambari, R.; Barbieri, R.; Nastruzzi, C.; et al.

Source: Journal of Biological Regulators and Homeostatic Agents Volume: 4 Issue: 3 Pages: 98-106 Published: 1990

Times Cited: 0

154. Title: CODON USAGE AND SECONDARY STRUCTURE OF THE RABBIT ALPHA-GLOBIN MESSENGER-RNA - A HYPOTHESIS

Author(s): Gambari, R.; Nastruzzi, C.; Barbieri, R.

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Times Cited: 4

155. Title: EFFECTS OF THE PROTEINASE-INHIBITOR TETRA-P-AMIDINOPHENOXYNEOPENTANE ON INVITRO ADHESION AND INVASIVENESS OF TUMOR-CELLS

Author(s): Gambari, R.; Barbieri, R.; Feriotto, G.; et al.

Source: Anticancer Research Volume: 10 Issue: 1 Pages: 259-263 Published: 1990

Times Cited: 7

156. Title: HUMAN HLA-DR-ALPHA GENE - A RARE OLIGONUCLEOTIDE (GTATA) IDENTIFIES AN UPSTREAM SEQUENCE REQUIRED FOR NUCLEAR-PROTEIN BINDING

Author(s): Barbieri, R.; Giacomini, P.; Volinia, S.; et al.

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Times Cited: 19

DOI: 10.1016/0014-5793(90)80970-t

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Author(s): Nastruzzi, C.; Walde, P.; Menegatti, E.; et al.

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Times Cited: 20

DOI: 10.1016/0014-5793(90)80030-m

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Author(s): Barbieri, R.; Nastruzzi, C.; Volinia, S.; et al.

Source: Journal of Immunogenetics Volume: 17 Issue: 1-2 Pages: 51-66 Published: 1990

Times Cited: 6

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Author(s): Giacomini, P.; Gambari, R.; Barbieri, R.; et al.

Source: Anticancer Research Volume: 10 Issue: 3 Pages: 629-636 Published: 1990

Times Cited: 4

160. Title: SYNTHESIS OF SOME ISOXAZOLE ANALOGS OF RETINOIDS - BIOLOGICAL EFFECTS TOWARD TUMOR-CELL LINES

Author(s): Baraldi, P. G.; Guarneri, M.; Manfredini, S.; et al.

Source: European Journal of Medicinal Chemistry Volume: 25 Issue: 3 Pages: 279-284 Published: 1990

Times Cited: 17

DOI: 10.1016/0223-5234(90)90212-l

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Author(s): Nastruzzi, C.; Barbieri, R.; Ferroni, R.; et al.

Source: Cancer Letters Volume: 50 Issue: 2 Pages: 93-102 Published: 1990

Times Cited: 9

DOI: 10.1016/0304-3835(90)90237-r

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Author(s): Nastruzzi, C.; Gambari, R.; Menegatti, E.; et al.

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Times Cited: 11

DOI: 10.1002/jps.2600790804

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Author(s): Bartolazzi, A.; Barbieri, R.; Nastruzzi, C.; et al.

Source: In vivo (Athens, Greece) Volume: 3 Issue: 6 Pages: 383-7 Published: 1989

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Author(s): Nastruzzi, C.; Walde, P.; Menegatti, E.; et al.

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Times Cited: 7

DOI: 10.1016/0167-4889(89)90124-9

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Author(s): Barbieri, R.; Mischiati, C.; Piva, R.; et al.

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Times Cited: 7

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Author(s): Barbieri, R.; Rimondi, A. P.; Buzzoni, D.; et al.

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Times Cited: 1

DOI: 10.1007/bf01753662

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Author(s): Nastruzzi, C.; Feriotto, G.; Barbieri, R.; et al.

Source: Cell Biology International Reports Volume: 13 Issue: 9 Pages: 791-803 Published: 1989

Times Cited: 1

DOI: 10.1016/0309-1651(89)90056-8

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Author(s): Nastruzzi, C.; Feriotto, G.; Spandidos, D.; et al.

Source: Clinical & Experimental Metastasis Volume: 7 Issue: 1 Pages: 25-39 Published: 1989

Times Cited: 18

DOI: 10.1007/bf02057179

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Author(s): Biancha Scarra, G.; Fiorentini, P.; Gambari, R.; et al.

Source: Experimental hematology Volume: 17 Issue: 8 Pages: 859-64 Published: 1989-Sep

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Author(s): Scarra, G. B.; Fiorentini, P.; Gambari, R.; et al.

Source: Experimental Hematology Volume: 17 Issue: 8 Pages: 859-864 Published: 1989

Times Cited: 2

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Author(s): Barbieri, R.; Gambari, R.; Buzzoni, D.; et al.

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Times Cited: 1

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Author(s): Nastruzzi, C.; Simoni, D.; Manfredini, S.; et al.

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Times Cited: 5

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Author(s): Mischiati, C.; Barbieri, R.; Nastruzzi, C.; et al.

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Author(s): Nastruzzi, C.; Feriotto, G.; Barbieri, R.; et al.

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Times Cited: 0

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Author(s): Nastruzzi, C.; Feriotto, G.; Barbieri, R.; et al.

Source: Cancer Letters Volume: 38 Issue: 3 Pages: 297-305 Published: 1988

Times Cited: 11

DOI: 10.1016/0304-3835(88)90021-3

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Author(s): Barbieri, R.; Mischiati, C.; Orlando, P.; et al.

Source: Anticancer Research Volume: 8 Issue: 5 Pages: 1139 Published: 1988

Times Cited: 0

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Author(s): Nastruzzi, C.; Feriotto, G.; Spandidos, D.; et al.

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Times Cited: 7

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Source: Anticancer Research Volume: 8 Issue: 5 Pages: 1134-1135 Published: 1988

Times Cited: 0

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Author(s): Nastruzzi, C.; Barbieri, R.; Ferroni, R.; et al.

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Author(s): Feriotto, G.; Nastruzzi, C.; Barbieri, R.; et al.

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Author(s): Gambari, R.; Nastruzzi, C.; Spandidos, D. A.; et al.

Source: Anticancer Research Volume: 8 Issue: 5 Pages: 1065 Published: 1988

Times Cited: 0

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Author(s): Nastruzzi, C.; Simoni, D.; Manfredini, S.; et al.

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Author(s): Piva, R.; Barbieri, R.; Mischiati, C.; et al.

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Author(s): Nastruzzi, C.; Feriotto, G.; Barbieri, R.; et al.

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