Saso Ivanovski

List of Publications by Year in descending order

209 papers	9,978 citations	31976 53 h-index	49909 87 g-index
210 all docs	210 docs citations	210 times ranked	9928 citing authors

#	Article	IF	Citations
1	Mechanisms of Bone Resorption in Periodontitis. Journal of Immunology Research, 2015, 2015, 1-10.	2.2	466
2	The in vitro effect of different PRP concentrations on osteoblasts and fibroblasts. Clinical Oral Implants Research, 2006, 17, 212-219.	4.5	379
3	Degradation mechanisms of polycaprolactone in the context of chemistry, geometry and environment. Progress in Polymer Science, 2019, 96, 1-20.	24.7	366
4	Early osseointegration to hydrophilic and hydrophobic implant surfaces in humans. Clinical Oral Implants Research, 2011, 22, 349-356.	4.5	357
5	Residual periodontal pockets are a risk indicator for periâ€implantitis in patients treated for periodontitis. Clinical Oral Implants Research, 2012, 23, 325-333.	4.5	199
6	A biphasic scaffold design combined with cell sheet technology for simultaneous regeneration of alveolar bone/periodontal ligament complex. Biomaterials, 2012, 33, 5560-5573.	11.4	199
7	The influence of surface microroughness and hydrophilicity of titanium on the up-regulation of TGFÎ²/BMP signalling in osteoblasts.. Biomaterials, 2011, 32, 665-671.	11.4	184
8	Advanced tissue engineering scaffold design for regeneration of the complex hierarchical periodontal structure. Journal of Clinical Periodontology, 2014, 41, 283-294.	4.9	179
9	Multiphasic Scaffolds for Periodontal Tissue Engineering. Journal of Dental Research, 2014, 93, 1212-1221.	5.2	179
10	Systematic review of implant outcomes in treated periodontitis subjects. Journal of Clinical Periodontology, 2008, 35, 438-462.	4.9	178
11	Stem cells in the periodontal ligament. Oral Diseases, 2006, 12, 358-363.	3.0	164
12	Gene expression profile of osseointegration of a hydrophilic compared with a hydrophobic microrough implant surface. Clinical Oral Implants Research, 2011, 22, 365-372.	4.5	138
13	Effect of culture conditions and calcium phosphate coating on ectopic bone formation. Biomaterials, 2013, 34, 5538-5551.	11.4	138
14	Risk factors for medicationâ€related osteonecrosis of the jaws: A systematic review. Oral Diseases, 2018, 24, 527-536.	3.0	133
15	Comparison of periâ€implant and periodontal marginal soft tissues in health and disease. Periodontology 2000, 2018, 76, 116-130.	13.4	125
16	The effect of hydrophilic titanium surface modification on macrophage inflammatory cytokine gene expression. Clinical Oral Implants Research, 2012, 23, 584-590.	4.5	124
17	The influence of cellular source on periodontal regeneration using calcium phosphate coated polycaprolactone scaffold supported cell sheets. Biomaterials, 2014, 35, 113-122.	11.4	123
18	The role of bone debris in early healing adjacent to hydrophilic and hydrophobic implant surfaces in man. Clinical Oral Implants Research, 2011, 22, 357-364.	4.5	117

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19	Titanium surface hydrophilicity modulates the human macrophage inflammatory cytokine response. Journal of Biomedical Materials Research - Part A, 2014, 102, 60-67.	4.0	112
20	Temporal sequence of hard and soft tissue healing around titanium dental implants. Periodontology 2000, 2015, 68, 135-152.	13.4	96
21	Tissue Engineered Constructs for Periodontal Regeneration: Current Status and Future Perspectives. Advanced Healthcare Materials, 2018, 7, e1800457.	7.6	96
22	Tissue engineered periodontal products. Journal of Periodontal Research, 2016, 51, 1-15.	2.7	94
23	Expression of bone associated macromolecules by gingival and periodontal ligament fibroblasts. Journal of Periodontal Research, 2001, 36, 131-141.	2.7	91
24	Activation of the Canonical Wnt Signaling Pathway Induces Cementum Regeneration. Journal of Bone and Mineral Research, 2015, 30, 1160-1174.	2.8	91
25	Orchestrating soft tissue integration at the transmucosal region of titanium implants. Acta Biomaterialia, 2021, 124, 33-49.	8.3	88
26	Additive Biomanufacturing: An Advanced Approach for Periodontal Tissue Regeneration. Annals of Biomedical Engineering, 2017, 45, 12-22.	2.5	87
27	Race to invade: Understanding soft tissue integration at the transmucosal region of titanium dental implants. Dental Materials, 2021, 37, 816-831.	3.5	87
28	Transcriptional profiling of osseointegration in humans. Clinical Oral Implants Research, 2011, 22, 373-381.	4.5	85
29	Periodontal Tissue Engineering with a Multiphasic Construct and Cell Sheets. Journal of Dental Research, 2019, 98, 673-681.	5.2	84
30	A Multifunctional Zinc Oxide/Poly(Lactic Acid) Nanocomposite Layer Coated on Magnesium Alloys for Controlled Degradation and Antibacterial Function. ACS Biomaterials Science and Engineering, 2018, 4, 2169-2180.	5.2	83
31	Salivaâ€"Friend and Foe in the COVID-19 Outbreak. Diagnostics, 2020, 10, 290.	2.6	83
32	Bisphosphonate-related osteonecrosis of jaw (BRONJ): diagnostic criteria and possible pathogenic mechanisms of an unexpected anti-angiogenic side effect. Vascular Cell, 2013, 5, 1.	0.2	82
33	In vitro pre-vascularisation of tissue-engineered constructs A co-culture perspective. Vascular Cell, 2014, 6, 13.	0.2	79
34	Understanding and optimizing the antibacterial functions of anodized nano-engineered titanium implants. Acta Biomaterialia, 2021, 127, 80-101.	8.3	79
35	Dental implants modified with drug releasing titania nanotubes: therapeutic potential and developmental challenges. Expert Opinion on Drug Delivery, 2017, 14, 1009-1024.	5.0	77
36	Systematic Review of Soft Tissue Alterations and Esthetic Outcomes Following Immediate Implant Placement and Restoration of Single Implants in the Anterior Maxilla. Journal of Periodontology, 2015, 86, 1321-1330.	3.4	76

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37	Understanding and augmenting the stability of therapeutic nanotubes on anodized titanium implants. Materials Science and Engineering C, 2018, 88, 182-195.	7.3	73
38	Electrospun nanofibers for the delivery of active drugs through nasal, oral and vaginal mucosa: Current status and future perspectives. Materials Science and Engineering C, 2020, 111, 110756.	7.3	73
39	The effect of plateletâ€rich plasma on osteoblast and periodontal ligament cell migration, proliferation and differentiation. Journal of Periodontal Research, 2009, 44, 258-265.	2.7	72
40	Novel polycaprolactone/hydroxyapatite nanocomposite fibrous scaffolds by direct melt-electrospinning writing. European Polymer Journal, 2018, 105, 257-264.	5.4	72
41	Optimization of 3D bioprinting of periodontal ligament cells. Dental Materials, 2019, 35, 1683-1694.	3.5	71
42	Titania nanopores with dual micro-/nano-topography for selective cellular bioactivity. Materials Science and Engineering C, 2018, 91, 624-630.	7.3	69
43	Effects of Gradient and Offset Architectures on the Mechanical and Biological Properties of 3-D Melt Electrowritten (MEW) Scaffolds. ACS Biomaterials Science and Engineering, 2019, 5, 3448-3461.	5.2	69
44	In vivo gene expression profile of guided bone regeneration associated with a microrough titanium surface. Clinical Oral Implants Research, 2011, 22, 390-398.	4.5	67
45	Antimicrobial and Immunomodulatory Surfaceâ€Functionalized Electrospun Membranes for Bone Regeneration. Advanced Healthcare Materials, 2017, 6, 1601345.	7.6	66
46	Fabrication of biocompatible and bioabsorbable polycaprolactone/ magnesium hydroxide 3D printed scaffolds: Degradation and in vitro osteoblasts interactions. Composites Part B: Engineering, 2020, 197, 108158.	12.0	64
47	Effect of bone to implant contact percentage on bone remodelling surrounding a dental implant. International Journal of Oral and Maxillofacial Surgery, 2010, 39, 690-698.	1.5	62
48	Anodized anisotropic titanium surfaces for enhanced guidance of gingival fibroblasts. Materials Science and Engineering C, 2020, 112, 110860.	7.3	62
49	Growth hormone regulates osteogenic marker mRNA expression in human periodontal fibroblasts and alveolar boneâ€derived cells. Journal of Periodontal Research, 2003, 38, 366-374.	2.7	59
50	Transcriptional profiling of â€œguided bone regenerationâ€•in a critical-size calvarial defect. Clinical Oral Implants Research, 2011, 22, 382-389.	4.5	59
51	Inflammatory cytokine response to titanium chemical composition and nanoscale calcium phosphate surface modification. Acta Biomaterialia, 2011, 7, 2345-2353.	8.3	59
52	Isolation and characterization of fibroblasts derived from regenerating human periodontal defects. Archives of Oral Biology, 2001, 46, 679-688.	1.8	58
53	Electrospun biphasic tubular scaffold with enhanced mechanical properties for vascular tissue engineering. Materials Science and Engineering C, 2018, 82, 10-18.	7.3	58
54	Decellularized Periodontal Ligament Cell Sheets with Recellularization Potential. Journal of Dental Research, 2014, 93, 1313-1319.	5.2	57

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55	Additively manufactured biphasic construct loaded with BMP-2 for vertical bone regeneration: A pilot study in rabbit. Materials Science and Engineering C, 2018, 92, 554-564.	7.3	55
56	An immunohistochemical study of matrix molecules associated with barrier membrane-mediated periodontal wound healing. Journal of Periodontal Research, 2000, 35, 115-126.	2.7	52
57	The microRNA expression signature on modified titanium implant surfaces influences genetic mechanisms leading to osteogenic differentiation. Acta Biomaterialia, 2012, 8, 3516-3523.	8.3	52
58	The influence of anisotropic nano- to micro-topography on in vitro and in vivo osteogenesis. Nanomedicine, 2015, 10, 693-711.	3.3	52
59	Salivary Small Extracellular Vesicles Associated miRNAs in Periodontal Statusâ€"A Pilot Study. International Journal of Molecular Sciences, 2020, 21, 2809.	4.1	52
60	Disinfection of dental stone casts: Antimicrobial effects and physical property alterations. Dental Materials, 1995, 11, 19-23.	3.5	51
61	The effects of implant topography on osseointegration under estrogen deficiency induced osteoporotic conditions: Histomorphometric, transcriptional and ultrastructural analysis. Acta Biomaterialia, 2016, 42, 351-363.	8.3	50
62	Bridging the gap: Optimized fabrication of robust titania nanostructures on complex implant geometries towards clinical translation. Journal of Colloid and Interface Science, 2018, 529, 452-463.	9.4	50
63	Proâ€osteogenic topographical cues promote early activation of osteoprogenitor differentiation via enhanced <scp>TGF</scp>Î², <scp>Wnt</scp>, and Notch signaling. Clinical Oral Implants Research, 2014, 25, 475-486.	4.5	50
64	Hydrophilic titanium surfaceâ€induced macrophage modulation promotes proâ€osteogenic signalling. Clinical Oral Implants Research, 2019, 30, 1085-1096.	4.5	49
65	3â€Dimensional functionalized polycaprolactoneâ€hyaluronic acid hydrogel constructs for bone tissue engineering. Journal of Clinical Periodontology, 2017, 44, 428-437.	4.9	47
66	Proâ€osteogenic properties of hydrophilic and hydrophobic titanium surfaces: Crosstalk between signalling pathways in in vivo models. Journal of Periodontal Research, 2018, 53, 598-609.	2.7	47
67	Regenerative surgical therapy for periâ€implantitis using deproteinized bovine bone mineral with 10% collagen, enamel matrix derivative and Doxycyclineâ€"A prospective 3â€year cohort study. Clinical Oral Implants Research, 2018, 29, 583-591.	4.5	47
68	Tailoring the immuno-responsiveness of anodized nano-engineered titanium implants. Journal of Materials Chemistry B, 2018, 6, 2677-2689.	5.8	46
69	Influence of bone and dental implant parameters on stress distribution in the mandible: a finite element study. International Journal of Oral and Maxillofacial Implants, 2009, 24, 866-76.	1.4	44
70	Current perspectives on the role of ridge (socket) preservation procedures in dental implant treatment in the aesthetic zone. Australian Dental Journal, 2014, 59, 48-56.	1.5	43
71	Role of offset and gradient architectures of 3-D melt electrowritten scaffold on differentiation and mineralization of osteoblasts. Biomaterials Research, 2020, 24, 2.	6.9	43
72	In vivo bone regeneration assessment of offset and gradient melt electrowritten (MEW) PCL scaffolds. Biomaterials Research, 2020, 24, 17.	6.9	43

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73	Optimal dose and duration of amoxicillinâ€plusâ€metronidazole as an adjunct to nonâ€surgical periodontal therapy: A systematic review and metaâ€analysis of randomized, placeboâ€controlled trials. Journal of Clinical Periodontology, 2018, 45, 56-67.	4.9	42
74	Resorbable additively manufactured scaffold imparts dimensional stability to extraskeletally regenerated bone. Biomaterials, 2021, 269, 120671.	11.4	42
75	Expression of Bone Matrix Protein mRNAs by Primary and Cloned Cultures of the Regenerative Phenotype of Human Periodontal Fibroblasts. Journal of Dental Research, 2001, 80, 1665-1671.	5.2	40
76	Immediate implant placement and restoration in the anterior maxilla: Tissue dimensional changes after 2â€5 year follow up. Clinical Implant Dentistry and Related Research, 2017, 19, 694-702.	3.7	40
77	The effect of decellularized tissue engineered constructs on periodontal regeneration. Journal of Clinical Periodontology, 2018, 45, 586-596.	4.9	40
78	Re-establishment of macrophage homeostasis by titanium surface modification in type II diabetes promotes osseous healing. Biomaterials, 2021, 267, 120464.	11.4	40
79	Advancing dental implants: Bioactive and therapeutic modifications of zirconia. Bioactive Materials, 2022, 13, 161-178.	15.6	40
80	Alveolar bone loss in T helper 1/T helper 2 cytokine-deficient mice. Journal of Periodontal Research, 2007, 42, 97-103.	2.7	39
81	A prospective controlled trial comparing xenograft/autogenous bone and collagenâ€stabilized xenograft for maxillary sinus augmentationâ€”Complications, patientâ€reported outcomes and volumetric analysis. Clinical Oral Implants Research, 2018, 29, 248-262.	4.5	39
82	Old is Gold: Electrolyte Aging Influences the Topography, Chemistry, and Bioactivity of Anodized TiO₂ Nanopores. ACS Applied Materials & Interfaces, 2021, 13, 7897-7912.	8.0	39
83	Salivary Outer Membrane Vesicles and DNA Methylation of Small Extracellular Vesicles as Biomarkers for Periodontal Status: A Pilot Study. International Journal of Molecular Sciences, 2021, 22, 2423.	4.1	39
84	The influence of titanium surface characteristics on macrophage phenotype polarization during osseous healing in type I diabetic rats: a pilot study. Clinical Oral Implants Research, 2017, 28, e159-e168.	4.5	38
85	Surface Modification of 3D Printed Polycaprolactone Constructs via a Solvent Treatment: Impact on Physical and Osteogenic Properties. ACS Biomaterials Science and Engineering, 2019, 5, 318-328.	5.2	38
86	Mesenchymal stem cells and biologic factors leading to bone formation. Journal of Clinical Periodontology, 2019, 46, 12-32.	4.9	38
87	The cost-effectiveness of supportive periodontal care: a global perspective. Journal of Clinical Periodontology, 2011, 38, 553-561.	4.9	37
88	The impact of cantilevers on biological and technical success outcomes of implantâ€supported fixed partial dentures. A retrospective cohort study. Clinical Oral Implants Research, 2014, 25, 175-184.	4.5	37
89	Deficiency of iNOS contributes to Porphyromonas gingivalis-induced tissue damage. Oral Microbiology and Immunology, 2006, 21, 360-365.	2.8	36
90	The effect of melt electrospun writing fiber orientation onto cellular organization and mechanical properties for application in Anterior Cruciate Ligament tissue engineering. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 104, 103631.	3.1	35

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91	ON or OFF: Triggered therapies from anodized nano-engineered titanium implants. Journal of Controlled Release, 2021, 333, 521-535.	9.9	35
92	Induced Pluripotent Stem Cells. Journal of Dental Research, 2015, 94, 1508-1515.	5.2	34
93	Consume or Conserve: Microroughness of Titanium Implants toward Fabrication of Dual Microâ€“Nanotopography. ACS Biomaterials Science and Engineering, 2018, 4, 3125-3131.	5.2	34
94	Dual nanofiber scaffolds composed of polyurethane- gelatin/nylon 6- gelatin for bone tissue engineering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 597, 124817.	4.7	34
95	Determining the relative importance of titania nanotubes characteristics on bone implant surface performance: A quality by design study with a fuzzy approach. Materials Science and Engineering C, 2020, 114, 110995.	7.3	33
96	Animal models for bisphosphonateâ€related osteonecrosis of the jaws â€•an appraisal. Oral Diseases, 2013, 19, 747-754.	3.0	32
97	Additively Manufactured Multiphasic Boneâ€“Ligamentâ€“Bone Scaffold for Scapholunate Interosseous Ligament Reconstruction. Advanced Healthcare Materials, 2019, 8, e1900133.	7.6	32
98	The Emerging Regulatory Role of Circular RNAs in Periodontal Tissues and Cells. International Journal of Molecular Sciences, 2021, 22, 4636.	4.1	32
99	The effect of systemic antibiotics on clinical and patientâ€reported outcome measures of oral implant therapy with simultaneous guided bone regeneration. Clinical Oral Implants Research, 2020, 31, 442-451.	4.5	31
100	Detection of Salivary Small Extracellular Vesicles Associated Inflammatory Cytokines Gene Methylation in Gingivitis. International Journal of Molecular Sciences, 2020, 21, 5273.	4.1	30
101	Titanium surface hydrophilicity enhances platelet activation. Dental Materials Journal, 2014, 33, 749-756.	1.8	29
102	Fibre guiding scaffolds for periodontal tissue engineering. Journal of Periodontal Research, 2020, 55, 331-341.	2.7	29
103	Workflow for highly porous resorbable custom 3D printed scaffolds using medical grade polymer for large volume alveolar bone regeneration. Clinical Oral Implants Research, 2020, 31, 431-441.	4.5	29
104	Hierarchical dual-porous hydroxyapatite doped dendritic mesoporous silica nanoparticles based scaffolds promote osteogenesis in vitro and in vivo. Nano Research, 2021, 14, 770-777.	10.4	29
105	Splatters and Aerosols Contamination in Dental Aerosol Generating Procedures. Applied Sciences (Switzerland), 2021, 11, 1914.	2.5	29
106	The emerging role of small extracellular vesicles in saliva and gingival crevicular fluid as diagnostics for periodontitis. Journal of Periodontal Research, 2022, 57, 219-231.	2.7	29
107	Periodontal-derived cells attach to cementum attachment protein via alpha5beta1 integrin. Journal of Periodontal Research, 1999, 34, 154-159.	2.7	28
108	Effect of autologous and allogenic plateletâ€rich plasma on human gingival fibroblast function. Oral Diseases, 2012, 18, 494-500.	3.0	28

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109	Systematic Comparison of the Effect of Four Clinical-Grade Platelet Rich Hemoderivatives on Osteoblast Behaviour. International Journal of Molecular Sciences, 2019, 20, 6243.	4.1	28
110	Double-edged sword: Therapeutic efficacy versus toxicity evaluations of doped titanium implants. Drug Discovery Today, 2021, 26, 2734-2742.	6.4	28
111	Assessment of static and perfusion methods for decellularization of PCL membrane-supported periodontal ligament cell sheet constructs. Archives of Oral Biology, 2018, 88, 67-76.	1.8	27
112	Clinical and aesthetic outcomes of immediately placed singleâ€tooth implants with immediate vs. delayed restoration in the anterior maxilla: A retrospective cohort study. Clinical Oral Implants Research, 2018, 29, 346-352.	4.5	27
113	Effect of Saliva Collection Methods on the Detection of Periodontium-Related Genetic and Epigenetic Biomarkersâ€"A Pilot Study. International Journal of Molecular Sciences, 2019, 20, 4729.	4.1	27
114	Periodontal and Dental Pulp Cell-Derived Small Extracellular Vesicles: A Review of the Current Status. Nanomaterials, 2021, 11, 1858.	4.1	27
115	Implants for the aged patient: biological, clinical and sociological considerations. Periodontology 2000, 2016, 72, 120-134.	13.4	25
116	Comparison of early osseointegration of SLA^{Â®} and SLActive^{Â®} implants in maxillary sinus augmentation: a pilot study. Clinical Oral Implants Research, 2017, 28, 1325-1333.	4.5	25
117	The Ultrastructural Relationship Between Osteocytes and Dental Implants Following Osseointegration. Clinical Implant Dentistry and Related Research, 2016, 18, 270-280.	3.7	24
118	A histomorphometric assessment of collagenâ€stabilized anorganic bovine bone mineral in maxillary sinus augmentation â€“ a prospective clinical trial. Clinical Oral Implants Research, 2016, 27, 850-858.	4.5	24
119	Engineering of electrically-conductive poly(Îµ-caprolactone)/ multi-walled carbon nanotubes composite nanofibers for tissue engineering applications. Ceramics International, 2019, 45, 15736-15740.	4.8	24
120	Multiscale porosity in mesoporous bioglass 3D-printed scaffolds for bone regeneration. Materials Science and Engineering C, 2021, 120, 111706.	7.3	24
121	Scaffold geometry modulation of mechanotransduction and its influence on epigenetics. Acta Biomaterialia, 2023, 163, 259-274.	8.3	24
122	Serum bone formation marker correlation with improved osseointegration in osteoporotic rats treated with simvastatin. Clinical Oral Implants Research, 2013, 24, 422-427.	4.5	23
123	Estrogen Deficiency-Associated Bone Loss in the Maxilla: A Methodology to Quantify the Changes in the Maxillary Intra-radicular Alveolar Bone in an Ovariectomized Rat Osteoporosis Model. Tissue Engineering - Part C: Methods, 2015, 21, 458-466.	2.1	23
124	The effect of bisphosphonates on the endothelial differentiation of mesenchymal stem cells. Scientific Reports, 2016, 6, 20580.	3.3	23
125	Correlation between preâ€operative buccal bone thickness and soft tissue changes around immediately placed and restored implants in the maxillary anterior region: A 2â€year prospective study. Clinical Oral Implants Research, 2017, 28, 1188-1194.	4.5	23
126	Subepithelial connective tissue graft with or without enamel matrix derivative for the treatment of multiple Class IIIâ€IV recessions in lower anterior teeth: A 3â€year randomized clinical trial. Journal of Periodontology, 2020, 91, 473-483.	3.4	23

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127	Surface Modification of Pure Zinc by Acid Etching: Accelerating the Corrosion Rate and Enhancing Biocompatibility and Antibacterial Characteristics. ACS Applied Materials & Interfaces, 2022, 14, 22554-22569.	8.0	23
128	A retrospective analysis of 1000 consecutively placed implants in private practice. Australian Dental Journal, 2009, 54, 123-129.	1.5	22
129	Rapid fabrication of highly porous and biocompatible composite textile tubular scaffold for vascular tissue engineering. European Polymer Journal, 2017, 96, 27-43.	5.4	22
130	University teaching of implant dentistry: guidelines for education of dental undergraduate students and general dental practitioners. An Australian consensus document#. Australian Dental Journal, 2010, 55, 329-332.	1.5	21
131	Accelerated wound healing phenotype in Interleukin 12/23 deficient mice. Journal of Inflammation, 2011, 8, 39.	3.4	21
132	The Effect of Platelet Proteins Released in Response to Titanium Implant Surfaces on Macrophage Proâ€inflammatory Cytokine Gene Expression. Clinical Implant Dentistry and Related Research, 2015, 17, 1036-1047.	3.7	21
133	Research to Clinics: Clinical Translation Considerations for Anodized Nano-Engineered Titanium Implants. ACS Biomaterials Science and Engineering, 2022, 8, 4077-4091.	5.2	21
134	Bisphosphonate-related osteonecrosis of jaw (BRONJ): an anti-angiogenic side-effect?. Diagnostic Pathology, 2012, 7, 78.	2.0	20
135	Combining electrospinning and cell sheet technology for the development of a multiscale tissue engineered ligament construct (TELC). Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 399-409.	3.4	20
136	Endogenous nitric oxide-generating surfaces via polydopamine-copper coatings for preventing biofilm dispersal and promoting microbial killing. Materials Science and Engineering C, 2021, 128, 112297.	7.3	20
137	Influence of sterilization on the performance of anodized nanoporous titanium implants. Materials Science and Engineering C, 2021, 130, 112429.	7.3	20
138	A histomorphometric assessment of collagenâ€stabilized anorganic bovine bone mineral in maxillary sinus augmentation â€“ a randomized controlled trial in sheep. Clinical Oral Implants Research, 2016, 27, 734-743.	4.5	19
139	Untwining the topography-chemistry interdependence to optimize the bioactivity of nano-engineered titanium implants. Applied Surface Science, 2021, 570, 151083.	6.1	19
140	Bed of nails: bioinspired nano-texturing towards antibacterial and bioactivity functions. Materials Today Advances, 2021, 12, 100176.	5.2	19
141	Implant dentistry in Australian undergraduate dental curricula: knowledge and competencies for the graduating dentist#. Australian Dental Journal, 2010, 55, 333-338.	1.5	18
142	In situ hydrothermal transformation of titanium surface into lithium-doped continuous nanowire network towards augmented bioactivity. Applied Surface Science, 2020, 505, 144604.	6.1	18
143	Micro + Nano: Conserving the Gold Standard Microroughness to Nanoengineer Zirconium Dental Implants. ACS Biomaterials Science and Engineering, 2021, 7, 3069-3074.	5.2	18
144	University postgraduate training in implant dentistry for the general dental practitioner[#]. Australian Dental Journal, 2010, 55, 339-345.	1.5	17

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145	Magnesium-particle/polyurethane composite layer coating on titanium surfaces for orthopedic applications. European Polymer Journal, 2019, 112, 555-568.	5.4	16
146	A comprehensive comparison of cell seeding methods using highly porous melt electrowriting scaffolds. Materials Science and Engineering C, 2020, 117, 111282.	7.3	16
147	P4 Medicine as a model for precision periodontal care. Clinical Oral Investigations, 2022, 26, 5517-5533.	3.0	16
148	Immediate Placement and Restoration of Dental Implants in the Esthetic Region: Clinical Case Series. Journal of Esthetic and Restorative Dentistry, 2014, 26, 332-344.	3.8	15
149	Immediate and early implant placement in singleâ€tooth gaps in the anterior maxilla: A prospective study on ridge dimensional, clinical, and aesthetic changes. Clinical Oral Implants Research, 2018, 29, 1143-1154.	4.5	15
150	Dual mTOR/PI3K inhibitor NVPâ€'BEZ235 arrests colorectal cancer cell growth and displays differential inhibition of 4Eâ€'BP1. Oncology Reports, 2018, 40, 1083-1092.	2.6	15
151	A review of protein adsorption and bioactivity characteristics of poly Îµ-caprolactone scaffolds in regenerative medicine. European Polymer Journal, 2022, 162, 110892.	5.4	15
152	Fresh or aged: Short time anodization of titanium to understand the influence of electrolyte aging on titania nanopores. Journal of Materials Science and Technology, 2022, 119, 245-256.	10.7	15
153	Towards Clinical Translation: Optimized Fabrication of Controlled Nanostructures on Implant-Relevant Curved Zirconium Surfaces. Nanomaterials, 2021, 11, 868.	4.1	14
154	Melatonin as a proâ€osteogenic agent in oral implantology: a systematic review of histomorphometric outcomes in animals and quality evaluation using <scp>ARRIVE</scp> guidelines. Journal of Periodontal Research, 2017, 52, 151-161.	2.7	13
155	Release of lithium from 3D printed polycaprolactone scaffolds regulates macrophage and osteoclast response. Biomedical Materials (Bristol), 2018, 13, 065003.	3.3	13
156	A 3â€year prospective clinical and patientâ€centered trial on subepithelial connective tissue graft with or without enamel matrix derivative in Class Iâ€ Miller recessions. Journal of Periodontal Research, 2020, 55, 296-306.	2.7	13
157	A comprehensive study of acid and base treatment of 3D printed poly(Îµ-caprolactone) scaffolds to tailor surface characteristics. Applied Surface Science, 2021, 555, 149602.	6.1	13
158	Gene Expression Profiling of Cells Involved in Periodontal Regeneration. Tissue Engineering, 2007, 13, 393-404.	4.6	12
159	Both non-surgical dental treatment and extractions increase the risk of medication-related osteonecrosis of the jaw: case-control study. Clinical Oral Investigations, 2019, 23, 3967-3975.	3.0	12
160	Local delivery of hydrogel encapsulated vascular endothelial growth factor for the prevention of medication-related osteonecrosis of the jaw. Scientific Reports, 2021, 11, 23371.	3.3	12
161	Fabrication of micropores on titanium implants using femtosecond laser technology: Perpendicular attachment of connective tissues as a pilot study. Optics and Laser Technology, 2022, 148, 107624.	4.6	12
162	Recent Advances in Vertical Alveolar Bone Augmentation Using Additive Manufacturing Technologies. Frontiers in Bioengineering and Biotechnology, 2021, 9, 798393.	4.1	12

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163	The role of cytokines in a Porphyromonas gingivalis-induced murine abscess model. Oral Microbiology and Immunology, 2007, 22, 304-312.	2.8	11
164	Finite element simulation of bone remodelling in the human mandible surrounding dental implant. Acta Mechanica, 2011, 217, 335-345.	2.1	11
165	Evaluation of the first maxillary molar postâ€extraction socket as a model for dental implant osseointegration research. Clinical Oral Implants Research, 2016, 27, 1469-1478.	4.5	11
166	Fabrication and Characterization of Decellularized Periodontal Ligament Cell Sheet Constructs. Methods in Molecular Biology, 2017, 1537, 403-412.	0.9	11
167	The influence of highâ€dose systemic zoledronate administration on osseointegration of implants with different surface topography. Journal of Periodontal Research, 2019, 54, 633-643.	2.7	11
168	Fabrication of a thick three-dimensional scaffold with an open cellular-like structure using airbrushing and thermal cross-linking of molded short nanofibers. Biofabrication, 2019, 11, 015006.	7.1	11
169	Alkali-Treated Titanium Coated with a Polyurethane, Magnesium and Hydroxyapatite Composite for Bone Tissue Engineering. Nanomaterials, 2021, 11, 1129.	4.1	11
170	<scp>LiCl</scp>â€induced immunomodulatory periodontal regeneration via the activation of the Wnt/Î²â€catenin signaling pathway. Journal of Periodontal Research, 2022, 57, 835-848.	2.7	11
171	Nanotechnology for the management of COVID-19 during the pandemic and in the post-pandemic era. National Science Review, 2022, 9, .	9.5	11
172	Gene expression profiles in guided bone regeneration using combinations of different biomaterials: a pilot animal study. Clinical Oral Implants Research, 2017, 28, 713-720.	4.5	10
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