Gabriela Ciapetti

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66 40 5,093 125 h-index g-index citations papers 8.3 131 4.95 5,542 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
125	In vitro evaluation of cell/biomaterial interaction by MTT assay. <i>Biomaterials</i> , 1993 , 14, 359-64	15.6	327
124	Osteoblast growth and function in porous poly epsilon -caprolactone matrices for bone repair: a preliminary study. <i>Biomaterials</i> , 2003 , 24, 3815-24	15.6	205
123	Poly-epsilon-caprolactone/hydroxyapatite composites for bone regeneration: in vitro characterization and human osteoblast response. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 76, 151-62	5.4	191
122	Growth factors in bone repair. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008 , 92, 161-8		163
121	Cytotoxicity, blood compatibility and antimicrobial activity of two cyanoacrylate glues for surgical use. <i>Biomaterials</i> , 2001 , 22, 59-66	15.6	161
120	Polylactic acid fibre-reinforced polycaprolactone scaffolds for bone tissue engineering. <i>Biomaterials</i> , 2008 , 29, 3662-3670	15.6	154
119	Ion release in patients with metal-on-metal hip bearings in total joint replacement: a comparison with metal-on-polyethylene bearings. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 63, 467-74		147
118	Apatite formation on bioactive calcium-silicate cements for dentistry affects surface topography and human marrow stromal cells proliferation. <i>Dental Materials</i> , 2010 , 26, 974-92	5.7	145
117	Cell culture methods for testing biocompatibility. <i>Clinical Materials</i> , 1994 , 15, 173-90		128
116	Serum concentrations of zinc and selenium in elderly people: results in healthy nonagenarians/centenarians. <i>Experimental Gerontology</i> , 2001 , 36, 327-39	4.5	104
115	Development of the foremost light-curable calcium-silicate MTA cement as root-end in oral surgery. Chemical-physical properties, bioactivity and biological behavior. <i>Dental Materials</i> , 2011 , 27, e134-57	5.7	95
114	Cytokine release in mononuclear cells of patients with Co-Cr hip prosthesis. <i>Biomaterials</i> , 1999 , 20, 1079	9 186 6	95
113	Human bone marrow stromal cells: In vitro expansion and differentiation for bone engineering. <i>Biomaterials</i> , 2006 , 27, 6150-60	15.6	93
112	Cytokines and osteolysis around total hip prostheses. <i>Cytokine</i> , 2000 , 12, 1575-9	4	92
111	Application of a combination of neutral red and amido black staining for rapid, reliable cytotoxicity testing of biomaterials. <i>Biomaterials</i> , 1996 , 17, 1259-1264	15.6	75
110	The role of hydroxyapatite as solid signal on performance of PCL porous scaffolds for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 86, 548-57	3.5	73
109	The effect of irradiation modification and RGD sequence adsorption on the response of human osteoblasts to polycaprolactone. <i>Biomaterials</i> , 2005 , 26, 4793-804	15.6	68

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108	Silicone breast implants: the role of immune system on capsular contracture formation. <i>Journal of Biomedical Materials Research Part B</i> , 1995 , 29, 197-202		68
107	Cytotoxicity testing of cyanoacrylates using direct contact assay on cell cultures. <i>Biomaterials</i> , 1994 , 15, 63-7	15.6	67
106	Improved osteogenic differentiation of human marrow stromal cells cultured on ion-induced chemically structured poly-epsilon-caprolactone. <i>Biomaterials</i> , 2007 , 28, 1132-40	15.6	65
105	Molecular basis of osteoclastogenesis induced by osteoblasts exposed to wear particles. <i>Biomaterials</i> , 2005 , 26, 2371-9	15.6	65
104	New Portland cement-based materials for endodontics mixed with articaine solution: a study of cellular response. <i>Journal of Endodontics</i> , 2008 , 34, 39-44	4.7	64
103	Cell death induced by metal ions: necrosis or apoptosis?. <i>Journal of Materials Science: Materials in Medicine</i> , 1998 , 9, 31-7	4.5	63
102	In vitro testing of the potential for orthopedic bone cements to cause apoptosis of osteoblast-like cells. <i>Biomaterials</i> , 2002 , 23, 617-27	15.6	59
101	Bone-resorbing cytokines in serum of patients with aseptic loosening of hip prostheses. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1998 , 80, 912-7		56
100	Feasibility and safety of treating non-unions in tibia, femur and humerus with autologous, expanded, bone marrow-derived mesenchymal stromal cells associated with biphasic calcium phosphate biomaterials in a multicentric, non-comparative trial. <i>Biomaterials</i> , 2019 , 196, 100-108	15.6	56
99	Cellular events in the mechanisms of prosthesis loosening. <i>Clinical Materials</i> , 1991 , 7, 51-81		55
98	The combined use of mesenchymal stromal cells and scaffolds for bone repair. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1796-820	3.3	53
97	The influence of alumina and ultra-high molecular weight polyethylene particles on osteoblast-osteoclast cooperation. <i>Biomaterials</i> , 2004 , 25, 4037-45	15.6	52
96	Assessment of metal extract toxicity on human lymphocytes cultured in vitro. <i>Journal of Biomedical Materials Research Part B</i> , 1996 , 31, 183-91		52
95	Innovative silicate-based cements for endodontics: a study of osteoblast-like cell response. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 87, 477-86	5.4	51
94	Adhesive protein expression on endothelial cells after contact in vitro with polyethylene terephthalate coated with pyrolytic carbon. <i>Biomaterials</i> , 1995 , 16, 1223-7	15.6	50
93	Gene expression patterns related to osteogenic differentiation of bone marrow-derived mesenchymal stem cells during ex vivo expansion. <i>Tissue Engineering - Part C: Methods</i> , 2010 , 16, 511-24	2.9	48
92	Advanced nanocomposite materials for orthopaedic applications. I. A long-term in vitro wear study of zirconia-toughened alumina. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006 , 78, 76-82	3.5	47
91	Biocompatibility and performance in vitro of a hemostatic gelatin sponge. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000 , 11, 685-99	3.5	46

90	Effects of activated platelet concentrates on human primary cultures of fibroblasts and osteoblasts. <i>Journal of Periodontology</i> , 2005 , 76, 323-8	4.6	45
89	Expression of adhesion molecules on endothelial cells after contact with knitted Dacron. <i>Biomaterials</i> , 1997 , 18, 489-94	15.6	43
88	The influence of hydroxyapatite particles on in vitro degradation behavior of poly epsilon-caprolactone-based composite scaffolds. <i>Tissue Engineering - Part A</i> , 2009 , 15, 3655-68	3.9	41
87	Fluorescent microplate assay for respiratory burst of PMNs challenged in vitro with orthopedic metals. <i>Journal of Biomedical Materials Research Part B</i> , 1998 , 41, 455-60		41
86	Expression of cell adhesion receptors in human osteoblasts cultured on biofunctionalized poly-(epsilon-caprolactone) surfaces. <i>Biomaterials</i> , 2007 , 28, 3668-78	15.6	40
85	Apoptosis in peri-implant tissue. <i>Biomaterials</i> , 2000 , 21, 1393-8	15.6	40
84	Response of human bone marrow stromal cells to a resorbable P(2)O(5)-SiO(2)-CaO-MgO-Na(2)O-K(2)O phosphate glass ceramic for tissue engineering applications. <i>Acta Biomaterialia</i> , 2010 , 6, 598-606	10.8	39
83	Expression of the CD69 activation antigen on lymphocytes of patients with hip prosthesis. <i>Biomaterials</i> , 2000 , 21, 2059-65	15.6	39
82	In vitro effects of bone cements on the cell cycle of osteoblast-like cells. <i>Biomaterials</i> , 1995 , 16, 1187-9	215.6	39
81	Toxicity of cyanoacrylates in vitro using extract dilution assay on cell cultures. <i>Biomaterials</i> , 1994 , 15, 92-6	15.6	39
80	Role of PLLA plasma surface modification in the interaction with human marrow stromal cells. Journal of Applied Polymer Science, 2009 , 114, 3602-3611	2.9	36
79	Biocompatibility testing of prosthetic implant materials by cell cultures. <i>Biomaterials</i> , 1985 , 6, 346-51	15.6	36
78	High-performance liquid chromatography assay of N,N-dimethyl-p-toluidine released from bone cements: evidence for toxicity. <i>Biomaterials</i> , 1997 , 18, 243-6	15.6	35
77	Cytotoxicity testing of materials with limited in vivo exposure is affected by the duration of cell-material contact. <i>Journal of Biomedical Materials Research Part B</i> , 1998 , 42, 485-90		35
76	Co-culture systems of osteoblasts and osteoclasts: Simulating in vitro bone remodeling in regenerative approaches. <i>Acta Biomaterialia</i> , 2020 , 108, 22-45	10.8	34
75	Enhancing osteoconduction of PLLA-based nanocomposite scaffolds for bone regeneration using different biomimetic signals to MSCs. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 2439-58	6.3	33
74	Platelet and coagulation factor variations induced in vitro by polyethylene terephthalate (Dacron) coated with pyrolytic carbon. <i>Biomaterials</i> , 1995 , 16, 973-6	15.6	33
73	Ex vivo observation of human intervertebral disc tissue and cells isolated from degenerated intervertebral discs. <i>European Spine Journal</i> , 2012 , 21 Suppl 1, S10-9	2.7	32

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72	Ability of restorative and fluoride releasing materials to prevent marginal dentine demineralization. <i>Biomaterials</i> , 2004 , 25, 1011-7	15.6	32	
71	Osteoclast differentiation from human blood precursors on biomimetic calcium-phosphate substrates. <i>Acta Biomaterialia</i> , 2017 , 50, 102-113	10.8	31	
70	Novel soybean/gelatine-based bioactive and injectable hydroxyapatite foam: material properties and cell response. <i>Acta Biomaterialia</i> , 2011 , 7, 1780-7	10.8	31	
69	Resorbable glass-ceramic phosphate-based scaffolds for bone tissue engineering: synthesis, properties, and in vitro effects on human marrow stromal cells. <i>Journal of Biomaterials Applications</i> , 2011 , 26, 465-89	2.9	31	
68	In vitro evaluation of freeze-dried bone allografts combined with platelet rich plasma and human bone marrow stromal cells for tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 45-50	4.5	30	
67	Evaluation of osteoblast-like cell response to Proroot MTA (mineral trioxide aggregate) cement. Journal of Materials Science: Materials in Medicine, 2004 , 15, 167-73	4.5	30	
66	Endothelial cells incubated with platelet-rich plasma express PDGF-B and ICAM-1 and induce bone marrow stromal cell migration. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 1493-8	3.8	29	
65	Biological effects of metal degradation in hip arthroplasties. Critical Reviews in Toxicology, 2018, 48, 17	0 51/9 3	29	
64	Effects of chromium extract on cytokine release by mononuclear cells. <i>Biomaterials</i> , 1998 , 19, 283-91	15.6	28	
63	Bone cement extracts modulate the osteoprotegerin/osteoprotegerin-ligand expression in MG63 osteoblast-like cells. <i>Biomaterials</i> , 2002 , 23, 2359-65	15.6	28	
62	Is wear debris responsible for failure in alumina-on-alumina implants?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009 , 80, 162-7	4.3	27	
61	Adhesive protein expression on human endothelial cells after in vitro contact with woven Dacron. <i>Biomaterials</i> , 1998 , 19, 93-8	15.6	27	
60	Sister chromatid exchanges and ion release in patients wearing fracture fixation devices. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 50, 21-6		27	
59	Endodontic cements induce alterations in the cell cycle of in vitro cultured osteoblasts. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 1995 , 79, 359-66		27	
58	In vitro biocompatibility of a polyurethane catheter after deposition of fluorinated film. <i>Biomaterials</i> , 1995 , 16, 361-7	15.6	26	
57	Microhardness of bone at the interface with ceramic-coated metal implants. <i>Journal of Biomedical Materials Research Part B</i> , 1995 , 29, 695-9		26	
56	Effects of hypoxia on osteogenic differentiation of mesenchymal stromal cells used as a cell therapy for avascular necrosis of the femoral head. <i>Cytotherapy</i> , 2016 , 18, 1087-99	4.8	25	
55	Effects of osteogenic differentiation inducers on in vitro expanded adult mesenchymal stromal cells. <i>International Journal of Artificial Organs</i> , 2011 , 34, 998-1011	1.9	23	

54	Quantitative assessment of the response of osteoblast- and macrophage-like cells to particles of Ni-free Fe-base alloys. <i>Biomaterials</i> , 2005 , 26, 849-59	15.6	23
53	Cytokine production and adhesive protein expression by endothelial cells after contact with polyethylene terephthalate. <i>Biomaterials</i> , 1996 , 17, 2071-6	15.6	23
52	Osteogenic properties of late adherent subpopulations of human bone marrow stromal cells. <i>Histochemistry and Cell Biology</i> , 2009 , 132, 547-57	2.4	22
51	In vitro cytokine production by mononuclear cells exposed to bone cement extracts. <i>Biomaterials</i> , 2000 , 21, 1789-95	15.6	21
50	Established cell lines and primary cultures in testing medical devices in vitro. <i>Toxicology in Vitro</i> , 1999 , 13, 801-10	3.6	21
49	A Multicentric, Open-Label, Randomized, Comparative Clinical Trial of Two Different Doses of Expanded hBM-MSCs Plus Biomaterial versus Iliac Crest Autograft, for Bone Healing in Nonunions after Long Bone Fractures: Study Protocol. <i>Stem Cells International</i> , 2018 , 2018, 6025918	5	21
48	Microstructural investigation of bone-cement interface. <i>Journal of Biomedical Materials Research Part B</i> , 1995 , 29, 701-5		20
47	Evaluation of mechanical properties and biological response of an alumina-forming Ni-free ferritic alloy. <i>Biomaterials</i> , 2005 , 26, 3861-71	15.6	19
46	Histologic evaluation of purified bovine tendon collagen sponge in tooth extraction sites in dogs. Oral Surgery, Oral Medicine, and Oral Pathology, 1986, 61, 315-23		19
45	Non-animal Tests for Evaluating the Toxicity of Solid Xenobiotics: The Report and Recommendations of ECVAM Workshop 301,2. <i>ATLA Alternatives To Laboratory Animals</i> , 1998 , 26, 579-	675 ^I	19
44	Hyaluronan-based pericellular matrix: substrate electrostatic charges and early cell adhesion events. <i>European Cells and Materials</i> , 2013 , 26, 133-49; discussion 149	4.3	17
43	Isolation, characterisation and osteogenic potential of human bone marrow stromal cells derived from the medullary cavity of the femur. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008 , 92, 97-103		16
42	Nitric oxide synthase in tissues around failed hip prostheses. <i>Biomaterials</i> , 2002 , 23, 4833-8	15.6	16
41	The effect of injection of powdered biomaterials on mouse peritoneal cell populations. <i>Journal of Biomedical Materials Research Part B</i> , 1987 , 21, 419-28		16
40	In vitro assessment of phagocytosis of bovine collagen by human monocytes/macrophages using a spectrophotometric method. <i>Biomaterials</i> , 1996 , 17, 1703-7	15.6	14
39	Production of prostacyclin and fibrinolysis modulators by endothelial cells cultured in the presence of polyethylene terephthalate. <i>Journal of Biomedical Materials Research Part B</i> , 1993 , 27, 1161-4		14
38	Multiscale characterization of a chimeric biomimetic polypeptide for stem cell culture. <i>Bioinspiration and Biomimetics</i> , 2012 , 7, 046007	2.6	13
37	Cytokine expression in vitro by cultured human endothelial cells in contact with polyethylene terephthalate coated with pyrolytic carbon and collagen. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 50, 483-9		13

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36	Modulation of pro- and anti-apoptotic genes in lymphocytes exposed to bone cements. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000 , 11, 633-46	3.5	13
35	A latex membrane, as an alternative device in the GTR technique: preliminary report on its biocompatibility. <i>Journal of Materials Science: Materials in Medicine</i> , 1994 , 5, 647-650	4.5	13
34	Effects of bone cement extracts on the cell-mediated immune response. <i>Biomaterials</i> , 2002 , 23, 1033-4	115.6	12
33	Collagen Hybrid Formulations for the 3D Printing of Nanostructured Bone Scaffolds: An Optimized Genipin-Crosslinking Strategy. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
32	Early efficacy evaluation of mesenchymal stromal cells (MSC) combined to biomaterials to treat long bone non-unions. <i>Injury</i> , 2020 , 51 Suppl 1, S63-S73	2.5	11
31	Assessment of viability and proliferation of in vivo silicone-primed lymphocytes after in vitro re-exposure to silicone. <i>Journal of Biomedical Materials Research Part B</i> , 1995 , 29, 583-90		11
30	Evaluation of magnetic behaviour and in vitro biocompatibility of ferritic PM2000 alloy. <i>Journal of Materials Science: Materials in Medicine</i> , 2004 , 15, 559-65	4.5	10
29	Focus Ion Beam/Scanning Electron Microscopy Characterization of Osteoclastic Resorption of Calcium Phosphate Substrates. <i>Tissue Engineering - Part C: Methods</i> , 2017 , 23, 118-124	2.9	9
28	Changes of Bone Turnover Markers in Long Bone Nonunions Treated with a Regenerative Approach. <i>Stem Cells International</i> , 2017 , 2017, 3674045	5	9
27	Osteoporosis-related variations of trabecular bone properties of proximal human humeral heads at different scale lengths. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 100, 103373	4.1	9
26	In vitro complement activation after contact with pyrolytic carbon-coated and uncoated polyethylene terephthalate. <i>Journal of Materials Science: Materials in Medicine</i> , 1997 , 8, 771-4	4.5	9
25	Gene expression of bone-associated cytokines in MG63 osteoblast-like cells incubated with acrylic bone cement extracts in minimum essential medium. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002 , 13, 1283-94	3.5	9
24	Biomarkers of bone healing induced by a regenerative approach based on expanded bone marrow-derived mesenchymal stromal cells. <i>Cytotherapy</i> , 2019 , 21, 870-885	4.8	8
23	Flow-cytometric analysis of leukocyte activation induced by polyethylene-terephthalate with and without pyrolytic carbon coating. <i>Journal of Biomedical Materials Research Part B</i> , 1998 , 39, 549-53		8
22	Microhardness evaluations of the bone growing into porous implants. <i>Journal of Materials Science: Materials in Medicine</i> , 1992 , 3, 252-254	4.5	8
21	Functional Alterations of Endothelial Cells Cultured In Vitro in Contact with Biomaterials. <i>ATLA Alternatives To Laboratory Animals</i> , 1992 , 20, 61-65	2.1	8
20	Effect of four acrylic bone cements on transforming growth factor-beta1 expression by osteoblast-like cells MG63. <i>Biomaterials</i> , 2002 , 23, 305-11	15.6	7
19	Evaluation of the effect of seven acrylic bone cements on erythrocytes and plasmatic phase of coagulation. <i>Biomaterials</i> , 2001 , 22, 1321-6	15.6	7

18	Development and Biocompatibility of Collagen-Based Composites Enriched with Nanoparticles of Strontium Containing Mesoporous Glass. <i>Materials</i> , 2019 , 12,	3.5	6
17	Potential of FeAlCr intermetallics reinforced with nanoparticles as new biomaterials for medical devices. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007 , 80, 201-10	3.5	6
16	Interleukin-6 expression by osteoblast-like MG63 cells challenged with four acrylic bone cements. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001 , 12, 243-53	3.5	6
15	Osteonecrosis of the Femoral Head Safely Healed with Autologous, Expanded, Bone Marrow-Derived Mesenchymal Stromal Cells in a Multicentric Trial with Minimum 5 Years Follow-Up. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	6
14	Evaluation of tissue-factor production by human endothelial cells incubated with three acrylic bone cements. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 55, 131-6		5
13	No effect of methacrylate-based bone cement CMW 1 on the plasmatic phase of coagulation, red blood cells and endothelial cells in vitro. <i>Acta Orthopaedica</i> , 2001 , 72, 86-93		5
12	Cytotoxicity and capability of activating hemocoagulation of polybutyleneterephthalate filters. <i>Clinical Materials</i> , 1993 , 14, 191-198		5
11	Effect of calcium phosphate heparinization on the in vitro inflammatory response and osteoclastogenesis of human blood precursor cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 1217-1229	4.4	4
10	Bone repair and regeneration 2009 , 69-105		4
9	Bioresorbable Phosphate Scaffolds for Bone Regeneration. <i>Key Engineering Materials</i> , 2007 , 361-363, 241-244	0.4	4
8	Inflammatory Response to Metals and Ceramics 2002 , 735-791		4
7	In vitro assessment of lymphocytes response following re-exposure to silicone. <i>Journal of Materials Science: Materials in Medicine</i> , 1994 , 5, 640-643	4.5	3
6	Analysis of multiple protein detection methods in human osteoporotic bone extracellular matrix: From literature to practice. <i>Bone</i> , 2020 , 137, 115363	4.7	3
5	Interleukin-6 expression by cultured human endothelial cells in contact with carbon coated polyethylene terephthalate. <i>Journal of Materials Science: Materials in Medicine</i> , 2001 , 12, 365-9	4.5	2
4	In vitro testing of the responses of human gingival fibroblasts and L-929 cells to nicotine. <i>ATLA Alternatives To Laboratory Animals</i> , 1999 , 27, 449-59	2.1	2
3	Thrombomodulin expression in endothelial cells after contact with bone cement. <i>Biomaterials</i> , 2002 , 23, 2159-65	15.6	1
2	Effect of CMW 1 bone cement on transforming growth factor-beta 1 expression by endothelial cells. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001 , 12, 1011-25	3.5	1