Adriana Bigi

List of Publications by Year
in descending order

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195	11,727	25034	31849
papers	citations	57	101
		h-index	g-index

196	196	196	11032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monetite vs. Brushite: Different Influences on Bone Cell Response Modulated by Strontium Functionalization. Journal of Functional Biomaterials, 2022, 13, 65.	4.4	10
2	Antiosteoporotic Nanohydroxyapatite Zoledronate Scaffold Seeded with Bone Marrow Mesenchymal Stromal Cells for Bone Regeneration: A 3D In Vitro Model. International Journal of Molecular Sciences, 2022, 23, 5988.	4.1	1
3	Hydroxyapatite Decorated with Tungsten Oxide Nanoparticles: New Composite Materials against Bacterial Growth. Journal of Functional Biomaterials, 2022, 13, 88.	4.4	7
4	Synthesis and Hydrolysis of Brushite (DCPD): The Role of Ionic Substitution. Crystal Growth and Design, 2021, 21, 1689-1697.	3.0	35
5	Strontium substituted hydroxyapatite with Î²-lactam integrin agonists to enhance mesenchymal cells adhesion and to promote bone regeneration. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111580.	5.0	10
6	Novel drug-loaded film forming patch based on gelatin and snail slime. International Journal of Pharmaceutics, 2021, 598, 120408.	5.2	12
7	Curcumin-Functionalized Gelatin Films: Antioxidant Materials with Modulated Physico-Chemical Properties. Polymers, 2021, 13, 1824.	4.5	8
8	Structural interplay between strontium and calcium in Î±-CaHPO4 and Î²-SrHPO4. Ceramics International, 2021, 47, 24412-24420.	4.8	5
9	A radiopaque calcium phosphate bone cement with long-lasting antibacterial effect: From paste to injectable formulation. Ceramics International, 2020, 46, 10048-10057.	4.8	12
10	Functional properties of chitosan films modified by snail mucus extract. International Journal of Biological Macromolecules, 2020, 143, 126-135.	7.5	37
11	Functionalization of octacalcium phosphate for bone replacement. , 2020, , 37-54.		2
12	Platinum nanoparticles supported on functionalized hydroxyapatite: Anti-oxidant properties and bone cells response. Ceramics International, 2020, 46, 19574-19582.	4.8	3
13	Quercetin loaded gelatin films with modulated release and tailored anti-oxidant, mechanical and swelling properties. Food Hydrocolloids, 2020, 109, 106089.	10.7	28
14	Green synthesis of bioactive oligopeptides promoted by recyclable nanocrystalline hydroxyapatite. Future Medicinal Chemistry, 2020, 12, 479-491.	2.3	16
15	Cylindrical Layered Bone Scaffolds with Anisotropic Mechanical Properties as Potential Drug Delivery Systems. Molecules, 2019, 24, 1931.	3.8	3
16	Multifunctionalization Modulates Hydroxyapatite Surface Interaction with Bisphosphonate: Antiosteoporotic and Antioxidative Stress Materials. ACS Biomaterials Science and Engineering, 2019, 5, 3429-3439.	5.2	14
17	Strontium and Zinc Substitution in Î²-Tricalcium Phosphate: An X-ray Diffraction, Solid State NMR and ATR-FTIR Study. Journal of Functional Biomaterials, 2019, 10, 20.	4.4	45
18	Effect of strontium substituted ÃŸâ€TCP associated to mesenchymal stem cells from bone marrow and adipose tissue on spinal fusion in healthy and ovariectomized rat. Journal of Cellular Physiology, 2019, 234, 20046-20056.	4.1	22

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19	Modulation of Alendronate release from a calcium phosphate bone cement: An in vitro osteoblast-osteoclast co-culture study. International Journal of Pharmaceutics, 2019, 554, 245-255.	5.2	28
20	Antiresorptive properties of strontium substituted and alendronate functionalized hydroxyapatite nanocrystals in an ovariectomized rat spinal arthrodesis model. Materials Science and Engineering C, 2019, 95, 355-362.	7.3	18
21	Role of Aspartic and Polyaspartic Acid on the Synthesis and Hydrolysis of Brushite.. Journal of Functional Biomaterials, 2019, 10, 11.	4.4	20
22	A new multifunctionalized material against multi-drug resistant bacteria and abnormal osteoclast activity. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 120-129.	4.3	16
23	Non-equilibrium atmospheric pressure plasma as innovative method to crosslink and enhance mucoadhesion of econazole-loaded gelatin films for buccal drug delivery. Colloids and Surfaces B: Biointerfaces, 2018, 163, 73-82.	5.0	31
24	Gradient coatings of strontium hydroxyapatite/zinc Î²-tricalcium phosphate as a tool to modulate osteoblast/osteoclast response. Journal of Inorganic Biochemistry, 2018, 183, 1-8.	3.5	32
25	Biomimetic fabrication of antibacterial calcium phosphates mediated by polydopamine. Journal of Inorganic Biochemistry, 2018, 178, 43-53.	3.5	19
26	Spray-congealed solid lipid microparticles as a new tool for the controlled release of bisphosphonates from a calcium phosphate bone cement. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 122, 6-16.	4.3	17
27	Osteoinductivity of nanostructured hydroxyapatiteâ€functionalized gelatin modulated by human and endogenous mesenchymal stromal cells. Journal of Biomedical Materials Research - Part A, 2018, 106, 914-923.	4.0	13
28	Combinatorial Laser Synthesis of Biomaterial Thin Films: Selection and Processing for Medical Applications. Springer Series in Materials Science, 2018, , 309-338.	0.6	4
29	Calcium Phosphates as Delivery Systems for Bisphosphonates. Journal of Functional Biomaterials, 2018, 9, 6.	4.4	56
30	(9R)-9-Hydroxystearate-Functionalized Anticancer Ceramics Promote Loading of Silver Nanoparticles. Nanomaterials, 2018, 8, 390.	4.1	11
31	Strontiumâ€Substituted Hydroxyapatiteâ€Gelatin Biomimetic Scaffolds Modulate Bone Cell Response. Macromolecular Bioscience, 2018, 18, e1800096.	4.1	36
32	Antiresorptive and anti-angiogenetic octacalcium phosphate functionalized with bisphosphonates: An in vitro tri-culture study. Acta Biomaterialia, 2017, 54, 419-428.	8.3	33
33	Monocyclic Î²-lactams loaded on hydroxyapatite: new biomaterials with enhanced antibacterial activity against resistant strains. Scientific Reports, 2017, 7, 2712.	3.3	24
34	Hydroxyapatite functionalization to trigger adsorption and release of risedronate. Colloids and Surfaces B: Biointerfaces, 2017, 160, 493-499.	5.0	21
35	Quercetin and alendronate multiâ€functionalized materials as tools to hinder oxidative stress damage. Journal of Biomedical Materials Research - Part A, 2017, 105, 3293-3303.	4.0	24
36	Gelatin Porous Scaffolds as Delivery Systems of Calcium Alendronate. Macromolecular Bioscience, 2017, 17, 1600272.	4.1	9

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37	Functionalized Biomimetic Calcium Phosphates for Bone Tissue Repair. Journal of Applied Biomaterials and Functional Materials, 2017, 15, e313-e325.	1.6	35
38	Fast Coprecipitation of Calcium Phosphate Nanoparticles inside Gelatin Nanofibers by Tricoaxial Electrospinning. Journal of Nanomaterials, 2016, 2016, 1-7.	2.7	7
39	Alendronate Functionalized Mesoporous Bioactive Glass Nanospheres. Materials, 2016, 9, 135.	2.9	17
40	Atmospheric Pressure Non-Equilibrium Plasma as a Green Tool to Crosslink Gelatin Nanofibers. Scientific Reports, 2016, 6, 38542.	3.3	43
41	An innovative co-axial system to electrospin in situ crosslinked gelatin nanofibers. Biomedical Materials (Bristol), 2016, 11, 025007.	3.3	11
42	(9R)-9-Hydroxystearate-Functionalized Hydroxyapatite as Antiproliferative and Cytotoxic Agent toward Osteosarcoma Cells.. Langmuir, 2016, 32, 188-194.	3.5	16
43	Antioxidant and bone repair properties of quercetin-functionalized hydroxyapatite: An in vitro osteoblastâ€“osteoclastâ€“endothelial cell co-culture study. Acta Biomaterialia, 2016, 32, 298-308.	8.3	70
44	Incorporation of nanostructured hydroxyapatite and poly(N-isopropylacrylamide) in demineralized bone matrix enhances osteoblast and human mesenchymal stem cell activity. Biointerphases, 2015, 10, 041001.	1.6	11
45	<scp>C</scp>ontinuous multilayered composite hydrogel as osteochondral substitute. Journal of Biomedical Materials Research - Part A, 2015, 103, 2521-2530.	4.0	24
46	Highly Porous Gelatin Reinforced 3D Scaffolds for Articular Cartilage Regeneration. Macromolecular Bioscience, 2015, 15, 941-952.	4.1	28
47	Multiâ€Layered Scaffolds for Osteochondral Tissue Engineering: In Vitro Response of Coâ€Cultured Human Mesenchymal Stem Cells. Macromolecular Bioscience, 2015, 15, 1535-1545.	4.1	36
48	Effect of sterilization and crosslinking on gelatin films. Journal of Materials Science: Materials in Medicine, 2015, 26, 69.	3.6	51
49	Strontium and zoledronate hydroxyapatites graded composite coatings for bone prostheses. Journal of Colloid and Interface Science, 2015, 448, 1-7.	9.4	51
50	Antiresorption implant coatings based on calcium alendronate and octacalcium phosphate deposited by matrix assisted pulsed laser evaporation. Colloids and Surfaces B: Biointerfaces, 2015, 136, 449-456.	5.0	33
51	Combined effect of strontium and zoledronate on hydroxyapatite structure and bone cell responses. Biomaterials, 2014, 35, 5619-5626.	11.4	58
52	Co-electrospun gelatin-poly(l-lactic acid) scaffolds: Modulation of mechanical properties and chondrocyte response as a function of composition. Materials Science and Engineering C, 2014, 36, 130-138.	7.3	71
53	Montmorillonite reinforced type A gelatin nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	2.6	15
54	Structural reinforcement and failure analysis in composite nanofibers of graphene oxide and gelatin. Carbon, 2014, 78, 566-577.	10.3	81

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55	Comparative performance of collagen nanofibers electrospun from different solvents and stabilized by different crosslinkers. Journal of Materials Science: Materials in Medicine, 2014, 25, 2313-2321.	3.6	63
56	Cationic-anionic polyelectrolyte interaction as a tool to graft silver nanoparticles on hydroxyapatite crystals and prevent cytotoxicity. RSC Advances, 2014, 4, 645-652.	3.6	19
57	Chondrogenic differentiation of human adipose mesenchimal stem cells: Influence of a biomimetic gelatin genipin crosslinked porous scaffold. Microscopy Research and Technique, 2014, 77, 928-934.	2.2	23
58	Biomaterial Thin Films by Soft Pulsed Laser Technologies for Biomedical Applications. Springer Series in Materials Science, 2014, , 271-294.	0.6	6
59	Crystalline Calcium Alendronate Obtained by Octacalcium Phosphate Digestion: A New Chance for Local Treatment of Bone Loss Diseases?. Advanced Materials, 2013, 25, 4605-4611.	21.0	27
60	A new simplified calcifying solution to synthesize calcium phosphate coatings. Surface and Coatings Technology, 2013, 232, 13-21.	4.8	12
61	3D interconnected porous biomimetic scaffolds: In vitro cell response. Journal of Biomedical Materials Research - Part A, 2013, 101, 3560-3570.	4.0	44
62	Role of pH on stability and mechanical properties of gelatin films. Journal of Bioactive and Compatible Polymers, 2012, 27, 67-77.	2.1	54
63	The effect of alendronate doped calcium phosphates on bone cells activity. Bone, 2012, 51, 944-952.	2.9	26
64	Time Course of Zoledronate Interaction with Hydroxyapatite Nanocrystals. Journal of Physical Chemistry C, 2012, 116, 15812-15818.	3.1	17
65	Fiber reinforcement of a biomimetic bone cement. Journal of Materials Science: Materials in Medicine, 2012, 23, 1363-1370.	3.6	10
66	The effect of zoledronate-hydroxyapatite nanocomposites on osteoclasts and osteoblast-like cells inÂvitro. Biomaterials, 2012, 33, 722-730.	11.4	56
67	Magnesium and strontium doped octacalcium phosphate thin films by matrix assisted pulsed laser evaporation. Journal of Inorganic Biochemistry, 2012, 107, 65-72.	3.5	73
68	Osteopenic bone cell response to strontium-substituted hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2011, 22, 2079-2088.	3.6	82
69	Biomimetic gelatinâ€“octacalcium phosphate coreâ€“shell microspheres. Journal of Colloid and Interface Science, 2011, 362, 594-599.	9.4	29
70	Electrospun gelatin nanofibers: Optimization of genipin cross-linking to preserve fiber morphology after exposure to water. Acta Biomaterialia, 2011, 7, 1702-1709.	8.3	217
71	Optimization of a biomimetic bone cement: Role of DCPD. Journal of Inorganic Biochemistry, 2011, 105, 1060-1065.	3.5	14
72	Fast Deposition of Nanocrystalline Hydroxyapatite into Additive Manufactured Titanium Porous Structures. Key Engineering Materials, 2011, 493-494, 458-461.	0.4	0

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73	Chemico-physical characterization of gelatin films modified with oxidized alginate. Acta Biomaterialia, 2010, 6, 383-388.	8.3	136
74	Effect of strontium and gelatin on the reactivity of Î±-tricalcium phosphate. Acta Biomaterialia, 2010, 6, 936-942.	8.3	31
75	Functionalization of biomimetic calcium phosphate bone cements with alendronate. Journal of Inorganic Biochemistry, 2010, 104, 1099-1106.	3.5	56
76	Ionic substitutions in calcium phosphates synthesized at low temperature. Acta Biomaterialia, 2010, 6, 1882-1894.	8.3	705
77	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (gl Pressure. Journal of Chemical & Engineering Data, 2010, 55, 205-210.	1.9	20
78	Collapsed Octacalcium Phosphate Stabilized by Ionic Substitutions. Crystal Growth and Design, 2010, 10, 3612-3617.	3.0	58
79	Advanced Biomimetic Implants Based on Nanostructured Coatings Synthesized by Pulsed Laser Technologies. Springer Series in Materials Science, 2010, , 235-260.	0.6	22
80	Densities, Viscosities, Refractive Indices, and Heat Capacities of Four Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 Td (glycol at (298.15 and 313.15) K and at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2009, 54, 956-961.	1.9	3
81	Synthesis and characterization of Sr(10â^'x)Cdx(PO4)6Y2 (Y=OH and F): A comparison of apatites containing two divalent cations. Materials Research Bulletin, 2009, 44, 522-530.	5.2	25
82	Interaction of Srâ€doped hydroxyapatite nanocrystals with osteoclast and osteoblastâ€like cells. Journal of Biomedical Materials Research - Part A, 2009, 89A, 594-600.	4.0	179
83	Porous composite scaffolds based on gelatin and partially hydrolyzed Î±-tricalcium phosphate. Acta Biomaterialia, 2009, 5, 636-643.	8.3	73
84	Alendronate and Pamidronate calcium phosphate bone cements: Setting properties and in vitro response of osteoblast and osteoclast cells. Journal of Inorganic Biochemistry, 2009, 103, 101-106.	3.5	81
85	Effect of Mg2+, Sr2+, and Mn2+ on the chemico-physical and in vitro biological properties of calcium phosphate biomimetic coatings. Journal of Inorganic Biochemistry, 2009, 103, 1666-1674.	3.5	159
86	Biofunctional alendronateâ€“Hydroxyapatite thin films deposited by Matrix Assisted Pulsed Laser Evaporation. Biomaterials, 2009, 30, 6168-6177.	11.4	68
87	In Vivo and In Vitro Response to a Gelatin/Î±-Tricalcium Phosphate Bone Cement. Key Engineering Materials, 2008, 361-363, 1001-1004.	0.4	2
88	The response of bone to nanocrystalline hydroxyapatite-coated Ti13Nb11Zr alloy in an animal model. Biomaterials, 2008, 29, 1730-1736.	11.4	83
89	Effects of freezing on the biomechanical and structural properties of human posterior tibial tendons. International Orthopaedics, 2008, 32, 145-151.	1.9	108
90	Setting properties and in vitro bioactivity of strontiumâ€enriched gelatinâ€“calcium phosphate bone cements. Journal of Biomedical Materials Research - Part A, 2008, 84A, 965-972.	4.0	82

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91	Alendronateâ€“hydroxyapatite nanocomposites and their interaction with osteoclasts and osteoblast-like cells. Biomaterials, 2008, 29, 790-796.	11.4	139
92	Strontium-substituted hydroxyapatite coatings synthesized by pulsed-laser deposition: In vitro osteoblast and osteoclast response. Acta Biomaterialia, 2008, 4, 1885-1893.	8.3	313
93	Strontium-Substituted Hydroxyapatite Thin Films Grown by Pulsed Laser Deposition. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 389-398.	0.3	2
94	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(propylene glycols) or Poly(ethylene glycol)âˆ’Poly(propylene glycol)âˆ’Poly(ethylene glycol)-block-Copolymers + 2-Methyltetrahydrofuran at (298.15 and 313.15) K and at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2008, 53, 1302-1308.	1.9	13
95	Nanostructured HA crystals up-regulate FGF-2 expression and activity in microvascular endothelium promoting angiogenesis. Bone, 2007, 41, 523-534.	2.9	58
96	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Poly(ethylene glycols) + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K. Journal of Chemical & Engineering Data, 2007, 52, 2020-2025.	1.9	49
97	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K. Journal of Chemical & Engineering Data, 2007, 52, 639-644.	1.9	49
98	Composite Nanocrystals Provide New Insight on Alendronate Interaction withÂHydroxyapatite Structure. Advanced Materials, 2007, 19, 2499-2502.	21.0	95
99	In vitro culture of mesenchymal cells onto nanocrystalline hydroxyapatite-coated Ti13Nb13Zr alloy. Journal of Biomedical Materials Research - Part A, 2007, 82A, 213-221.	4.0	54
100	Excess molar enthalpies and heat capacities of dimethyl sulfoxide+seven normal alkanols at 303.15K and atmospheric pressure. Thermochimica Acta, 2007, 452, 124-127.	2.7	20
101	Strontium-substituted hydroxyapatite nanocrystals. Inorganica Chimica Acta, 2007, 360, 1009-1016.	2.4	308
102	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + 1-Propanol at (288.15, 298.15, and 308.15) K and at Normal Pressure. Journal of Chemical & Engineering Data, 2006, 51, 1711-1716.	1.9	34
103	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2006, 51, 665-670.	1.9	60
104	PLLA Based Composites with Î±-Tricalcium Phosphate and a PLLA-PEO Diblock Copolymer. Macromolecular Symposia, 2006, 234, 26-32.	0.7	2
105	Nanocomposites of hydroxyapatite with aspartic acid and glutamic acid and their interaction with osteoblast-like cells. Biomaterials, 2006, 27, 4428-4433.	11.4	124
106	Structural investigations of leadâ€“strontium fluoroapatites. Journal of Solid State Chemistry, 2006, 179, 3065-3072.	2.9	26
107	Thermophysical properties of dimethyl sulfoxide+cyclic and linear ethers at 308.15K. Thermochimica Acta, 2006, 447, 154-160.	2.7	25
108	Biomimetic synthesis of carbonated hydroxyapatite thin films. Thin Solid Films, 2006, 497, 53-57.	1.8	20

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109	Hydroxyapatite Nanocrystals Modified with Acidic Amino Acids. European Journal of Inorganic Chemistry, 2006, 2006, 4821-4826.	2.0	44
110	The effect of hydroxyapatite nanocrystals on microvascular endothelial cell viability and functions. Journal of Biomedical Materials Research - Part A, 2006, 76A, 656-663.	4.0	106
111	Normal and osteopenic boneâ€derived osteoblast response to a biomimetic gelatinâ€“calcium phosphate bone cement. Journal of Biomedical Materials Research - Part A, 2006, 78A, 739-745.	4.0	37
112	Excess molar enthalpies of binary mixtures containing ethylene glycols or poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (g	2.7	16
113	Calcium phosphate thin films synthesized by pulsed laser deposition: Physico-chemical characterization and in vitro cell response. Applied Surface Science, 2005, 248, 344-348.	6.1	37
114	Human osteoblast response to pulsed laser deposited calcium phosphate coatings. Biomaterials, 2005, 26, 2381-2389.	11.4	180
115	Structural and morphological modifications of hydroxyapatite-polyaspartate composite crystals induced by heat treatment. Crystal Research and Technology, 2005, 40, 1094-1098.	1.3	17
116	Nanocrystalline hydroxyapatite coatings on titanium: a new fast biomimetic method. Biomaterials, 2005, 26, 4085-4089.	11.4	192
117	A Fast Biomimetic Method for Nanocrystalline Hydroxyapatite Coatings. Key Engineering Materials, 2005, 284-286, 223-226.	0.4	1
118	Enthalpies of Mixing, Densities, and Refractive Indices for Binary Mixtures of (Anisole or Phenetole) + Three Aryl Alcohols at 308.15 K and at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2005, 50, 1404-1408.	1.9	25
119	Excess Enthalpies, Heat Capacities, Densities, Viscosities and Refractive Indices of Dimethyl Sulfoxide + Three Aryl Alcohols at 308.15 K and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2005, 50, 1932-1937.	1.9	50
120	In vitro mineralization of gelatin-polyacrylic acid complex matrices. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 243-254.	3.5	12
121	Electron microscopy studies of octa-calcium phosphate thin films obtained by pulsed laser deposition. Thin Solid Films, 2004, 453-454, 157-161.	1.8	9
122	Relationship between triple-helix content and mechanical properties of gelatin films. Biomaterials, 2004, 25, 5675-5680.	11.4	409
123	Hydroxyapatite gels and nanocrystals prepared through a solâ€“gel process. Journal of Solid State Chemistry, 2004, 177, 3092-3098.	2.9	104
124	Biocompatible Mn2+-doped carbonated hydroxyapatite thin films grown by pulsed laser deposition. Journal of Biomedical Materials Research - Part A, 2004, 71A, 353-358.	4.0	44
125	Biocompatible nanocrystalline octacalcium phosphate thin films obtained by pulsed laser deposition. Biomaterials, 2004, 25, 2539-2545.	11.4	70
126	Effect of added gelatin on the properties of calcium phosphate cement. Biomaterials, 2004, 25, 2893-2899.	11.4	146

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127	Morphological and Structural Modifications of Octacalcium Phosphate Induced by Poly-l-Aspartate. Crystal Growth and Design, 2004, 4, 141-146.	3.0	37
128	Setting Mechanism of a Biomimetic Bone Cement. Chemistry of Materials, 2004, 16, 3740-3745.	6.7	57
129	Microstructural investigation of hydroxyapatiteâ€“polyelectrolyte composites. Journal of Materials Chemistry, 2004, 14, 274-279.	6.7	63
130	Porous phosphate-gelatine composite as bone graft with drug delivery function. Journal of Materials Science: Materials in Medicine, 2003, 14, 623-627.	3.6	27
131	Interaction of acidic poly-amino acids with octacalcium phosphate. Journal of Inorganic Biochemistry, 2003, 95, 291-296.	3.5	42
132	Structural differences between â€œdarkâ€•and â€œbrightâ€•isolated human osteonic lamellae. Journal of Structural Biology, 2003, 141, 22-33.	2.8	81
133	Influence of Gelatin on the Setting Properties of Î±-Tricalcium Phosphate Cement. Key Engineering Materials, 2003, 254-256, 229-232.	0.4	2
134	MECHANICAL PROPERTIES OF GREAT ARTERIAL WALL AND CLINICAL IMPLICATION. Journal of Mechanics in Medicine and Biology, 2002, 02, 231-244.	0.7	4
135	Morphosynthesis of Octacalcium Phosphate Hollow Microspheres by Polyelectrolyte-Mediated Crystallization This work was supported by MURST, the University of Bologna (Funds for Selected) Tj ETQq1 1 0.784314 rgBT /Overlock	4.3	2
136	Morphosynthesis of Octacalcium Phosphate Hollow Microspheres by Polyelectrolyte-Mediated Crystallization This work was supported by MURST, the University of Bologna (Funds for Selected) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	13.8	125
137	Physicochemical Properties and Structural Refinement of Strontiumâ€Lead Hydroxyapatites. European Journal of Inorganic Chemistry, 2002, 2002, 1864-1870.	2.0	23
138	Bonelike apatite growth on hydroxyapatite-gelatin sponges from simulated body fluid. Journal of Biomedical Materials Research Part B, 2002, 59, 709-715.	3.1	100
139	Î±-Tricalcium phosphate hydrolysis to octacalcium phosphate: effect of sodium polyacrylate. Biomaterials, 2002, 23, 1849-1854.	11.4	46
140	Stabilization of gelatin films by crosslinking with genipin. Biomaterials, 2002, 23, 4827-4832.	11.4	520
141	Bone Formation by Distraction Clinical and Structural Studies. Key Engineering Materials, 2001, 192-195, 941-946.	0.4	0
142	Morphological and Structural Investigation of Octacalcium Phosphate Hydrolysis in the Presence of Polyacrylic Acids:â€‰ Effect of Relative Molecular Weights. Crystal Growth and Design, 2001, 1, 239-244.	3.0	43
143	Twisted Plywood Pattern of Collagen Fibrils in Teleost Scales: An X-ray Diffraction Investigation. Journal of Structural Biology, 2001, 136, 137-143.	2.8	96
144	Mechanical and thermal properties of gelatin films at different degrees of glutaraldehyde crosslinking. Biomaterials, 2001, 22, 763-768.	11.4	722

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145	X-ray Powder Diffraction and Solid-State NMR Investigations in Cadmiumâ^'Lead Hydroxyapatites. European Journal of Inorganic Chemistry, 2001, 2001, 1261-1267.	2.0	25
146	Chitosan and Gelatin as Engineered Dressing for Wound Repair. Journal of Bioactive and Compatible Polymers, 2001, 16, 145-157.	2.1	27
147	Effect of sodium polyacrylate on the hydrolysis of octacalcium phosphate. Journal of Inorganic Biochemistry, 2000, 78, 227-233.	3.5	34
148	Structural and Mechanical Properties of Crosslinked Drawn Gelatin Films. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 61, 451-459.	1.4	60
149	Biomimetic Growth of Hydroxyapatite on Gelatin Films Doped with Sodium Polyacrylate. Biomacromolecules, 2000, 1, 752-756.	5.4	99
150	Synthesis and hydrolysis of octacalcium phosphate: effect of sodium polyacrylate. Journal of Inorganic Biochemistry, 1999, 75, 145-151.	3.5	48
151	Hydroxyapatite/polyacrylic acid nanocrystals. Journal of Materials Chemistry, 1999, 9, 779-782.	6.7	83
152	X-Ray Diffraction on Cyclically Loaded Osteons. Calcified Tissue International, 1998, 62, 266-273.	3.1	24
153	Hydroxyapatite-gelatin films: a structural and mechanical characterization. Biomaterials, 1998, 19, 739-744.	11.4	101
154	Drawn gelatin films with improved mechanical properties. Biomaterials, 1998, 19, 2335-2340.	11.4	109
155	Nanocrystals of magnesium and fluoride substituted hydroxyapatite. Journal of Inorganic Biochemistry, 1998, 72, 29-35.	3.5	170
156	Structural Refinements of Strontium Substituted Hydroxylapatites. Materials Science Forum, 1998, 278-281, 814-819.	0.3	27
157	Isomorphous substitutions in Î²-tricalcium phosphate: The different effects of zinc and strontium. Journal of Inorganic Biochemistry, 1997, 66, 259-265.	3.5	122
158	Chemical and structural characterization of the mineral phase from cortical and trabecular bone. Journal of Inorganic Biochemistry, 1997, 68, 45-51.	3.5	245
159	In vitro calcified tendon collagen: an atomic force and scanning electron microscopy investigation. Biomaterials, 1997, 18, 657-665.	11.4	30
160	Relationship between Solid State NMR Parameters and X-ray Structural Data in Tricadmium Phosphates. Inorganic Chemistry, 1996, 35, 149-154.	4.0	16
161	Rietveld structure refinement of synthetic magnesium substituted Î²-tricalcium phosphate. Zeitschrift Fur Kristallographie - Crystalline Materials, 1996, 211, 13-16.	0.8	27
162	Rietveld structure refinements of calcium hydroxylapatite containing magnesium. Acta Crystallographica Section B: Structural Science, 1996, 52, 87-92.	1.8	99

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