

# Livia Visai

## List of Publications by Citations

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211  
papers

7,870  
citations

48  
h-index

78  
g-index

227  
ext. papers

8,945  
ext. citations

4.5  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
211	Multifunctional bionanocomposite films of poly(lactic acid), cellulose nanocrystals and silver nanoparticles. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 1596-1605	10.3	458
210	Effect of electrospun fiber diameter and alignment on macrophage activation and secretion of proinflammatory cytokines and chemokines. <i>Biomacromolecules</i> , <b>2011</b> , 12, 1900-11	6.9	202
209	Titanium oxide antibacterial surfaces in biomedical devices. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 929-46	1.9	186
208	Extracellular DNA in biofilms. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 824-31	1.9	177
207	Characterization of novel LPXTG-containing proteins of Staphylococcus aureus identified from genome sequences. <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 643-654	2.9	161
206	Copper-containing mesoporous bioactive glass nanoparticles as multifunctional agent for bone regeneration. <i>Acta Biomaterialia</i> , <b>2017</b> , 55, 493-504	10.8	158
205	Polyvinyl alcohol/chitosan hydrogels with enhanced antioxidant and antibacterial properties induced by lignin nanoparticles. <i>Carbohydrate Polymers</i> , <b>2018</b> , 181, 275-284	10.3	156
204	Fibronectin-binding proteins of Staphylococcus aureus mediate activation of human platelets via fibrinogen and fibronectin bridges to integrin GPIIb/IIIa and IgG binding to the FcγR1a receptor. <i>Molecular Microbiology</i> , <b>2006</b> , 59, 212-30	4.1	153
203	Antibiofilm activity of a monolayer of silver nanoparticles anchored to an amino-silanized glass surface. <i>Biomaterials</i> , <b>2014</b> , 35, 1779-88	15.6	152
202	Toluidine blue-mediated photodynamic effects on staphylococcal biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 299-305	5.9	137
201	Nano-biocomposite films with modified cellulose nanocrystals and synthesized silver nanoparticles. <i>Carbohydrate Polymers</i> , <b>2014</b> , 101, 1122-33	10.3	136
200	The effect of photodynamic treatment combined with antibiotic action or host defence mechanisms on Staphylococcus aureus biofilms. <i>Biomaterials</i> , <b>2009</b> , 30, 3158-66	15.6	125
199	Binding of collagen to Staphylococcus aureus Cowan 1. <i>Journal of Bacteriology</i> , <b>1986</b> , 167, 77-81	3.5	119
198	The interaction of bacteria with engineered nanostructured polymeric materials: a review. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 410423	2.2	108
197	Thermal stability improvement of blue colorant C-Phycocyanin from Spirulina platensis for food industry applications. <i>Process Biochemistry</i> , <b>2014</b> , 49, 154-159	4.8	107
196	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. <i>Haematologica</i> , <b>2009</b> , 94, 1649-60	6.6	104
195	Decreased bacterial adhesion to surface-treated titanium. <i>International Journal of Artificial Organs</i> , <b>2005</b> , 28, 718-30	1.9	100

194	Antibiotic resistance in exopolysaccharide-forming <i>Staphylococcus epidermidis</i> clinical isolates from orthopaedic implant infections. <i>Biomaterials</i> , <b>2005</b> , 26, 6530-5	15.6	97
193	The Sbi protein is a multifunctional immune evasion factor of <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , <b>2011</b> , 79, 3801-9	3.7	96
192	Self-assembled monolayers of gold nanostars: a convenient tool for near-IR photothermal biofilm eradication. <i>Chemical Communications</i> , <b>2014</b> , 50, 1969-71	5.8	95
191	Injectable pectin hydrogels produced by internal gelation: pH dependence of gelling and rheological properties. <i>Carbohydrate Polymers</i> , <b>2014</b> , 103, 339-47	10.3	93
190	Structural and functional role of <i>Staphylococcus aureus</i> surface components recognizing adhesive matrix molecules of the host. <i>Future Microbiology</i> , <b>2009</b> , 4, 1337-52	2.9	92
189	Effects of electromagnetic stimulation on calcified matrix production by SAOS-2 cells over a polyurethane porous scaffold. <i>Tissue Engineering</i> , <b>2006</b> , 12, 1985-99		91
188	Antibacterial activity of zinc modified titanium oxide surface. <i>International Journal of Artificial Organs</i> , <b>2006</b> , 29, 434-42	1.9	91
187	The effect of silver or gallium doped titanium against the multidrug resistant <i>Acinetobacter baumannii</i> . <i>Biomaterials</i> , <b>2016</b> , 80, 80-95	15.6	90
186	Is the GehD lipase from <i>Staphylococcus epidermidis</i> a collagen binding adhesin?. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 43017-23	5.4	88
185	Synthesis and characterization of strontium-substituted hydroxyapatite nanoparticles for bone regeneration. <i>Materials Science and Engineering C</i> , <b>2017</b> , 71, 653-662	8.3	84
184	Biodegradable microgrooved polymeric surfaces obtained by photolithography for skeletal muscle cell orientation and myotube development. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 1948-57	10.8	83
183	Silver nanoparticles synthesized and coated with pectin: An ideal compromise for anti-bacterial and anti-biofilm action combined with wound-healing properties. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 498, 271-281	9.3	82
182	Tuning multi/pluri-potent stem cell fate by electrospun poly(L-lactic acid)-calcium-deficient hydroxyapatite nanocomposite mats. <i>Biomacromolecules</i> , <b>2012</b> , 13, 1350-60	6.9	82
181	The tandem beta-zipper model defines high affinity fibronectin-binding repeats within <i>Staphylococcus aureus</i> FnBPA. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 25893-902	5.4	82
180	New multifunctional poly(lactide acid) composites: Mechanical, antibacterial, and degradation properties. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 87-98	2.9	75
179	Electro-magnetic field promotes osteogenic differentiation of BM-hMSCs through a selective action on Ca(2+)-related mechanisms. <i>Scientific Reports</i> , <b>2015</b> , 5, 13856	4.9	70
178	A comparative analysis of the in vitro effects of pulsed electromagnetic field treatment on osteogenic differentiation of two different mesenchymal cell lineages. <i>BioResearch Open Access</i> , <b>2013</b> , 2, 283-94	2.4	67
177	Megakaryocyte-matrix interaction within bone marrow: new roles for fibronectin and factor XIII-A. <i>Blood</i> , <b>2011</b> , 117, 2476-83	2.2	65

176	In vitro calcified matrix deposition by human osteoblasts onto a zinc-containing bioactive glass. <i>European Cells and Materials</i> , <b>2011</b> , 21, 59-72; discussion 72	4.3	62
175	Emerging pathogenetic mechanisms of the implant-related osteomyelitis by <i>Staphylococcus aureus</i> . <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 781-8	1.9	56
174	FbsA, a fibrinogen-binding protein from <i>Streptococcus agalactiae</i> , mediates platelet aggregation. <i>Blood</i> , <b>2005</b> , 105, 1052-9	2.2	56
173	The differentiation of human adipose-derived stem cells (hASCs) into osteoblasts is promoted by low amplitude, high frequency vibration treatment. <i>Bone</i> , <b>2011</b> , 49, 295-303	4.7	54
172	Functional Properties of Plasticized Bio-Based Poly(Lactic Acid)_Poly(Hydroxybutyrate) (PLA_PHB) Films for Active Food Packaging. <i>Food and Bioprocess Technology</i> , <b>2017</b> , 10, 770-780	5.1	52
171	Immune evasion by <i>Staphylococcus aureus</i> conferred by iron-regulated surface determinant protein IsdH. <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 667-679	2.9	52
170	Electrochemically induced anatase inhibits bacterial colonization on Titanium Grade 2 and Ti6Al4V alloy for dental and orthopedic devices. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 88, 648-55	6	51
169	Human adipose-derived stem cells (hASCs) proliferate and differentiate in osteoblast-like cells on trabecular titanium scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 94, 790-9	5.4	51
168	Calcified matrix production by SAOS-2 cells inside a polyurethane porous scaffold, using a perfusion bioreactor. <i>Tissue Engineering</i> , <b>2005</b> , 11, 685-700		51
167	Influence of the nanofiber chemistry and orientation of biodegradable poly(butylene succinate)-based scaffolds on osteoblast differentiation for bone tissue regeneration. <i>Nanoscale</i> , <b>2018</b> , 10, 8689-8703	7.7	50
166	Rapid detection of human metapneumovirus strains in nasopharyngeal aspirates and shell vial cultures by monoclonal antibodies. <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 3443-6	9.7	50
165	Antibody response to fibronectin-binding adhesin FnbpA in patients with <i>Staphylococcus aureus</i> infections. <i>Infection and Immunity</i> , <b>1998</b> , 66, 5433-42	3.7	50
164	Cytocompatibility and antibacterial properties of capping materials. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 181945	2.2	48
163	A multiplex PCR method for the detection of all five individual genes of ica locus in <i>Staphylococcus epidermidis</i> . A survey on 400 clinical isolates from prosthesis-associated infections. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2005</b> , 75, 408-13	5.4	48
162	Combined effects of Ag nanoparticles and oxygen plasma treatment on PLGA morphological, chemical, and antibacterial properties. <i>Biomacromolecules</i> , <b>2013</b> , 14, 626-36	6.9	47
161	Monoclonal antibodies to CNA, a collagen-binding microbial surface component recognizing adhesive matrix molecules, detach <i>Staphylococcus aureus</i> from a collagen substrate. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 39837-45	5.4	47
160	Multiple binding sites in fibronectin and the staphylococcal fibronectin receptor. <i>FEBS Journal</i> , <b>1992</b> , 207, 327-33		47
159	Cloning and expression of two different genes from <i>Streptococcus dysgalactiae</i> encoding fibronectin receptors.. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 1924-1931	5.4	45

158	Metal Nanoparticles Embedded in Cellulose Nanocrystal Based Films: Material Properties and Post-use Analysis. <i>Biomacromolecules</i> , <b>2018</b> , 19, 2618-2628	6.9	44
157	Investigation of low-level laser therapy potentiality on proliferation and differentiation of human osteoblast-like cells in the absence/presence of osteogenic factors. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 128006	3.5	44
156	Ternary PVA nanocomposites containing cellulose nanocrystals from different sources and silver particles: part II. <i>Carbohydrate Polymers</i> , <b>2013</b> , 97, 837-48	10.3	44
155	SiO <sub>2</sub> B <sub>2</sub> O <sub>5</sub> CaO Glasses and Glass-Ceramics with and without ZnO: Relationships among Composition, Microstructure, and Bioactivity. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8821-8828	3.8	44
154	Environmentally friendly lycopene purification from tomato peel waste: enzymatic assisted aqueous extraction. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 1646-51	5.7	43
153	A novel antibacterial modification treatment of titanium capable to improve osseointegration. <i>International Journal of Artificial Organs</i> , <b>2012</b> , 35, 864-75	1.9	42
152	Cloning and expression of two different genes from <i>Streptococcus dysgalactiae</i> encoding fibronectin receptors. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 1924-31	5.4	42
151	In vitro interaction of human fibroblasts and platelets with a shape-memory polyurethane. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2005</b> , 73, 1-11	5.4	41
150	Characterization of 26 <i>Staphylococcus warneri</i> isolates from orthopedic infections. <i>International Journal of Artificial Organs</i> , <b>2010</b> , 33, 575-81	1.9	40
149	Mesoporous bioactive glass as a multifunctional system for bone regeneration and controlled drug release. <i>Journal of Applied Biomaterials and Functional Materials</i> , <b>2012</b> , 10, 12-21	1.8	38
148	Structural and biochemical characterization of a new type of lectin isolated from carp eggs. <i>Biochemical Journal</i> , <b>2003</b> , 376, 433-40	3.8	38
147	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. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 137	8.3	37
146	Adhesion of <i>Streptococcus mutans</i> to different restorative materials. <i>International Journal of Artificial Organs</i> , <b>2009</b> , 32, 671-7	1.9	37
145	A monoclonal antibody enhances ligand binding of fibronectin MSCRAMM (adhesin) from <i>Streptococcus dysgalactiae</i> . <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 1371-8	5.4	37
144	Effect of air polishing with glycine powder on titanium abutment surfaces. <i>Clinical Oral Implants Research</i> , <b>2013</b> , 24, 904-9	4.8	36
143	Photodynamic action of Tri-meso (N-methyl-pyridyl), meso (N-tetradecyl-pyridyl) porphine on <i>Staphylococcus epidermidis</i> biofilms grown on Ti6Al4V alloy. <i>International Journal of Artificial Organs</i> , <b>2010</b> , 33, 636-45	1.9	36
142	Easily synthesized novel biodegradable copolyesters with adjustable properties for biomedical applications. <i>Soft Matter</i> , <b>2012</b> , 8, 5466	3.6	35
141	Effects of electromagnetic stimulation on osteogenic differentiation of human mesenchymal stromal cells seeded onto gelatin cryogel. <i>International Journal of Immunopathology and Pharmacology</i> , <b>2011</b> , 24, 1-6	3	35

140	Thrombopoietin/TGF- $\beta$ Loop Regulates Megakaryocyte Extracellular Matrix Component Synthesis. <i>Stem Cells</i> , <b>2016</b> , 34, 1123-33	5.8	35
139	Cellulose nanocrystals as templates for cetyltrimethylammonium bromide mediated synthesis of Ag nanoparticles and their novel use in PLA films. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 1557-1567	10.3	33
138	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> , <b>2010</b> , 16, 995-1008	3.9	33
137	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> , <b>2005</b> , 280, 29812-9	5.4	33
136	Sterilization treatments on polysaccharides: Effects and side effects on pectin. <i>Food Hydrocolloids</i> , <b>2013</b> , 31, 74-84	10.6	32
135	Purification of human plasma fibronectin using immobilized gelatin and Arg affinity chromatography. <i>Nature Protocols</i> , <b>2008</b> , 3, 525-33	18.8	32
134	Prevention and treatment of Staphylococcus biofilms. <i>Current Medicinal Chemistry</i> , <b>2008</b> , 15, 3185-95	4.3	32
133	Concise survey of Staphylococcus aureus virulence factors that promote adhesion and damage to peri-implant tissues. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 771-80	1.9	31
132	The photodynamic effect of tetra-substituted N-methyl-pyridyl-porphine combined with the action of vancomycin or host defense mechanisms disrupts Staphylococcus epidermidis biofilms. <i>International Journal of Artificial Organs</i> , <b>2009</b> , 32, 574-83	1.9	31
131	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> , <b>2016</b> , 137, 3-18	3.9	30
130	Pain assessment in animal models: do we need further studies?. <i>Journal of Pain Research</i> , <b>2014</b> , 7, 227-36	6.9	30
129	Isolation and characterization of a novel collagen-binding protein from Streptococcus pyogenes strain 6414. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 347-53	5.4	30
128	Orthopedic implant infections: Incompetence of Staphylococcus epidermidis, Staphylococcus lugdunensis, and Enterococcus faecalis to invade osteoblasts. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 788-801	5.4	29
127	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> , <b>2008</b> , 87, 750-9	5.4	29
126	Surface modification of a porous polyurethane through a culture of human osteoblasts and an electromagnetic bioreactor. <i>Technology and Health Care</i> , <b>2006</b> , 15, 33-45	1.1	29
125	Staphylococcus lugdunensis, an aggressive coagulase-negative pathogen not to be underestimated. <i>International Journal of Artificial Organs</i> , <b>2012</b> , 35, 742-53	1.9	27
124	Synergic Effect of Nanolignin and Metal Oxide Nanoparticles into Poly(l-lactide) Bionanocomposites: Material Properties, Antioxidant Activity, and Antibacterial Performance.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 5263-5274	4.1	27
123	Photoactivated disinfection (PAD) in endodontics: an in vitro microbiological evaluation. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 889-97	1.9	26

122	Binding of <i>Streptococcus gordonii</i> to extracellular matrix proteins. <i>FEMS Microbiology Letters</i> , <b>2006</b> , 265, 172-7	2.9	26
121	Binding of collagens to an enterotoxigenic strain of <i>Escherichia coli</i> . <i>Infection and Immunity</i> , <b>1990</b> , 58, 449-55	3.7	26
120	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> , <b>2009</b> , 15, 233-42	2.9	25
119	Interactions of staphylococci with osteoblasts and phagocytes in the pathogenesis of implant-associated osteomyelitis. <i>International Journal of Artificial Organs</i> , <b>2012</b> , 35, 713-26	1.9	25
118	Engineering Immunomodulatory Biomaterials for Regenerating the Infarcted Myocardium. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 292	5.8	24
117	Heterogeneous and self-organizing mineralization of bone matrix promoted by hydroxyapatite nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 17274-17283	7.7	23
116	Wool fibril sponges with perspective biomedical applications. <i>Materials Science and Engineering C</i> , <b>2016</b> , 61, 42-50	8.3	23
115	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> , <b>2014</b> , 34, 86-97	8.3	23
114	The effect of pulsed electromagnetic field exposure on osteoinduction of human mesenchymal stem cells cultured on nano-TiO <sub>2</sub> surfaces. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199046	3.7	22
113	Heparin-binding domain of human fibronectin binds HIV-1 gp120/160 and reduces virus infectivity. <i>Journal of Medical Virology</i> , <b>1998</b> , 54, 44-53	19.7	22
112	Stimulation of osteoblast growth by an electromagnetic field in a model of bone-like construct. <i>European Journal of Histochemistry</i> , <b>2006</b> , 50, 199-204	2.1	22
111	Increasing the antibacterial effect of lysozyme by immobilization on multi-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 3100-6	1.3	21
110	Controlled Release of Thymol from Poly(Lactic Acid)-Based Silver Nanocomposite Films with Antibacterial and Antioxidant Activity. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	20
109	Reactive hydroxyapatite fillers for pectin biocomposites. <i>Materials Science and Engineering C</i> , <b>2014</b> , 45, 154-61	8.3	20
108	Pectins from Aloe Vera: Extraction and production of gels for regenerative medicine. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	20
107	Internalization by osteoblasts of two <i>Staphylococcus aureus</i> clinical isolates differing in their adhesin gene pattern. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 789-98	1.9	20
106	Stem Cells Grown in Osteogenic Medium on PLGA, PLGA/HA, and Titanium Scaffolds for Surgical Applications. <i>Bioinorganic Chemistry and Applications</i> , <b>2010</b> , 831031	4.2	20
105	Relationship between pharmacokinetic profile of subcutaneously administered alemtuzumab and clinical response in patients with chronic lymphocytic leukemia. <i>Haematologica</i> , <b>2011</b> , 96, 932-6	6.6	20

104	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> , <b>2015</b> , 103, 1447-58	5.4	19
103	Allosteric Regulation of Fibronectin/ $\alpha 5 \beta 1$ Interaction by Fibronectin-Binding MSCRAMMs. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159118	3.7	19
102	Nanostructured TiO <sub>2</sub> Surfaces Promote Human Bone Marrow Mesenchymal Stem Cells Differentiation to Osteoblasts. <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	19
101	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> , <b>2016</b> , 16, 1533-1544	5.5	19
100	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> , <b>2018</b> , 19,	6.3	19
99	Polyurethane-Based Composites: Effects of Antibacterial Fillers on the Physical-Mechanical Behavior of Thermoplastic Polyurethanes. <i>Polymers</i> , <b>2020</b> , 12,	4.5	18
98	Electromagnetic stimulation to optimize the bone regeneration capacity of gelatin-based cryogels. <i>International Journal of Immunopathology and Pharmacology</i> , <b>2012</b> , 25, 165-74	3	18
97	Solubility of root canal sealers: a comparative study. <i>International Journal of Artificial Organs</i> , <b>2010</b> , 33, 676-81	1.9	18
96	Antimicrobial Properties and Cytocompatibility of PLGA/Ag Nanocomposites. <i>Materials</i> , <b>2016</b> , 9,	3.5	18
95	Identification of the amniotic fluid insulin-like growth factor binding protein-1 phosphorylation sites and propensity to proteolysis of the isoforms. <i>FEBS Journal</i> , <b>2009</b> , 276, 6033-46	5.7	17
94	Quantification of Staphylococcus aureus cell surface adhesins using flow cytometry. <i>Microbial Pathogenesis</i> , <b>2000</b> , 29, 357-61	3.8	17
93	In vitro study of multiwall carbon nanotubes (MWCNTs) with adsorbed mitoxantrone (MTO) as a drug delivery system to treat breast cancer. <i>RSC Advances</i> , <b>2014</b> , 4, 18683-18693	3.7	16
92	High-Frequency Vibration Treatment of Human Bone Marrow Stromal Cells Increases Differentiation toward Bone Tissue. <i>Bone Marrow Research</i> , <b>2013</b> , 2013, 803450		16
91	Bone reconstruction: Au nanocomposite bioglasses with antibacterial properties. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 920-8	1.9	16
90	Binding sites in fibronectin for an enterotoxigenic strain of E. coli B342289c. <i>FEBS Letters</i> , <b>1991</b> , 290, 111-4	3.8	16
89	Molecular Characterization of a Prevalent Ribocluster of Methicillin-Sensitive Staphylococcus aureus from Orthopedic Implant Infections. Correspondence with MLST CC30. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2016</b> , 6, 8	5.9	16
88	Gold Nanoparticles: Can They Be the Next Magic Bullet for Multidrug-Resistant Bacteria?. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	16
87	Treatment of Biofilm Communities: An Update on New Tools from the Nanosized World. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 845	2.6	15



86	Biofilm extracellular-DNA in 55 Staphylococcus epidermidis clinical isolates from implant infections. <i>International Journal of Artificial Organs</i> , <b>2011</b> , 34, 840-6	1.9	15
85	In vitro electromagnetically stimulated SAOS-2 osteoblasts inside porous hydroxyapatite. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 93, 1272-9	5.4	15
84	Antimicrobial activity of sodium hypochlorite-based irrigating solutions. <i>International Journal of Artificial Organs</i> , <b>2010</b> , 33, 654-9	1.9	15
83	Photodynamic action of merocyanine 540 on Staphylococcus epidermidis biofilms. <i>International Journal of Artificial Organs</i> , <b>2008</b> , 31, 848-57	1.9	15
82	From micro- to nanostructured implantable device for local anesthetic delivery. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 2695-709	7.3	15
81	Multiple interactions of FbsA, a surface protein from Streptococcus agalactiae, with fibrinogen: affinity, stoichiometry, and structural characterization. <i>Biochemistry</i> , <b>2006</b> , 45, 12840-52	3.2	14
80	In vitro interactions of biomedical polyurethanes with macrophages and bacterial cells. <i>Journal of Biomaterials Applications</i> , <b>2002</b> , 16, 191-214	2.9	14
79	Effect of Winemaking on the Composition of Red Wine as a Source of Polyphenols for Anti-Infective Biomaterials. <i>Materials</i> , <b>2016</b> , 9,	3.5	14
78	Disassembling the complexity of mucus barriers to develop a fast screening tool for early drug discovery. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 4940-4952	7.3	13
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