

Livia Visai

List of Publications by Year in descending order

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Version: 2024-02-01

221
papers

9,973
citations

31902

53
h-index

49773

87
g-index

227
all docs

227
docs citations

227
times ranked

13986
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional bionanocomposite films of poly(lactic acid), cellulose nanocrystals and silver nanoparticles. <i>Carbohydrate Polymers</i> , 2012, 87, 1596-1605.	5.1	538
2	Copper-containing mesoporous bioactive glass nanoparticles as multifunctional agent for bone regeneration. <i>Acta Biomaterialia</i> , 2017, 55, 493-504.	4.1	258
3	Effect of Electrospun Fiber Diameter and Alignment on Macrophage Activation and Secretion of Proinflammatory Cytokines and Chemokines. <i>Biomacromolecules</i> , 2011, 12, 1900-1911.	2.6	236
4	Polyvinyl alcohol/chitosan hydrogels with enhanced antioxidant and antibacterial properties induced by lignin nanoparticles. <i>Carbohydrate Polymers</i> , 2018, 181, 275-284.	5.1	228
5	Titanium Oxide Antibacterial Surfaces in Biomedical Devices. <i>International Journal of Artificial Organs</i> , 2011, 34, 929-946.	0.7	219
6	Extracellular DNA in Biofilms. <i>International Journal of Artificial Organs</i> , 2011, 34, 824-831.	0.7	219
7	Antibiofilm activity of a monolayer of silver nanoparticles anchored to an amino-silanized glass surface. <i>Biomaterials</i> , 2014, 35, 1779-1788.	5.7	185
8	Characterization of novel LPXTG-containing proteins of <i>Staphylococcus aureus</i> identified from genome sequences. <i>Microbiology (United Kingdom)</i> , 2003, 149, 643-654.	0.7	184
9	Fibronectin-binding proteins of <i>Staphylococcus aureus</i> mediate activation of human platelets via fibrinogen and fibronectin bridges to integrin GPIIb/IIIa and IgG binding to the Fcγ ₃ receptor. <i>Molecular Microbiology</i> , 2006, 59, 212-230.	1.2	175
10	Nano-biocomposite films with modified cellulose nanocrystals and synthesized silver nanoparticles. <i>Carbohydrate Polymers</i> , 2014, 101, 1122-1133.	5.1	161
11	Toluidine Blue-Mediated Photodynamic Effects on Staphylococcal Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 299-305.	1.4	160
12	Thermal stability improvement of blue colorant C-Phycocyanin from <i>Spirulina platensis</i> for food industry applications. <i>Process Biochemistry</i> , 2014, 49, 154-159.	1.8	153
13	The effect of photodynamic treatment combined with antibiotic action or host defence mechanisms on <i>Staphylococcus aureus</i> biofilms. <i>Biomaterials</i> , 2009, 30, 3158-3166.	5.7	148
14	The Interaction of Bacteria with Engineered Nanostructured Polymeric Materials: A Review. <i>Scientific World Journal</i> , The, 2014, 2014, 1-18.	0.8	141
15	Binding of collagen to <i>Staphylococcus aureus</i> Cowan 1. <i>Journal of Bacteriology</i> , 1986, 167, 77-81.	1.0	139
16	Injectable pectin hydrogels produced by internal gelation: pH dependence of gelling and rheological properties. <i>Carbohydrate Polymers</i> , 2014, 103, 339-347.	5.1	135
17	Antibiotic resistance in exopolysaccharide-forming <i>Staphylococcus epidermidis</i> clinical isolates from orthopaedic implant infections. <i>Biomaterials</i> , 2005, 26, 6530-6535.	5.7	117
18	Synthesis and characterization of strontium-substituted hydroxyapatite nanoparticles for bone regeneration. <i>Materials Science and Engineering C</i> , 2017, 71, 653-662.	3.8	117

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19	Decreased Bacterial Adhesion to Surface-Treated Titanium. International Journal of Artificial Organs, 2005, 28, 718-730.	0.7	116
20	The Sbi Protein Is a Multifunctional Immune Evasion Factor of Staphylococcus aureus. Infection and Immunity, 2011, 79, 3801-3809.	1.0	114
21	Is the GehD Lipase from Staphylococcus epidermidis a Collagen Binding Adhesin?. Journal of Biological Chemistry, 2002, 277, 43017-43023.	1.6	113
22	Generation of mesenchymal stromal cells in the presence of platelet lysate: a phenotypic and functional comparison of umbilical cord blood- and bone marrow-derived progenitors. Haematologica, 2009, 94, 1649-1660.	1.7	111
23	Self-assembled monolayers of gold nanostars: a convenient tool for near-IR photothermal biofilm eradication. Chemical Communications, 2014, 50, 1969-1971.	2.2	111
24	The effect of silver or gallium doped titanium against the multidrug resistant Acinetobacter baumannii. Biomaterials, 2016, 80, 80-95.	5.7	111
25	Silver nanoparticles synthesized and coated with pectin: An ideal compromise for anti-bacterial and anti-biofilm action combined with wound-healing properties. Journal of Colloid and Interface Science, 2017, 498, 271-281.	5.0	110
26	Structural and functional role of Staphylococcus aureus surface components recognizing adhesive matrix molecules of the host. Future Microbiology, 2009, 4, 1337-1352.	1.0	106
27	Antibacterial Activity of Zinc Modified Titanium Oxide Surface. International Journal of Artificial Organs, 2006, 29, 434-442.	0.7	101
28	Effects of Electromagnetic Stimulation on Calcified Matrix Production by SAOS-2 Cells over a Polyurethane Porous Scaffold. Tissue Engineering, 2006, 12, 1985-1999.	4.9	100
29	Electro-magnetic field promotes osteogenic differentiation of BM-hMSCs through a selective action on Ca ²⁺ -related mechanisms. Scientific Reports, 2015, 5, 13856.	1.6	98
30	Biodegradable microgrooved polymeric surfaces obtained by photolithography for skeletal muscle cell orientation and myotube development. Acta Biomaterialia, 2010, 6, 1948-1957.	4.1	95
31	The Tandem \hat{I}^2 -Zipper Model Defines High Affinity Fibronectin-binding Repeats within Staphylococcus aureus FnBPA. Journal of Biological Chemistry, 2007, 282, 25893-25902.	1.6	90
32	Tuning Multi/Pluri-Potent Stem Cell Fate by Electrospun Poly(lactide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (acid)-Ca	2.6	88
33	New multifunctional poly(lactide acid) composites: Mechanical, antibacterial, and degradation properties. Journal of Applied Polymer Science, 2012, 124, 87-98.	1.3	87
34	A Comparative Analysis of the In Vitro Effects of Pulsed Electromagnetic Field Treatment on Osteogenic Differentiation of Two Different Mesenchymal Cell Lineages. BioResearch Open Access, 2013, 2, 283-294.	2.6	81
35	Megakaryocyte-matrix interaction within bone marrow: new roles for fibronectin and factor XIII-A. Blood, 2011, 117, 2476-2483.	0.6	76
36	Cytocompatibility and Antibacterial Properties of Capping Materials. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	73

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37	Functional Properties of Plasticized Bio-Based Poly(Lactic Acid)_Poly(Hydroxybutyrate) (PLA_PHB) Films for Active Food Packaging. Food and Bioprocess Technology, 2017, 10, 770-780.	2.6	72
38	Gold Nanoparticles: Can They Be the Next Magic Bullet for Multidrug-Resistant Bacteria?. Nanomaterials, 2021, 11, 312.	1.9	70
39	Emerging Pathogenetic Mechanisms of the Implant-Related Osteomyelitis by <i>Staphylococcus Aureus</i> . International Journal of Artificial Organs, 2011, 34, 781-788.	0.7	69
40	In vitro calcified matrix deposition by human osteoblasts onto a zinc-containing bioactive glass. , 2011, 21, 59-72.		68
41	FbsA, a fibrinogen-binding protein from <i>Streptococcus agalactiae</i> , mediates platelet aggregation. Blood, 2005, 105, 1052-1059.	0.6	65
42	The differentiation of human adipose-derived stem cells (hASCs) into osteoblasts is promoted by low amplitude, high frequency vibration treatment. Bone, 2011, 49, 295-303.	1.4	64
43	Rapid Detection of Human Metapneumovirus Strains in Nasopharyngeal Aspirates and Shell Vial Cultures by Monoclonal Antibodies. Journal of Clinical Microbiology, 2005, 43, 3443-3446.	1.8	63
44	Metal Nanoparticles Embedded in Cellulose Nanocrystal Based Films: Material Properties and Post-use Analysis. Biomacromolecules, 2018, 19, 2618-2628.	2.6	62
45	Immune evasion by <i>Staphylococcus aureus</i> conferred by iron-regulated surface determinant protein IsdH. Microbiology (United Kingdom), 2009, 155, 667-679.	0.7	60
46	Influence of the nanofiber chemistry and orientation of biodegradable poly(butylene succinate)-based scaffolds on osteoblast differentiation for bone tissue regeneration. Nanoscale, 2018, 10, 8689-8703.	2.8	60
47	Multiple binding sites in fibronectin and the staphylococcal fibronectin receptor. FEBS Journal, 1992, 207, 327-333.	0.2	59
48	A multiplex PCR method for the detection of all five individual genes of <i>ica</i> locus in <i>Staphylococcus epidermidis</i> . A survey on 400 clinical isolates from prosthesis-associated infections. Journal of Biomedical Materials Research - Part A, 2005, 75A, 408-413.	2.1	59
49	Electrochemically induced anatase inhibits bacterial colonization on Titanium Grade 2 and Ti6Al4V alloy for dental and orthopedic devices. Colloids and Surfaces B: Biointerfaces, 2011, 88, 648-655.	2.5	59
50	Human adipose-derived stem cells (hASCs) proliferate and differentiate in osteoblast-like cells on trabecular titanium scaffolds. Journal of Biomedical Materials Research - Part A, 2010, 94A, 790-799.	2.1	58
51	Antibody Response to Fibronectin-Binding Adhesin FnbpA in Patients with <i>Staphylococcus aureus</i> Infections. Infection and Immunity, 1998, 66, 5433-5442.	1.0	57
52	Monoclonal Antibodies to CNA, a Collagen-binding Microbial Surface Component Recognizing Adhesive Matrix Molecules, Detach <i>Staphylococcus aureus</i> from a Collagen Substrate. Journal of Biological Chemistry, 2000, 275, 39837-39845.	1.6	56
53	Environmentally Friendly Lycopene Purification from Tomato Peel Waste: Enzymatic Assisted Aqueous Extraction. Journal of Agricultural and Food Chemistry, 2013, 61, 1646-1651.	2.4	55
54	Calcified Matrix Production by SAOS-2 Cells Inside a Polyurethane Porous Scaffold, Using a Perfusion Bioreactor. Tissue Engineering, 2005, 11, 685-700.	4.9	54

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55	Ternary PVA nanocomposites containing cellulose nanocrystals from different sources and silver particles: Part II. Carbohydrate Polymers, 2013, 97, 837-848.	5.1	53
56	Characterization of 26 Staphylococcus warneri isolates from orthopedic infections. International Journal of Artificial Organs, 2010, 33, 575-581.	0.7	52
57	Combined Effects of Ag Nanoparticles and Oxygen Plasma Treatment on PLGA Morphological, Chemical, and Antibacterial Properties. Biomacromolecules, 2013, 14, 626-636.	2.6	52
58	Synergic Effect of Nanolignin and Metal Oxide Nanoparticles into Poly(l-lactide) Bionanocomposites: Material Properties, Antioxidant Activity, and Antibacterial Performance. ACS Applied Bio Materials, 2020, 3, 5263-5274.	2.3	52
59	Ex vivo immunosuppressive effects of mesenchymal stem cells on Crohn's disease mucosal T cells are largely dependent on indoleamine 2,3-dioxygenase activity and cell-cell contact. Stem Cell Research and Therapy, 2015, 6, 137.	2.4	51
60	Thrombopoietin/TGF- β 1 Loop Regulates Megakaryocyte Extracellular Matrix Component Synthesis. Stem Cells, 2016, 34, 1123-1133.	1.4	49
61	Adhesion of Streptococcus Mutans to Different Restorative Materials. International Journal of Artificial Organs, 2009, 32, 671-677.	0.7	48
62	A Novel Antibacterial Modification Treatment of Titanium Capable to Improve Osseointegration. International Journal of Artificial Organs, 2012, 35, 864-875.	0.7	48
63	Investigation of low-level laser therapy potentiality on proliferation and differentiation of human osteoblast-like cells in the absence/presence of osteogenic factors. Journal of Biomedical Optics, 2013, 18, 128006.	1.4	48
64	Cloning and expression of two different genes from Streptococcus dysgalactiae encoding fibronectin receptors. Journal of Biological Chemistry, 1992, 267, 1924-1931.	1.6	48
65	SiO ₂ -P ₂ O ₅ -CaO Glasses and Glass-Ceramics with and without ZnO: Relationships among Composition, Microstructure, and Bioactivity. Journal of Physical Chemistry C, 2009, 113, 8821-8828.	1.5	47
66	Effect of air polishing with glycine powder on titanium abutment surfaces. Clinical Oral Implants Research, 2013, 24, 904-909.	1.9	47
67	In vitro interaction of human fibroblasts and platelets with a shape-memory polyurethane. Journal of Biomedical Materials Research - Part A, 2005, 73A, 1-11.	2.1	46
68	Cloning and expression of two different genes from Streptococcus dysgalactiae encoding fibronectin receptors. Journal of Biological Chemistry, 1992, 267, 1924-31.	1.6	46
69	Pain assessment in animal models: do we need further studies?. Journal of Pain Research, 2014, 7, 227.	0.8	45
70	A Monoclonal Antibody Enhances Ligand Binding of Fibronectin MSCRAMM (Adhesin) from Streptococcus dysgalactiae. Journal of Biological Chemistry, 1996, 271, 1371-1378.	1.6	44
71	Concise Survey of Staphylococcus Aureus Virulence Factors that Promote Adhesion and Damage to Peri-Implant Tissues. International Journal of Artificial Organs, 2011, 34, 771-780.	0.7	44
72	Easily synthesized novel biodegradable copolyesters with adjustable properties for biomedical applications. Soft Matter, 2012, 8, 5466.	1.2	43

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73	Isolation and Characterization of a Novel Collagen-binding Protein from <i>Streptococcus pyogenes</i> Strain 6414. <i>Journal of Biological Chemistry</i> , 1995, 270, 347-353.	1.6	42
74	Mesoporous Bioactive Glass as a Multifunctional System for Bone Regeneration and Controlled Drug Release. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2012, 10, 12-21.	0.7	42
75	Sterilization treatments on polysaccharides: Effects and side effects on pectin. <i>Food Hydrocolloids</i> , 2013, 31, 74-84.	5.6	42
76	Allosteric Regulation of Fibronectin/ $\alpha 5 \beta 1$ Interaction by Fibronectin-Binding MSCRAMMs. <i>PLoS ONE</i> , 2016, 11, e0159118.	1.1	41
77	Structural and biochemical characterization of a new type of lectin isolated from carp eggs. <i>Biochemical Journal</i> , 2003, 376, 433-440.	1.7	40
78	The Photodynamic Effect of Tetra-Substituted N-Methyl-Pyridyl-Porphine Combined with the Action of Vancomycin or Host Defense Mechanisms Disrupts <i>Staphylococcus Epidermidis</i> Biofilms. <i>International Journal of Artificial Organs</i> , 2009, 32, 574-583.	0.7	40
79	In Vitro Enhancement of SAOS-2 Cell Calcified Matrix Deposition onto Radio Frequency Magnetron Sputtered Bioglass-Coated Titanium Scaffolds. <i>Tissue Engineering - Part A</i> , 2010, 16, 995-1008.	1.6	40
80	Microgravity-driven remodeling of the proteome reveals insights into molecular mechanisms and signal networks involved in response to the space flight environment. <i>Journal of Proteomics</i> , 2016, 137, 3-18.	1.2	40
81	Photodynamic Action of Tri-meso (N-methylpyridyl), meso (N-tetradecyl-pyridyl) Porphine on <i>Staphylococcus Epidermidis</i> Biofilms Grown on Ti6Al4V Alloy. <i>International Journal of Artificial Organs</i> , 2010, 33, 636-645.	0.7	39
82	Cellulose nanocrystals as templates for cetyltrimethylammonium bromide mediated synthesis of Ag nanoparticles and their novel use in PLA films. <i>Carbohydrate Polymers</i> , 2017, 157, 1557-1567.	5.1	39
83	Orthopedic implant infections: Incompetence of <i>Staphylococcus epidermidis</i> , <i>Staphylococcus lugdunensis</i> , and <i>Enterococcus faecalis</i> to invade osteoblasts. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 788-801.	2.1	38
84	Controlled Release of Thymol from Poly(Lactic Acid)-Based Silver Nanocomposite Films with Antibacterial and Antioxidant Activity. <i>Antioxidants</i> , 2020, 9, 395.	2.2	38
85	Purification of human plasma fibronectin using immobilized gelatin and Arg affinity chromatography. <i>Nature Protocols</i> , 2008, 3, 525-533.	5.5	36
86	Prevention and Treatment of <i>Staphylococcus</i> Biofilms. <i>Current Medicinal Chemistry</i> , 2008, 15, 3185-3195.	1.2	36
87	Effects of Electromagnetic Stimulation on Osteogenic Differentiation of Human Mesenchymal Stromal Cells Seeded onto Gelatin Cryogel. <i>International Journal of Immunopathology and Pharmacology</i> , 2011, 24, 1-6.	1.0	36
88	Binding of collagens to an enterotoxigenic strain of <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 1990, 58, 449-455.	1.0	36
89	Structure and Properties of the C-terminal Domain of Insulin-like Growth Factor-binding Protein-1 Isolated from Human Amniotic Fluid. <i>Journal of Biological Chemistry</i> , 2005, 280, 29812-29819.	1.6	35
90	Electromagnetic enhancement of a culture of human SAOS-2 osteoblasts seeded onto titanium fiber mesh scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 750-759.	2.1	35

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91	Engineering Immunomodulatory Biomaterials for Regenerating the Infarcted Myocardium. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 292.	2.0	34
92	Standardization of antimicrobial testing of dental devices. <i>Dental Materials</i> , 2020, 36, e59-e73.	1.6	33
93	Enhancement of the Biological and Mechanical Performances of Sintered Hydroxyapatite by Multiple Ions Doping. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	33
94	Pectins from <i>Aloe Vera</i> : Extraction and production of gels for regenerative medicine. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	32
95	Ether-Oxygen Containing Electrospun Microfibrous and Sub-Microfibrous Scaffolds Based on Poly(butylene 1,4-cyclohexanedicarboxylate) for Skeletal Muscle Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3212.	1.8	32
96	The effect of pulsed electromagnetic field exposure on osteoinduction of human mesenchymal stem cells cultured on nano-TiO ₂ surfaces. <i>PLoS ONE</i> , 2018, 13, e0199046.	1.1	32
97	Surface modification of a porous polyurethane through a culture of human osteoblasts and an electromagnetic bioreactor. <i>Technology and Health Care</i> , 2006, 15, 33-45.	0.5	32
98	Photoactivated Disinfection (PAD) in Endodontics: an <i>in vitro</i> Microbiological Evaluation. <i>International Journal of Artificial Organs</i> , 2011, 34, 889-897.	0.7	31
99	Novel ether-linkages containing aliphatic copolyesters of poly(butylene 1,4-cyclohexanedicarboxylate) as promising candidates for biomedical applications. <i>Materials Science and Engineering C</i> , 2014, 34, 86-97.	3.8	31
100	Poly(L-Lactic Acid Nanofiber/Polyamidoamine Hydrogel Composites: Preparation, Properties, and Preliminary Evaluation as Scaffolds for Human Pluripotent Stem Cell Culturing. <i>Macromolecular Bioscience</i> , 2016, 16, 1533-1544.	2.1	31
101	Heterogeneous and self-organizing mineralization of bone matrix promoted by hydroxyapatite nanoparticles. <i>Nanoscale</i> , 2017, 9, 17274-17283.	2.8	31
102	<i>Staphylococcus Lugdunensis</i> , An Aggressive Coagulase-Negative Pathogen not to be Underestimated. <i>International Journal of Artificial Organs</i> , 2012, 35, 742-753.	0.7	30
103	Polyurethane-Based Composites: Effects of Antibacterial Fillers on the Physical-Mechanical Behavior of Thermoplastic Polyurethanes. <i>Polymers</i> , 2020, 12, 362.	2.0	30
104	Binding of <i>Streptococcus gordonii</i> to extracellular matrix proteins. <i>FEMS Microbiology Letters</i> , 2006, 265, 172-177.	0.7	29
105	Ultrasonic and Electromagnetic Enhancement of a Culture of Human SAOS-2 Osteoblasts Seeded onto a Titanium Plasma-Spray Surface. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 233-242.	1.1	29
106	Solubility of Root Canal Sealers: A Comparative Study. <i>International Journal of Artificial Organs</i> , 2010, 33, 676-681.	0.7	29
107	Stem Cells Grown in Osteogenic Medium on PLGA, PLGA/HA, and Titanium Scaffolds for Surgical Applications. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-12.	1.8	29
108	Wool fibril sponges with perspective biomedical applications. <i>Materials Science and Engineering C</i> , 2016, 61, 42-50.	3.8	29

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109	Topological, Mechanical and Biological Properties of Ti6Al4V Scaffolds for Bone Tissue Regeneration Fabricated with Reused Powders via Electron Beam Melting. <i>Materials</i> , 2021, 14, 224.	1.3	29
110	In Vitro Production of Calcified Bone Matrix onto Wool Keratin Scaffolds via Osteogenic Factors and Electromagnetic Stimulus. <i>Materials</i> , 2020, 13, 3052.	1.3	28
111	Progress in Niobium Oxide-Containing Coatings for Biomedical Applications: A Critical Review. <i>ACS Omega</i> , 2022, 7, 9088-9107.	1.6	28
112	Interactions of Staphylococci with Osteoblasts and Phagocytes in the Pathogenesis of Implant-Associated Osteomyelitis. <i>International Journal of Artificial Organs</i> , 2012, 35, 713-726.	0.7	27
113	Reactive hydroxyapatite fillers for pectin biocomposites. <i>Materials Science and Engineering C</i> , 2014, 45, 154-161.	3.8	27
114	Disassembling the complexity of mucus barriers to develop a fast screening tool for early drug discovery. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4940-4952.	2.9	27
115	Biomechanical performances of PCL/HA micro- and macro-porous lattice scaffolds fabricated via laser powder bed fusion for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2021, 128, 112300.	3.8	27
116	Heparin-binding domain of human fibronectin binds HIV-1 gp120/160 and reduces virus infectivity. , 1998, 54, 44-53.		26
117	Antimicrobial Activity of Sodium Hypochlorite-Based Irrigating Solutions. <i>International Journal of Artificial Organs</i> , 2010, 33, 654-659.	0.7	26
118	Stimulation of osteoblast growth by an electromagnetic field in a model of bone-like construct. <i>European Journal of Histochemistry</i> , 2006, 50, 199-204.	0.6	26
119	High-Frequency Vibration Treatment of Human Bone Marrow Stromal Cells Increases Differentiation toward Bone Tissue. <i>Bone Marrow Research</i> , 2013, 2013, 1-13.	1.7	25
120	Antimicrobial Properties and Cytocompatibility of PLGA/Ag Nanocomposites. <i>Materials</i> , 2016, 9, 37.	1.3	25
121	Increasing the Antibacterial Effect of Lysozyme by Immobilization on Multi-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3100-3106.	0.9	24
122	Nanostructured TiO ₂ Surfaces Promote Human Bone Marrow Mesenchymal Stem Cells Differentiation to Osteoblasts. <i>Nanomaterials</i> , 2016, 6, 124.	1.9	24
123	Controlled Release, Disintegration, Antioxidant, and Antimicrobial Properties of Poly (Lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	24
124	Internalization by Osteoblasts of Two <i>Staphylococcus Aureus</i> Clinical Isolates Differing in their Adhesin Gene Pattern. <i>International Journal of Artificial Organs</i> , 2011, 34, 789-798.	0.7	23
125	Bone Reconstruction: Au Nanocomposite Bioglasses with Antibacterial Properties. <i>International Journal of Artificial Organs</i> , 2011, 34, 920-928.	0.7	23
126	Bacterial adhesion to poly-(d , l)lactic acid blended with vitamin E: Toward gentle anti-infective biomaterials. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1447-1458.	2.1	23

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127	In vitro study of multiwall carbon nanotubes (MWCNTs) with adsorbed mitoxantrone (MTO) as a drug delivery system to treat breast cancer. RSC Advances, 2014, 4, 18683-18693.	1.7	22
128	Treatment of Biofilm Communities: An Update on New Tools from the Nanosized World. Applied Sciences (Switzerland), 2018, 8, 845.	1.3	22
129	Binding sites in fibronectin for an enterotoxigenic strain of E. coli B342289c. FEBS Letters, 1991, 290, 111-114.	1.3	21
130	Quantification of Staphylococcus aureus cell surface adhesins using flow cytometry. Microbial Pathogenesis, 2000, 29, 357-361.	1.3	21
131	Biofilm Extracellular-DNA in 55 Staphylococcus Epidermidis Clinical Isolates from Implant Infections. International Journal of Artificial Organs, 2011, 34, 840-846.	0.7	21
132	Relationship between pharmacokinetic profile of subcutaneously administered alemtuzumab and clinical response in patients with chronic lymphocytic leukemia. Haematologica, 2011, 96, 932-936.	1.7	21
133	Molecular Characterization of a Prevalent Ribocluster of Methicillin-Sensitive Staphylococcus aureus from Orthopedic Implant Infections. Correspondence with MLST CC30. Frontiers in Cellular and Infection Microbiology, 2016, 6, 8.	1.8	21
134	Antibacterial Effects of Six Endodontic Sealers. International Journal of Artificial Organs, 2011, 34, 908-913.	0.7	20
135	Comparison of apical extrusion of intracanal bacteria by various glide-path establishing systems: an in vitro study. Restorative Dentistry & Endodontics, 2017, 42, 316.	0.6	20
136	Polyurethane-Based Coatings with Promising Antibacterial Properties. Materials, 2020, 13, 4296.	1.3	20
137	Additive Manufacturing: An Opportunity for the Fabrication of Near-Net-Shape NiTi Implants. Journal of Manufacturing and Materials Processing, 2022, 6, 65.	1.0	20
138	In vitro electromagnetically stimulated SAOS osteoblasts inside porous hydroxyapatite. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1272-1279.	2.1	19
139	Use of a gelatin cryogel as biomaterial scaffold in the differentiation process of human bone marrow stromal cells. , 2010, 2010, 247-50.		19
140	From micro- to nanostructured implantable device for local anesthetic delivery. International Journal of Nanomedicine, 2016, 11, 2695.	3.3	19
141	The NATO project: nanoparticle-based countermeasures for microgravity-induced osteoporosis. Scientific Reports, 2019, 9, 17141.	1.6	19
142	Extra-Small Gold Nanospheres Decorated With a Thiol Functionalized Biodegradable and Biocompatible Linear Polyamidoamine as Nanovectors of Anticancer Molecules. Frontiers in Bioengineering and Biotechnology, 2020, 8, 132.	2.0	19
143	Identification of the amniotic fluid insulin-like growth factor binding protein phosphorylation sites and propensity to proteolysis of the isoforms. FEBS Journal, 2009, 276, 6033-6046.	2.2	18
144	Electromagnetic Stimulation to Optimize the Bone Regeneration Capacity of Gelatin-Based Cryogels. International Journal of Immunopathology and Pharmacology, 2012, 25, 165-174.	1.0	18

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145	Combining Biologically Active $\hat{2}$ -Lactams Integrin Agonists with Poly(<i>l</i> -lactic acid) Nanofibers: Enhancement of Human Mesenchymal Stem Cell Adhesion. <i>Biomacromolecules</i> , 2020, 21, 1157-1170.	2.6	18
146	Targeting the "Sweet Side" of Tumor with Glycan-Binding Molecules Conjugated-Nanoparticles: Implications in Cancer Therapy and Diagnosis. <i>Nanomaterials</i> , 2021, 11, 289.	1.9	18
147	Multiple Interactions of FbsA, a Surface Protein from <i>Streptococcus agalactiae</i> , with Fibrinogen: Affinity, Stoichiometry, and Structural Characterization. <i>Biochemistry</i> , 2006, 45, 12840-12852.	1.2	17
148	Improved cell growth by Bio-Oss/PLA scaffolds for use as a bone substitute. <i>Technology and Health Care</i> , 2009, 16, 401-413.	0.5	17
149	Effect of Winemaking on the Composition of Red Wine as a Source of Polyphenols for Anti-Infective Biomaterials. <i>Materials</i> , 2016, 9, 316.	1.3	17
150	Photodynamic Action of Merocyanine 540 on <i>Staphylococcus Epidermidis</i> Biofilms. <i>International Journal of Artificial Organs</i> , 2008, 31, 848-857.	0.7	16
151	Evaluation of Bacterial Adhesion on Machined Titanium, Osseotite [®] and Nanotite [®] Discs. <i>International Journal of Artificial Organs</i> , 2012, 35, 754-761.	0.7	16
152	BDNF levels are associated with autistic traits in the general population. <i>Psychoneuroendocrinology</i> , 2018, 89, 131-133.	1.3	16
153	Increased CNTF levels in adults with autism spectrum disorders. <i>World Journal of Biological Psychiatry</i> , 2019, 20, 742-746.	1.3	16
154	In Vitro Interactions of Biomedical Polyurethanes with Macrophages and Bacterial Cells. <i>Journal of Biomaterials Applications</i> , 2002, 16, 191-214.	1.2	15
155	Tolerogenic effect of mesenchymal stromal cells on gliadin-specific T lymphocytes in celiac disease. <i>Cytotherapy</i> , 2014, 16, 1080-1091.	0.3	15
156	Gold Nanoparticles Contact with Cancer Cell: A Brief Update. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7683.	1.8	15
157	FbsA-Driven Fibrinogen Polymerization: A Bacterial "Deceiving Strategy". <i>Physical Review Letters</i> , 2006, 96, 028108.	2.9	14
158	<i>Staphylococcus</i> Biofilm Components as Targets for Vaccines and Drugs. <i>International Journal of Artificial Organs</i> , 2007, 30, 813-819.	0.7	14
159	Antibacterial Efficacy of Conventional and Single-use Ni-Ti Endodontic Instruments: An in vitro Microbiological Evaluation. <i>International Journal of Artificial Organs</i> , 2012, 35, 826-831.	0.7	13
160	Polysaccharide-based hydrogels with tunable composition as 3D cell culture systems. <i>International Journal of Artificial Organs</i> , 2018, 41, 213-222.	0.7	13
161	<i>In vitro</i> Evaluation of Antimicrobial Efficacy of Endodontic Irrigants. <i>International Journal of Artificial Organs</i> , 2011, 34, 914-919.	0.7	12
162	In vitro Antibacterial Activity of Different Self-Etch Adhesives. <i>International Journal of Artificial Organs</i> , 2012, 35, 847-853.	0.7	12

#	ARTICLE	IF	CITATIONS
163	An Overview of the Methodological Approach to the in Vitro Study of Anti-Infective Biomaterials. <i>International Journal of Artificial Organs</i> , 2012, 35, 800-816.	0.7	12
164	Indium/Gallium Maltolate Effects on Human Breast Carcinoma Cells: In Vitro Investigation on Cytotoxicity and Synergism with Mitoxantrone. <i>ACS Omega</i> , 2018, 3, 4631-4640.	1.6	12
165	Surface modification of a porous polyurethane through a culture of human osteoblasts and an electromagnetic bioreactor. <i>Technology and Health Care</i> , 2007, 15, 33-45.	0.5	12
166	Improved cell growth by Bio-Oss/PLA scaffolds for use as a bone substitute. <i>Technology and Health Care</i> , 2008, 16, 401-13.	0.5	12
167	Biomaterials and biophysical stimuli for bone regeneration. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2018, 32, 41-49.	0.7	12
168	Identification and characterization of a new ligand-binding site in FnBB, a fibronectin-binding adhesin from <i>Streptococcus dysgalactiae</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1646, 173-183.	1.1	11
169	New heparinizable modified poly(carbonate urethane) surfaces diminishing bacterial colonization. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 2109-2115.	1.7	11
170	Low-Power Ultrasounds as a Tool to Culture Human Osteoblasts inside Cancellous Hydroxyapatite. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-8.	1.8	11
171	The role of ionic interactions in the adherence of the <i>Staphylococcus epidermidis</i> adhesin SdrF to prosthetic material. <i>FEMS Microbiology Letters</i> , 2013, 338, 24-30.	0.7	11
172	Biological and Structural Characterization of a Naturally Inspired Material Engineered from Elastin as a Candidate for Tissue Engineering Applications. <i>Langmuir</i> , 2013, 29, 15898-15906.	1.6	11
173	Carboxymethylinulin- <i>Chitosan</i> Nanoparticles for the Delivery of Antineoplastic Mitoxantrone. <i>ChemMedChem</i> , 2016, 11, 2436-2444.	1.6	11
174	Increased Antibacterial and Antibiofilm Properties of Silver Nanoparticles Using Silver Fluoride as Precursor. <i>Molecules</i> , 2020, 25, 3494.	1.7	11
175	The apolipoprotein(a) component of lipoprotein(a) mediates binding to laminin: contribution to selective retention of lipoprotein(a) in atherosclerotic lesions. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1687, 1-10.	1.2	10
176	SEM Evaluation of the Root Canal Walls after Treatment with Tetraclean. <i>International Journal of Artificial Organs</i> , 2010, 33, 660-666.	0.7	10
177	New Parameters to Quantitatively Express the Invasiveness of Bacterial Strains from Implant-Related Orthopaedic Infections into Osteoblast Cells. <i>Materials</i> , 2018, 11, 550.	1.3	9
178	Antibacterial Properties of a Novel Zirconium Phosphate-Glycinediphosphonate Loaded with Either Zinc or Silver. <i>Materials</i> , 2019, 12, 3184.	1.3	9
179	Biocompatible PBS-based copolymer for soft tissue engineering: Introduction of disulfide bonds as winning tool to tune the final properties. <i>Polymer Degradation and Stability</i> , 2020, 182, 109403.	2.7	9
180	Mucosomes: Intrinsically Mucoadhesive Glycosylated Mucin Nanoparticles as Multi-Drug Delivery Platform. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	9

#	ARTICLE	IF	CITATIONS
181	Novel Poly(urethane-aminoamides): an in vitro study of the interaction with heparin. Journal of Biomaterials Science, Polymer Edition, 2000, 11, 353-365.	1.9	8
182	Polymorphisms of <i>agr</i> locus correspond to distinct genetic patterns of virulence in <i>Staphylococcus aureus</i> clinical isolates from orthopedic implant infections. Journal of Biomedical Materials Research - Part A, 2010, 94A, 825-832.	2.1	8
183	Poly(Ethylene Glycol) and Hydroxy Functionalized Alkane Phosphate Self-Assembled Monolayers Reduce Bacterial Adhesion and Support Osteoblast Proliferation. International Journal of Artificial Organs, 2011, 34, 898-907.	0.7	8
184	An in vivo Comparison Study Between Strontium Nanoparticles and rhBMP2. Frontiers in Bioengineering and Biotechnology, 2020, 8, 499.	2.0	8
185	Electromagnetically enhanced coating of a sintered titanium grid with human SAOS-2 osteoblasts and extracellular matrix. , 2008, 2008, 3582-5.		7
186	Falsely Elevated Whole Blood Cyclosporine Concentrations Measured by an Immunoassay With Automated Pretreatment. Therapeutic Drug Monitoring, 2010, 32, 791-792.	1.0	7
187	Functional analysis of a murine monoclonal antibody against the repetitive region of the fibronectin-binding adhesin fibronectin-binding protein A and fibronectin-binding protein B from <i>Staphylococcus aureus</i> . FEBS Journal, 2010, 277, 4490-4505.	2.2	7
188	Electrochemically Deposited Gentamicin-Loaded Calcium phosphate Coatings for Bone Tissue Integration. International Journal of Artificial Organs, 2012, 35, 876-883.	0.7	7
189	Preparation and Characterization of an Advanced Medical Device for Bone Regeneration. AAPS PharmSciTech, 2014, 15, 75-82.	1.5	7
190	Data in support of Gallium (Ga ³⁺) antibacterial activities to counteract <i>E. coli</i> and <i>S. epidermidis</i> biofilm formation onto pro-osteointegrative titanium surfaces. Data in Brief, 2016, 6, 758-762.	0.5	7
191	A New Sensitive Enzyme-Linked Immunosorbent Assay (ELISA) for Alemtuzumab Determination: Development, Validation and Application. International Journal of Immunopathology and Pharmacology, 2007, 20, 363-371.	1.0	6
192	Panton-Valentine Leukocidin Gene Detected in a <i>Staphylococcus Aureus</i> Strain Isolated from a Knee Arthroprosthesis Infection. International Journal of Artificial Organs, 2009, 32, 630-634.	0.7	6
193	In Vitro Osteogenesis of Human Stem Cells by Using a Three-Dimensional Perfusion Bioreactor Culture System: A Review. Recent Patents on Drug Delivery and Formulation, 2013, 7, 29-38.	2.1	6
194	Electrochemical surface modification of titanium for implant abutments can affect oral bacteria contamination. Journal of Applied Biomaterials and Biomechanics, 2008, 6, 170-7.	0.4	6
195	Expression of natriuretic peptides, nitric oxide synthase, and guanylate cyclase activity in frog mesonephros during the annual cycle. General and Comparative Endocrinology, 2004, 137, 166-176.	0.8	5
196	Combating Implant Infections. Remarks by a Women's Team. International Journal of Artificial Organs, 2008, 31, 858-864.	0.7	5
197	Keratin-based matrices from wool fibers and human hair. , 2019, , 375-403.		5
198	The Open Challenge of in vitro Modeling Complex and Multi-Microbial Communities in Three-Dimensional Niches. Frontiers in Bioengineering and Biotechnology, 2020, 8, 539319.	2.0	5

#	ARTICLE	IF	CITATIONS
199	Early Osteogenic Marker Expression in hMSCs Cultured onto Acid Etching-Derived Micro- and Nanotopography 3D-Printed Titanium Surfaces. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7070.	1.8	5
200	Physically enhanced coating of a titanium plasma-spray surface with human SAOS-2 osteoblasts and extracellular matrix. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 6415-8.	0.5	4
201	In vitro effect of temperature on the conformational structure and collagen binding of SdrF, a <i>Staphylococcus epidermidis</i> adhesin. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5593-5603.	1.7	4
202	Design of Multifunctional Polysaccharides for Biomedical Applications: A Critical Review. <i>Current Organic Chemistry</i> , 2018, 22, 1222-1236.	0.9	4
203	Drug Delivery Systems for Chemotherapeutics through Selected Polysaccharidic Vehicles. <i>Current Organic Chemistry</i> , 2018, 22, 1157-1192.	0.9	4
204	Haralick's texture analysis to predict cellular proliferation on randomly oriented electrospun nanomaterials. <i>Nanoscale Advances</i> , 2022, 4, 1330-1335.	2.2	4
205	Bioinspired in vitro intestinal mucus model for 3D-dynamic culture of bacteria. , 2022, 139, 213022.		4
206	Development and Validation of an Enzyme Linked Immunosorbent Assay for Palivizumab Serum Determination. <i>International Journal of Immunopathology and Pharmacology</i> , 2013, 26, 503-510.	1.0	3
207	Enhanced in vitro culture of human SAOS-2 osteoblasts on a sand-blasted titanium surface modified with plastic deformation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 6411-4.	0.5	2
208	Can Nanotechnology Shine a New Light on Antimicrobial Photodynamic Therapies?. , 0, , .		2
209	2nd Centro3R Annual Meeting: 3Rs in Italian universities. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 493-495.	0.9	2
210	Ultrasound stimulus to enhance the bone regeneration capability of gelatin cryogels. , 2013, 2013, 846-9.		1
211	PEEK Titanium Composite (PTC) for Spinal Implants. , 2017, , 427-465.		1
212	Surface modification of titanium fiber-mesh scaffolds through a culture of human SAOS-2 osteoblasts electromagnetically stimulated. , 2007, , 238-241.		1
213	Editorial: Recent Advances in Recombinant Antibody Therapeutics and Diagnostics for Infectious Diseases. <i>Frontiers in Public Health</i> , 2022, 10, 876889.	1.3	1
214	Protein Immobilization onto Newly Developed Polyurethane-Maleamides for Endothelial Cell Growth. , 2002, , 235-242.		0
215	Merocyanine-540 mediated photodynamic effects on <i>Staphylococcus epidermidis</i> biofilms. , 2009, , .		0
216	In vitro analysis of low-level laser irradiation on human osteoblast-like cells proliferation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0

#	ARTICLE	IF	CITATIONS
217	In Vitro Osteogenesis of Human Stem Cells by Using a Three-Dimensional Perfusion Bioreactor Culture System: A Review. Recent Patents on Drug Delivery and Formulation, 2012, 7, 29-38.	2.1	0
218	Atmospheric pressure non-thermal plasma for the production of composite materials. , 2015, , .		0
219	Effects of Electromagnetic Stimulation on Calcified Matrix Production by SAOS-2 Cells over a Polyurethane Porous Scaffold. Tissue Engineering, 2006, ,	4.9	0
220	Differentiation of human bone marrow stromal cells onto gelatin cryogel scaffolds. IFMBE Proceedings, 2010, , 9-12.	0.2	0
221	Bioprinting for skeletal tissue regeneration: from current trends to future promises. , 2022, , 271-301.		0