

PERSONAL INFORMATION

Roberto Chiesa



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 roberto.chiesa@polimi.it

Sex Male | Date of birth 11/02/1966 | Nationality Italy

PREFERRED JOB

Scientific research, technology transfer and teaching in the field of Materials Science and Technology and Biomaterials

WORK EXPERIENCE

2011-Now

Full Professor in Materials Science and Technology

Politecnico di Milano, Department of Chemistry, Materials and Chemical Engineering

- Scientific research, education, management of research team, management of national and international projects, technology transfer

Business or sector Education, research, technology transfer

2004-2011

Associate Professor in Materials Science and Technology

Politecnico di Milano, Department of Chemistry, Materials and Chemical Engineering

- Scientific research, education, research results exploitation, technology transfer

Business or sector Education, research, technology transfer

2001-2004

Assistant Professor in Materials Science and Technology

Politecnico di Milano, Department of Chemistry, Materials and Chemical Engineering

- Scientific research, education, research results exploitation, technology transfer

Business or sector Education, research, technology transfer

1996-2001

Post-doc and grant holder positions

Politecnico di Milano, Department of Chemistry, Materials and Chemical Engineering

- Scientific research, technology transfer

Business or sector Research, technology transfer

EDUCATION AND TRAINING

(1993-1996)

PhD in Materials Engineering

Politecnico di Milano, Department of Chemistry, Materials and Chemical Engineering

- Thesis project on wear characterization of orthopaedic joints

(1993)

Master in Management, Economics and Industrial Engineering

Politecnico di Milano

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience in international projects

Organisational / managerial skills

- Leadership of research team, member of the scientific board of consortium and companies (INSTM, NextMaterials s.r.l.)

Job-related skills

- Good attitude to manage interdisciplinary projects
- Capability to drive exploitable research results in industrial innovation (technology transfer)
- Teaching

Computer skills

- Use of Microsoft based environments, good experience on Microsoft Office™ tools

Driving licence

- Italian driving licence and California driving licence

ADDITIONAL INFORMATION

Publications

Over 120 publications in national and international journals. The H index of Roberto Chiesa Scientific Production calculated by Scopus in January 2022 is ranking 26.

Presentations

Over 200 presentations in national and international Conferences

Projects

Participation to many national and international research projects.

Conferences

Speaker and invited speaker in many universities and conferences.

Seminars

Organizer of many seminars, workshop and schools related to materials for biomedical applications.

Honours and awards

President of the Italian Society for Biomaterials (2009-2013).

Member of the Council of the European Society for Biomaterials (2009-2013).

Member of the Italian national commission for the Italian National qualification to professorship in Materials Science and Technology (2016-2018).

Three international patents on surface modification of materials for biomedical applications licensed to companies.

Memberships

European Society for Biomaterials, Italian Society for Biomaterials.

Milan, 7 April 2020



Annex: List of selected publications

List of publications

- F. Brossa, A. Cigada, R. Chiesa, L. Paracchini, C. Consonni
ADHESION PROPERTIES OF PLASMA SPRAYED HYDROXYAPATITE COATINGS FOR ORTHOPAEDIC PROSTHESES
Bio-Medical Materials and Engineering, Vol. 3, No 3, pp 127-136, 1993.
- F. Brossa, A. Cigada, R. Chiesa, L. Paracchini, C. Consonni
SVILUPPO E CARATTERIZZAZIONE DI RIPORTI PLASMA SPRAY DI TITANIO E IDROSSIAPATITE
Biomateriali, 8, ½, 27-36, (1994) ISSN 1124-3554
- M. Ferraris, P. Rabajoli, F. Brossa, L. Paracchini, R. Chiesa
RIVESTIMENTI DI BIOCOSMOTI PRODOTTI CON TECNICA PLASMA SPRAY SOTTO VUOTO
Biomateriali (1/2) (1994) ISSN 1124-3554
- A.Cigada, B.Vicentini, G.Rondelli, R.Chiesa, L.Paracchini
CARATTERIZZAZIONE A FATICA DI UNA LEGA Ti6Al4V CON DIVERSI TRATTAMENTI SUPERFICIALI
Gnoseis, 1, 1, 21-23 (1994) ISSN 1123-3044
- F. Brossa, A. Cigada, R. Chiesa, L. Paracchini, C. Consonni
POST DEPOSITION HEAT TREATMENT EFFECTS ON HYDROXYAPATITE VACUUM PLASMA SPRAY COATINGS
Journal of Materials Science: Materials in Medicine, 5 (1994), 855-857
- F. Brossa, A. Cigada, S. Farè, L. Paracchini, R. Chiesa
THE INFLUENCE OF SURFACE MODIFICATIONS ON WEAR OF HIP JOINTS PROSTHESES
Surface Modification Technologies VIII, T.S.Sudarshan and M.Jeandin Eds., 856-861(1995)
- F. Brossa, A. Cigada, L. Paracchini, R. Chiesa, C. Consonni
MECHANICAL CHARACTERIZATION OF GLASS-CERAMIC LAYER ON TITANIUM ALLOYS FOR DENTAL PROSTHESES
Fourth Euro Ceramics, Vol. 8, Bioceramics, A. Ravaglioli Ed., 285-291 (1995)
- McKellop HM, Park SH, Chiesa R, Doorn PF, Lu B, Normand P, Grigoris P, Amstutz HC
THREE TYPES OF METAL-METAL HIP PROSTHESES DURING TWO DECADES OF USE
Clinical Orthopaedic and Related Research, 329S (1996).
- F. Brossa, A. Cigada, S. Farè, R. Chiesa, L. Paracchini
TRIBOLOGICAL BEHAVIOUR OF Ti6Al4V MODIFIED BY SURFACE TREATMENTS.
Journal of Material Science: Materials in Medicine, 7 (1996) 471-474.
- A. Cigada, M.C. Tanzi, F. Brossa, L. Paracchini, R. Chiesa
DEGRADAZIONE DELL'UHMW-POLIETILENE PER PROTESI ORTOPEDICHE A SEGUITO DI STAMPAGGIO PER COMPRESSIONE E
STERILIZZAZIONE CON RAGGI- γ
Atti 3° Congresso nazionale AIMAT, Napoli, 25-27/9/1986, 788-794 (1996). De Frede Editore, Napoli, 1996.
- S-H Park, H.M. McKellop, B. Lu, F. Chan, R. Chiesa
WEAR MORPHOLOGY OF METAL-METAL IMPLANTS: HIP SIMULATOR TESTS COMPARED TO CLINICAL RETRIEVALS
Alternative bearing surfaces in Total Joint replacements, ASTM, STP 1346, Jacobs and T.L. Craig, Eds., American Society for Testing
and Materials, (1998) ISBN 0-8031-2490-2
- A12
U.E. Pazzaglia, F. Brossa, F. Zatti, R. Chiesa, L. Andrini
THE RELEVANCE OF HYDROXYAPATITE AND SPONGIOUS TITANIUM COATINGS IN FIXATION OF CEMENTLESS STEMS. AN
EXPERIMENTAL COMPARATIVE STUDY IN RAT FEMUR EMPLOYING HISTOLOGICAL AND MICROANGIOGRAPHIC TECHNIQUES
Arch Orthop Trauma Surg 1998;117(4-5):279-85
- M. Cabrini, R. Chiesa, S. Alfonsi, A. Cigada
FINITURA SUPERFICIALE DI STELI DI PROTESI D'ANCA PRESS-FIT IN LEGA Ti6Al4V

Atti del IV° Congresso Nazionale AIMAT, 337-344 (1998)

A. Cigada, M.C. Tanzi, R. Chiesa, S. Alfonsi, L. Paracchini, F. Brossa
SVILUPPO DI UN PROCESSO PER MINIMIZZARE L'USURA DELL'UHMWPE PER PROTESI ORTOPEDICHE
ATTI DEL IV° CONGRESSO NAZIONALE AIMAT, 345-352 (1998)

M. Fini, A. Cigada, G. Rondelli, R. Chiesa, R. Giardino, G. Giavaresi, N. Nicoli Aldini, P. Torricelli, B. Vicentini
IN VITRO AND IN VIVO BEHAVIOUR OF COMMERCIALY PURE, ANODIZED AND HYDROTHERMALLY TREATED TITANIUM
Biomaterials, 20, 1587-1594 (1999)

R. Chiesa, M.C. Tanzi, S. Alfonsi, L. Paracchini, M. Moscatelli, A. Cigada
ENHANCED WEAR PERFORMANCE OF HIGHLY CROSSLINKED UHMWPE FOR ARTIFICIAL JOINTS
Journal of Biomedical Materials Research, 50, 3, 381-387 (2000)

G. Rondelli, A. Cigada, R. Chiesa, B. Vicentini, F. Billi, T. Micelli
EFFETTO DELLO STAMPAGGIO SULLA RESISTENZA ALLA CORROSIONE LOCALIZZATA DI ACCIAI AD ALTO TENORE DI AZOTO
PER APPLICAZIONI ORTOPEDICHE
Biomateriali 99, editor C. Piconi, ENEA, maggio 2000, p. 325-330, ISBN 88-8286-073-6

M. Moscatelli, R. Chiesa, M.C. Tanzi, L. Vandini, A. Cigada
MINIMIZZAZIONE DEI FENOMENI DI USURA DELL'UHMWPE PER PROTESI ARTICOLARI
Biomateriali 99, editor C. Piconi, ENEA, maggio 2000, p.199-204, ISBN 88-8286-073-6

M.F. Brunella, G. Gauri, R. Chiesa, A. Cigada
RESISTENZA A FATICA DI CEMENTI OSSEI PER PROTESI ORTOPEDICHE
Biomateriali 99, editor C. Piconi, ENEA, maggio 2000, p.247-252, ISBN 88-8286-073-6

T. Dikonimos Makris, R. Giorgi, R. Chiesa, G. Rondelli
SURFACE STUDY OF DENTAL OSSEOINTEGRATED IMPLANTS PREPARED BY INNOVATIVE FINISHING PROCEDURES
Biomateriali 99, editor C. Piconi, ENEA, maggio 2000, p.115-123, ISBN 88-8286-073-6

A. Cigada, R. Chiesa, M.F. Brunella, R. Di Lenarda, C. Schmidt, M. Biasotto
SVILUPPO E CARATTERIZZAZIONE DI DIFFERENTI FINITURE DI IMPIANTI DENTALI OSTEOINTEGRATI
Biomateriali 99, editor C. Piconi, ENEA, maggio 2000, p.109-113, ISBN 88-8286-073-6

M.F. Brunella, R. Chiesa, G. Gauri, A. Cigada
RESISTENZA A CREEP DI CEMENTI OSSEI PER PROTESI ORTOPEDICHE
Atti del V° Congresso Nazionale AIMAT, p.7-11 (2000)

G. Rondelli, B. Vicentini, F. Billi, R. Chiesa, G. Fumagalli, A. Cigada
NUOVI ACCIAI AUSTENITICI PER IMPIEGHI ORTOPEDICI A BASSISSIMO TENORE DI NICHEL
Atti del V° Congresso Nazionale AIMAT, p.13-16 (2000)

M. Biasotto, N. Scuor, R. Chiesa, C. Schmid, R. Di Lenarda, A. Cigada
TRATTAMENTI SUPERFICIALI PER IMPIANTI DENTALI OSTEOINTEGRATI
Biomateriali, Vol. 14 N. 2, p. 9-10 (2000) ISSN 1124-3554

F. Billi, R. Chiesa, G. Rondelli, A. Cigada, B. Vicentini, MF Stroosnijder
STUDIO DEL RILASCIO DI NICHEL IN ACCIAI INNOVATIVI PER USO ORTOPEDICO
Biomateriali, Vol. 14 N. 2, p. 11-12 (2000) ISSN 1124-3554

R. Chiesa, M. Moscatelli, M.C. Tanzi, L. Vandini, A. Cigada
TRATTAMENTI INNOVATIVI DI RETICOLAZIONE E STABILIZZAZIONE PER AUMENTARE LA RESISTENZA ALL'USURA DEL
UHMWPE
Biomateriali, Vol. 14 N. 2, p. 21-23 (2000) ISSN 1124-3554

M. Cosentino, F. Moretti, M.F. Brunella, R. Chiesa, A. Cigada
COMPORTAMENTO DI CEMENTI OSSEI TRADIZIONALI ED INNOVATIVI A SOLLECITAZIONI DINAMICHE

Biomateriali, Vol. 14 N. 2, p. 25-26 (2000) ISSN 1124-3554

L. Rimondini, R. Chiesa, C. Piconi
VERIFICA DELLA ADESIONE BATTERICA PRECOCE IN VIVO SU SUPERFICI DI TITANIO E DI ZIRCONIA Y-TZP PER LA COSTRUZIONE DI ABUTMENT DENTALI
Biomateriali, Vol. 14 N. 3, p. 19-20 (2000) ISSN 1124-3554

M. Biasotto, N. Scuro, R. Chiesa, C. Schmid, R. Di Lenarda, A. Cigada
CARATTERIZZAZIONE DI SUPERFICI DI TITANIO PER IMPIANTI
Biomateriali, Vol. 15 N. 1, p. 5-13 (2001) ISSN 1124-3554

M.F. Brunella, M. Cosentino, F. Moretti, R. Chiesa, A. Cigada
RESISTENZA ALL'AFFONDAMENTO DI CEMENTI OSSEI COMMERCIALI
Biomateriali, Vol. 15 N. 1, p. 15-19 (2001) ISSN 1124-3554

R. Chiesa, F. Filus, V. Gonzalez-Mora, M. Hoffmann, M.F. Stroosnijder, A. Cigada
TRATTAMENTI SUPERFICIALI SU CoCrMo PER LIMITARE L'USURA DEL UHMWPE PER PROTESI ARTIOLARI ORTOPEDICHE
La Metallurgia Italiana, 9/2001 p. 35-42 (2001) ISSN 0026-0843

A. Cigada, M.F. Brunella, R. Chiesa
BIOMECHANICAL ASPECTS OF BONE CEMENT: THE EFFECT OF DYNAMIC STRESS
Bone Cement and Cemented Fixation of Implants: 40 years of clinical practice and prospective for the future, F. Pipino editor, pp. 41-53, (2001)

A. Cigada, R. Chiesa
LA TRIBOLOGIA DEGLI IMPIANTI PROTESICI: A) CONCETTI GENERALI
In "LA PROTESI TOTALE DELL'ANCA", edito a cura di Vittorio Salvi, CD-ROM (2001)

A. Cigada, R. Chiesa
LA TRIBOLOGIA DEGLI IMPIANTI PROTESICI: A) LE LEGHE METALLICHE
In "LA PROTESI TOTALE DELL'ANCA", edito a cura di Vittorio Salvi, CD-ROM (2001)

V. Gonzalez-Mora, M. Hoffmann, J. Hampshire, R. Chiesa, A. Cigada, M.F. Stroosnijder
WEAR OF ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE SLIDING AGAINST A CoCrMo COATING APPLIED BY PHYSICAL VAPOR DEPOSITION
In "Surface Modification Technologies XIV", Edited by T.S. Sudarshan and M. Jeandin, ASM International, materials Park, Ohio and IOM Communications Ltd., UK, 2001

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M.F. Brunella, B. Bosi, R. Chiesa, A. Cigada, S. Farè, S. Agati, G. Bruschi, A. Vitali
HEART VALVES RETRIEVAL FAILURE ANALYSIS VS. CLINICAL DATA
In "Advanced Materials for Biomedical Applications, COM 2002", edited by D. Mantovani, 11-14/08/2002, p. 247-256

F. Brunella, R. Chiesa, A. Cigada
DYNAMIC MECHANICAL CHARACTERIZATION OF ACRYLIC BONE CEMENTS FOR ORTHOPAEDIC APPLICATIONS
EUROMAT 2001 - 7th European Conference on Advanced materials and Processes, Rimini, 10-14 June 2001, pp. 1-5, CD-ROM

G. Rondelli, B. Vicentini, A. Cigada, R. Chiesa, L. Migliardi
APPLICATION OF ELECTROCHEMICAL METHODS TO THE STUDY OF SURFACE TREATMENTS OF TITANIUM
EUROMAT 2001 - 7th European Conference on Advanced materials and Processes, Rimini, 10-14 June 2001, pp. 1-7, CD-ROM

R. Chiesa, M. Moscatelli, V. Gonzalez Mora, Michael Hoffmann, M.C. Tanzi, A. Cigada
MECHANICAL PROPERTIES AND WEAR PERFORMANCE OF WATER STABILIZED, GAMMA RAY IRRADIATED UHMWPE
EUROMAT 2001 - 7th European Conference on Advanced materials and Processes, Rimini, 10-14 June 2001, pp. 1-8, CD-ROM

V. Gonzalez-Mora, M. Hoffmann, M.F. Stroosnijder, R. Chiesa, A. Cigada
SCREENING WEAR TESTER VS. HIP JOINT SIMULATOR: RESULTS ON UHMWPE SLIDING AGAINST THREE DIFFERENT COCRMO COUNTERFACES

EUROMAT 2001 - 7th European Conference on Advanced materials and Processes, Rimini, 10-14 June 2001 pp.1-4, CD-ROM

G. Giavaresi, M. Fini, R. Chiesa, L. Rimondini, G. Rondelli, V. Borsari, L. Martini, N. Nicoli Aldini, G.A. Guzzardella, R. Giardino
OSSEointegration of sandblasted or anodised hydrothermally-treated titanium implants: mechanical, histomorphometric and bone hardness measurements
Int J Artif Organs. 2002 Aug; 25(8):806-13

A. Hoffmann, V. Gonzalez-Mora, R. Chiesa, A. Cigada M.F. Stroosnijder
SCREENING OF STABILIZED CROSSLINKED POLYETHYLENE USING A NOVEL WEAR TESTER
Bio-Medical Materials and Engineering, Vol. 12, No 4, pp 387-395, 2002.

A. Cigada, R. Chiesa, M.R. Pinasco, K. Hisatsune
METALLIC MATERIALS (p. 255 - 296)
In "Integrated Biomaterials Science", edited by Rolando Barbucci, Kluwer Academic Press / Plenum Publisher, New York, USA, ISBN 0-306-46678-3

G. Giavaresi, M. Fini, A. Cigada, R. Chiesa, G. Rondelli, L. Rimondini, P. Torricelli, N. Nicoli Aldini, R. Giardino
MECHANICAL AND HISTOMORPHOMETRIC EVALUATIONS OF TITANIUM IMPLANTS WITH DIFFERENT SURFACE TREATMENTS INSERTED IN SHEEP CORTICAL BONE
Biomaterials, 24 (9) (2003) pp. 1583-1594

E. Sandrini, R. Chiesa, G. Rondelli, M. Santin, A. Cigada
A NOVEL BIOMIMETIC TREATMENT FOR AN IMPROVED OSTEOINTEGRATION OF TITANIUM
Journal of Applied Biomaterials & Biomechanics, 2003; 1: 33-42

R. Chiesa, E. Sandrini, M. Santin, G. Rondelli, A. Cigada
OSTEOINTEGRATION OF TITANIUM AND ITS ALLOYS BY ANODIC SPARK DEPOSITION AND OTHER ELECTROCHEMICAL TECHNIQUES: A REVIEW
Journal of Applied Biomaterials & Biomechanics, 2003; 1: 91-107

L. Rimondini, S. Farè, R. Chiesa, M.P. Pedeferra, A. Carrassi
THE EFFECT OF COMPOSITION, WETTABILITY AND ROUGHNESS OF THE SUBSTRATE ON IN VIVO EARLY BACTERIAL COLONIZATION OF TITANIUM
Journal of Applied Biomaterials & Biomechanics, 2003; 1: 131-138

V. Gonzalez-Mora, M. Hoffmann, R. Chiesa, A. Cigada, J. Hampshire, M.F. Stroosnijder
SCREENING WEAR TESTER VERSUS HIP JOINT SIMULATOR: RESULTS OF UHMWPE SLIDING AGAINST DIFFERENT CoCrMo COUNTERFACES
Surface Engineering, 1 February 2003, vol. 19, no. 1, pp. 45-50(6) Maney Publishing

M. Fini, N. Nicoli Aldini, P. Torricelli, G. Giavaresi, V. Borsari, H. Lenger, J. Bernauer, R. Giardino, R. Chiesa, A. Cigada
A NEW AUSTENITIC STAINLESS STEEL WITH NEGLIGIBLE NICKEL CONTENT: AN IN VITRO AND IN VIVO COMPARATIVE INVESTIGATION
Biomaterials, 24 (9) (2003) pp. 4929-4939

G. Giavaresi, M. Fini, A. Cigada, R. Chiesa, G. Rondelli, L. Rimondini, N. Nicoli Aldini, L. Martini, R. Giardino
HISTOMORPHOMETRIC AND MICROHARDNESS ASSESSMENTS OF SHEEP CORTICAL BONE SURROUNDING TITANIUM IMPLANTS WITH DIFFERENT SURFACE TREATMENTS
Journal of Biomedical Materials Research, 67, 1, 112-120 (2003)

E. Ebramzadeh, S.N. Sangiorgio, F. Lattuada, J-S Kang, R. Chiesa, H.A. McKellop, L.D. Dorr
ACCURACY OF MEASUREMENT OF POLYETHYLENE WEAR WITH USE OF RADIOGRAPHS OF TOTAL HIP REPLACEMENTS
Journal of Bone & Joint Surgery, Vol 85-A, N. 12, December 2003, p. 2378-2384

R. Chiesa, M. Moscatelli, C. Giordano, F. Siccardi, A. Cigada
INFLUENCE OF HEAT TREATMENT ON STRUCTURAL, MECHANICAL AND WEAR PROPERTIES OF CROSSLINKED UHMWPE
Journal of Applied Biomaterials & Biomechanics, 2004; Vol 2: N. 1, pp. 20-28

V. Borsari, G. Giavaresi, M. Fini, P. Torricelli; M. Tschon, R. Chiesa, L. Chiusoli, A. Salito, A. Volpert, R. Giardino
COMPARATIVE IN VITRO STUDY ON A ULTRA-HIGH ROUGHNESS AND DENSE TITANIUM COATING
Biomaterials, 26 (24) (2005) pp.4948-4955

E. Sandrini, C. Morris, R. Chiesa, A. Cigada, M. Santin
IN VITRO ASSESSMENT OF THE OSTEOINTEGRATIVE POTENTIAL OF A NOVEL MULTIPHASE ANODIC SPARK DEPOSITION
COATING FOR ORTHOPAEDIC AND DENTAL IMPLANTS
Journal of Biomedical Materials Research, 73B, 2, 392-399 (2005)

M. Cioffi, D. Gilliland, G. Ceccone, R. Chiesa, A. Cigada
ELECTROCHEMICAL RELEASE TESTING OF NICKEL-TITANIUM ORTHODONTIC WIRES IN ARTIFICIAL SALIVA USING THIN
LAYER ACTIVATION
Acta Biomaterialia 1 (2005) 717-724

V. Borsari, G. Giavaresi, M. Fini, P. Torricelli, A. Salito, R. Chiesa, L. Chiusoli, A. Volpert, L. Rimondini, R. Giardino
PHYSICAL CHARACTERIZATION OF DIFFERENT-ROUGHNESS TITANIUM SURFACES, WITH AND WITHOUT HYDROXYAPATITE
COATING, AND THEIR EFFECT ON HUMAN OSTEOBLAST-LIKE CELLS
J Biomed Mater Res B Appl Biomater. 2005 Nov;75(2):359-68.

M. Tschon, M. Fini, G. Giavaresi, V. Borsari, H. Lenger, J. Bernauer, R. Chiesa, A. Cigada, L. Chiusoli, R. Giardino
SOFT TISSUE RESPONSE TO A NEW AUSTENITIC STAINLESS STEEL WITH A NEGLIGIBLE NICKEL CONTENT
Int J Artif Organs. 2005 Oct;28(10):1003-11.

C. Giordano, R. Chiesa, E. Sandrini, A. Cigada, G. Giavaresi, M. Fini, R. Giardino
PHYSICAL AND BIOLOGICAL CHARACTERIZATIONS OF A NOVEL MULTIPHASE ANODIC SPARK DEPOSITION COATING TO
ENHANCE IMPLANT OSSEOINTEGRATION
Journal of Materials Science: Materials in Medicine, 16 (2005), 1221-1229

R. Chiesa, E. Sandrini, C. Giordano, G. Giavaresi, M. Fini
STUDIO IN VITRO E IN VIVO DI UNA SUPERFICIE INNOVATIVA PER L'OSTEOINTEGRAZIONE DI IMPIANTI DENTALI
Implantologia Orale, marzo 2006, n. 2, p. 17-33 ISSN 1827-3742

M. Moscatelli, S. Faré, E. Delvecchio, A. Ferretto, F. D'Angelo, M. Giudici, R. Chiesa
STRUCTURAL, MECHANICAL AND WEAR RESISTANCE ASSESSMENT OF UHMWPE ORTHOPEDIC COMPONENTS
Journal of Applied Biomaterials & Biomechanics 2006; Vol. 4: no. 3: 165-171

C. Giordano, E. Sandrini, V. Busini, R. Chiesa, G. Fumagalli, G. Giavaresi, M. Fini,
R. Giardino, A. Cigada
A NEW CHEMICAL ETCHING PROCESS TO IMPROVE ENDOSSEOUS IMPLANT OSSEOINTEGRATION: IN VITRO EVALUATION ON
HUMAN OSTEOBLAST-LIKE CELLS
The International Journal of Artificial Organs Vol. 29 no. 8, 2006 pp. 772-780

C. Giordano, L. Visai, M.P. Pedferri, P. Olivero, R. Chiesa, A. Cigada, F. Sanfilippo, A. Bianchi
STUDIO IN VITRO DI UN NUOVO TRATTAMENTO PER IL CONTROLLO DELLADESIONE BATTERICA DI IMPIANTI DENTALI IN
TITANIO E LEGA DI TITANIO
Implantologia Orale, novembre 2006, n. 5, p. 22-33 ISSN 1827-3742

G. Cotogno, U. Holzwarth, M. Franchi, S. Rivetti, R. Chiesa
TRIBOLOGICAL CHARACTERIZATION OF SURFACE-TREATED COMMERCIALLY PURE TITANIUM FOR FEMORAL HEADS IN TOTAL
HIP REPLACEMENT: A FEASIBILITY STUDY
The International Journal of Artificial Organs 2006; 29: 1174 - 1184

R.Chiesa, E.Sandrini, C.Giordano, G.Rondelli, A.Cigada
SVILUPPO E CARATTERIZZAZIONE DI UN TRATTAMENTO DI SUPERFICIE PER MIGLIORARE LE PROPRIETA' DELLE LEGHE DI
TITANIO PER MEZZI DI OSTEOSITESI
Atti del V° Congresso Nazionale AIMAT, p. 1-6 (2006)

R. Chiesa, G. Cotogno, M. Franchi, S. Rivetti, U. Holzwarth

TRIBOLOGICAL CHARACTERIZATION OF SURFACE TREATED TITANIUM FOR ORTHOPAEDIC JOINTS
Materials Science Forum Vols. 539-543 (2007) pp 606-611

Borsari V, Fini M, Giavaresi G, Rimondini L, Chiesa R, Chiusoli L, Giardino R.
SANDBLASTED TITANIUM OSTEOINTEGRATION IN YOUNG, AGED AND OVARECTOMIZED SHEEP.
Int J Artif Organs. 2007 Feb;30(2):163-72.

Chiesa R, Giavaresi G, Fini M, Sandrini E, Giordano C, Bianchi A, Giardino R.
IN VITRO AND IN VIVO PERFORMANCE OF A NOVEL SURFACE TREATMENT TO ENHANCE OSSEOINTEGRATION OF
ENDOSSEOUS IMPLANTS.
Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2007 Jun;103(6):745-56 (2007 Larry J. Peterson Best Paper Award)

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AND TRABECULAR BONE: IN VIVO COMPARATIVE STUDY ON YOUNG, AGED, AND ESTROGEN-DEFICIENT SHEEP.
J Orthop Res. September 2007:1250-1258

Chiesa R, Giordano C, Visai L, Sbarra MS, Moscatelli M, Bianchi AE, Sanfilippo F
TRATTAMENTO ESTETICO PER IL CONTROLLO DELL'ADESIONE E PROLIFERAZIONE BATTERICA DI COLLETTI DI IMPIANTI
DENTALI OSTEOINTEGRATI
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