

Abdullah Aldosari AlFarraj

List of Publications by Citations

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136
papers

3,300
citations

30
h-index

51
g-index

145
ext. papers

3,955
ext. citations

6.1
avg, IF

5.59
L-index

#	Paper	IF	Citations
136	Effects of implant surface coatings and composition on bone integration: a systematic review. <i>Clinical Oral Implants Research</i> , 2009 , 20 Suppl 4, 185-206	4.8	377
135	In vivo biocompatibility of ultra-short single-walled carbon nanotube/biodegradable polymer nanocomposites for bone tissue engineering. <i>Bone</i> , 2008 , 43, 362-370	4.7	218
134	Bone response to fast-degrading, injectable calcium phosphate cements containing PLGA microparticles. <i>Biomaterials</i> , 2011 , 32, 8839-47	15.6	108
133	Self-healing hybrid nanocomposites consisting of bisphosphonated hyaluronan and calcium phosphate nanoparticles. <i>Biomaterials</i> , 2014 , 35, 6918-29	15.6	107
132	Development of bone substitute materials: from Biocompatible to Instructive. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8747		96
131	Osteogenicity of titanium implants coated with calcium phosphate or collagen type-I in osteoporotic rats. <i>Biomaterials</i> , 2013 , 34, 3747-57	15.6	89
130	In vitro and in vivo reactivity of porous, electrosprayed calcium phosphate coatings. <i>Biomaterials</i> , 2006 , 27, 3368-78	15.6	84
129	A histological evaluation of TiO ₂ -gritblasted and Ca-P magnetron sputter coated implants placed into the trabecular bone of the goat: Part 2. <i>Clinical Oral Implants Research</i> , 2000 , 11, 314-24	4.8	78
128	Electrophoretic Deposition of Chitosan Coatings Modified with Gelatin Nanospheres To Tune the Release of Antibiotics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13785-92	9.5	66
127	Design Considerations for Hydrogel Wound Dressings: Strategic and Molecular Advances. <i>Tissue Engineering - Part B: Reviews</i> , 2020 , 26, 230-248	7.9	61
126	Bone regeneration of porous beta-tricalcium phosphate (Conduit TCP) and of biphasic calcium phosphate ceramic (Biosel) in trabecular defects in sheep. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 82, 711-22	5.4	59
125	Thermosensitive biomimetic polyisocyanopeptide hydrogels may facilitate wound repair. <i>Biomaterials</i> , 2018 , 181, 392-401	15.6	52
124	Antibacterial effect and wound healing ability of silver nanoparticles incorporation into chitosan-based nanofibrous membranes. <i>Materials Science and Engineering C</i> , 2019 , 98, 1053-1063	8.3	47
123	Hydroxyapatite nanocrystals functionalized with alendronate as bioactive components for bone implant coatings to decrease osteoclastic activity. <i>Applied Surface Science</i> , 2015 , 328, 516-524	6.7	46
122	Differential loading methods for BMP-2 within injectable calcium phosphate cement. <i>Journal of Controlled Release</i> , 2012 , 164, 283-90	11.7	46
121	Functionalization of oligo(poly(ethylene glycol)fumarate) hydrogels with finely dispersed calcium phosphate nanocrystals for bone-substituting purposes. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2007 , 18, 1547-1564	3.5	46
120	Composite Colloidal Gels Made of Bisphosphonate-Functionalized Gelatin and Bioactive Glass Particles for Regeneration of Osteoporotic Bone Defects. <i>Advanced Functional Materials</i> , 2017 , 27, 1703438	15.6	45

119	Electrospraying: Possibilities and Challenges of Engineering Carriers for Biomedical Applications-A Mini Review. <i>Frontiers in Chemistry</i> , 2019 , 7, 258	5	44
118	Encapsulation and release of doxycycline from electro-spray-generated PLGA microspheres: Effect of polymer end groups. <i>International Journal of Pharmaceutics</i> , 2019 , 564, 1-9	6.5	44
117	Biological evaluation of porous aliphatic polyurethane/hydroxyapatite composite scaffolds for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 2251-9	5.4	44
116	Local delivery of small and large biomolecules in craniomaxillofacial bone. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1152-64	18.5	44
115	Antibacterial effects of electrospun chitosan/poly(ethylene oxide) nanofibrous membranes loaded with chlorhexidine and silver. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 1357-64	6	43
114	Calcium phosphate/poly(D,L-lactic-co-glycolic acid) composite bone substitute materials: evaluation of temporal degradation and bone ingrowth in a rat critical-sized cranial defect. <i>Clinical Oral Implants Research</i> , 2012 , 23, 151-159	4.8	38
113	Electrospun Nanofibrous Silk Fibroin Membranes Containing Gelatin Nanospheres for Controlled Delivery of Biomolecules. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700014	10.1	36
112	Histological evaluation of oral implants inserted with different surgical techniques into the trabecular bone of goats. <i>Clinical Oral Implants Research</i> , 2007 , 18, 489-95	4.8	36
111	Self-Propelled PLGA Micromotor with Chemotactic Response to Inflammation. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901710	10.1	34
110	Biological evaluation of silver nanoparticles incorporated into chitosan-based membranes. <i>Nanomedicine</i> , 2017 , 12, 2771-2785	5.6	32
109	A tunable and injectable local drug delivery system for personalized periodontal application. <i>Journal of Controlled Release</i> , 2020 , 324, 134-145	11.7	32
108	Bone regeneration associated with nontherapeutic and therapeutic surface coatings for dental implants in osteoporosis. <i>Tissue Engineering - Part B: Reviews</i> , 2013 , 19, 233-53	7.9	31
107	Titanium surfaces characteristics modulate macrophage polarization. <i>Materials Science and Engineering C</i> , 2019 , 95, 143-151	8.3	31
106	Effects of in vitro chondrogenic priming time of bone-marrow-derived mesenchymal stromal cells on in vivo endochondral bone formation. <i>Acta Biomaterialia</i> , 2015 , 13, 254-65	10.8	30
105	Preparation and characterization of nano-hydroxyapatite/chitosan/konjac glucomannan composite. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 83, 931-939	5.4	29
104	Magnetic Resonance Imaging of Hard Tissues and Hard Tissue Engineered Bio-substitutes. <i>Molecular Imaging and Biology</i> , 2019 , 21, 1003-1019	3.8	28
103	Biological response to titanium implants coated with nanocrystals calcium phosphate or type 1 collagen in a dog model. <i>Clinical Oral Implants Research</i> , 2013 , 24, 475-83	4.8	28
102	Osteoporotic rat models for evaluation of osseointegration of bone implants. <i>Tissue Engineering - Part C: Methods</i> , 2014 , 20, 493-505	2.9	28

101	Biomaterials-aided mandibular reconstruction using in vivo bioreactors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6954-6963	11.5	26
100	Reconstruction of large mandibular defects using autologous tissues generated from in vivo bioreactors. <i>Acta Biomaterialia</i> , 2016 , 45, 72-84	10.8	25
99	A composite critical-size rabbit mandibular defect for evaluation of craniofacial tissue regeneration. <i>Nature Protocols</i> , 2016 , 11, 1989-2009	18.8	25
98	Preclinical evaluation of injectable bone substitute materials. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 191-209	4.4	24
97	Substrate geometry directs the in vitro mineralization of calcium phosphate ceramics. <i>Acta Biomaterialia</i> , 2014 , 10, 661-9	10.8	24
96	Biological limits of the undersized surgical technique: a study in goats. <i>Clinical Oral Implants Research</i> , 2011 , 22, 129-34	4.8	24
95	Bone response adjacent to calcium phosphate electrostatic spray deposition coated implants: an experimental study in goats. <i>Clinical Oral Implants Research</i> , 2006 , 17, 548-53	4.8	24
94	Effects of calcium phosphate composition in sputter coatings on in vitro and in vivo performance. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 300-10	5.4	23
93	The development and future of dental implants. <i>Dental Materials Journal</i> , 2020 , 39, 167-172	2.5	22
92	Increased acellular and cellular surface mineralization induced by nanogrooves in combination with a calcium-phosphate coating. <i>Acta Biomaterialia</i> , 2016 , 31, 368-377	10.8	22
91	Diabetes Mellitus and Bone Regeneration: A Systematic Review and Meta-Analysis of Animal Studies. <i>Tissue Engineering - Part B: Reviews</i> , 2017 , 23, 471-479	7.9	21
90	Development of porous polyurethane/strontium-substituted hydroxyapatite composites for bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 1930-9	5.4	21
89	Electrodeposited Assembly of Additive-Free Silk Fibroin Coating from Pre-Assembled Nanospheres for Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12018-12029	9.5	21
88	Resolution, sensitivity, and in vivo application of high-resolution computed tomography for titanium-coated polymethyl methacrylate (PMMA) dental implants. <i>Clinical Oral Implants Research</i> , 2014 , 25, 359-365	4.8	21
87	Influence of formulation parameters on encapsulation of doxycycline in PLGA microspheres prepared by double emulsion technique for the treatment of periodontitis. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 52, 263-271	4.5	20
86	Bone morphology changes around two types of bone-level implants installed in fresh extraction sockets—a histomorphometric study in Beagle dogs. <i>Clinical Oral Implants Research</i> , 2015 , 26, 1106-12	4.8	20
85	A theranostic agent to enhance osteogenic and magnetic resonance imaging properties of calcium phosphate cements. <i>Biomaterials</i> , 2014 , 35, 2227-33	15.6	20
84	The influence of implant geometry and surface composition on bone response. <i>Clinical Oral Implants Research</i> , 2014 , 25, 500-5	4.8	20

83	Bone marrow-derived mesenchymal cells feature selective migration behavior on submicro- and nano-dimensional multi-patterned substrates. <i>Acta Biomaterialia</i> , 2015 , 16, 117-25	10.8	19
82	Physicochemical properties and mineralization assessment of porous polymethylmethacrylate cement loaded with hydroxyapatite in simulated body fluid. <i>Materials Science and Engineering C</i> , 2016 , 61, 190-8	8.3	18
81	Influence of the Molecular Weight and Charge of Antibiotics on Their Release Kinetics From Gelatin Nanospheres. <i>Macromolecular Bioscience</i> , 2015 , 15, 901-11	5.5	18
80	Influence of highly porous electrospun PLGA/PCL/nHA fibrous scaffolds on the differentiation of tooth bud cells in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2597-2607	5.4	17
79	The potential of tissue engineering for developing alternatives to animal experiments: a systematic review. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 771-8	4.4	17
78	The performance of CPC/PLGA and Bio-Oss for bone regeneration in healthy and osteoporotic rats. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 131-142	3.5	17
77	Study of the osseointegration of dental implants placed with an adapted surgical technique. <i>Clinical Oral Implants Research</i> , 2011 , 22, 753-759	4.8	17
76	Antimicrobial and anti-inflammatory thermo-reversible hydrogel for periodontal delivery. <i>Acta Biomaterialia</i> , 2020 , 116, 259-267	10.8	17
75	Enzymatic pH control for biomimetic deposition of calcium phosphate coatings. <i>Acta Biomaterialia</i> , 2014 , 10, 931-9	10.8	16
74	Monitoring In-labelled polyisocyanopeptide (PIC) hydrogel wound dressings in full-thickness wounds. <i>Biomaterials Science</i> , 2019 , 7, 3041-3050	7.4	15
73	The kinetics and mechanism of bone morphogenetic protein 2 release from calcium phosphate-based implant-coatings. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2363-2374	5.4	15
72	Bisphosphonate Functionalized Gadolinium Oxide Nanoparticles Allow Long-Term MRI/CT Multimodal Imaging of Calcium Phosphate Bone Cement. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800202	10.1	15
71	Polymer-Based Local Antibiotic Delivery for Prevention of Polymicrobial Infection in Contaminated Mandibular Implants. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 558-566	5.5	15
70	Bone regeneration and gene expression in bone defects under healthy and osteoporotic bone conditions using two commercially available bone graft substitutes. <i>Biomedical Materials (Bristol)</i> , 2015 , 10, 035003	3.5	14
69	Osteogenic capacity of human BM-MSCs, AT-MSCs and their co-cultures using HUVECs in FBS and PL supplemented media. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 779-88	4.4	14
68	A comparative study of the bone contact to zirconium and titanium implants after 8 weeks of implantation in rabbit femoral condyles. <i>Odontology / the Society of the Nippon Dental University</i> , 2018 , 106, 37-44	3.6	14
67	Influence of polymeric additives on the cohesion and mechanical properties of calcium phosphate cements. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 58	4.5	14
66	Behavior of POP-calcium carbonate hydrogel as bone substitute with controlled release capability: a study in rat. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3273-83	5.4	14

65	Stabilizing dental implants with a fiber-reinforced calcium phosphate cement: An in vitro and in vivo study. <i>Acta Biomaterialia</i> , 2020 , 110, 280-288	10.8	13
64	Physicochemical properties and in vitro mineralization of porous polymethylmethacrylate cement loaded with calcium phosphate particles. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015 , 103, 548-55	3.5	13
63	The Role of a Platelet Lysate-Based Compartmentalized System as a Carrier of Cells and Platelet-Origin Cytokines for Periodontal Tissue Regeneration. <i>Tissue Engineering - Part A</i> , 2016 , 22, 1164-1175	2.9	13
62	Multimodal porogen platforms for calcium phosphate cement degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1713-1722	5.4	12
61	Human periodontal ligament derived progenitor cells: effect of STRO-1 cell sorting and Wnt3a treatment on cell behavior. <i>BioMed Research International</i> , 2014 , 2014, 145423	3	12
60	Lipoxin suppresses inflammation via the TLR4/MyD88/NF- κ B pathway in periodontal ligament cells. <i>Oral Diseases</i> , 2020 , 26, 429-438	3.5	12
59	Coculture with monocytes/macrophages modulates osteogenic differentiation of adipose-derived mesenchymal stromal cells on poly(lactic-co-glycolic) acid/polycaprolactone scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 785-798	4.4	11
58	Size matters: effects of PLGA-microsphere size in injectable CPC/PLGA on bone formation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, 669-78	4.4	11
57	SPECT vs. PET monitoring of bone defect healing and biomaterial performance in vivo. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, 843-854	4.4	11
56	Monitoring the biological effect of BMP-2 release on bone healing by PET/CT. <i>Journal of Controlled Release</i> , 2014 , 183, 138-44	11.7	11
55	Perfluorocarbon/Gold Loading for Noninvasive in Vivo Assessment of Bone Fillers Using F Magnetic Resonance Imaging and Computed Tomography. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22149-22159	9.5	11
54	Nanogrooved surface-patterns induce cellular organization and axonal outgrowth in neuron-like PC12-cells. <i>Hearing Research</i> , 2015 , 320, 11-7	3.9	11
53	Calcium carbonate hydrogel construct with cinnamaldehyde incorporated to control inflammation during surgical procedure. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 768-774	5.4	11
52	Preparation of a calcium carbonate-based bone substitute with cinnamaldehyde crosslinking agent with potential anti-inflammatory properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1055-1062	5.4	10
51	Evaluation of a platelet lysate bilayered system for periodontal regeneration in a rat intrabony three-wall periodontal defect. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1277-e1288	4.4	10
50	Bone Response to Porous Poly(methyl methacrylate) Cement Loaded with Hydroxyapatite Particles in a Rabbit Mandibular Model. <i>Tissue Engineering - Part C: Methods</i> , 2017 , 23, 262-273	2.9	9
49	Osteogenesis around CaP-coated titanium implants visualized using 3D histology and micro-computed tomography. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 3463-73	5.4	9
48	Three-Dimensional Printing of Drug-Loaded Scaffolds for Antibacterial and Analgesic Applications. <i>Tissue Engineering - Part C: Methods</i> , 2019 , 25, 222-231	2.9	9

47	Effects of Stirring and Fluid Perfusion on the In Vitro Degradation of Calcium Phosphate Cement/PLGA Composites. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 1171-7	2.9	8
46	Effect of mechanical loading and substrate elasticity on the osteogenic and adipogenic differentiation of mesenchymal stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 2279-2290	4.4	8
45	Topical Host-Modulating Therapy for Periodontal Regeneration: A Systematic Review and Meta-Analysis. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 526-543	7.9	8
44	Nanometer-grooved topography stimulates trabecular bone regeneration around a concave implant in a rat femoral medulla model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 2283-2290	6	7
43	Acellular mineral deposition within injectable, dual-gelling hydrogels for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 110-117	5.4	7
42	Top-Down Approach for the Preparation of Highly Porous PLLA Microcylinders. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 2099-2107	5.5	7
41	Modifications of Poly(Methyl Methacrylate) Cement for Application in Orthopedic Surgery. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1078, 119-134	3.6	7
40	Antiosteoporotic Drugs to Promote Bone Regeneration Related to Titanium Implants: A Systematic Review and Meta-Analysis. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 89-99	7.9	6
39	Mechanochemical mechanism of integrin clustering modulated by nanoscale ligand spacing and rigidity of extracellular substrates. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 72, 29-37	4.1	5
38	Application of BMP-Bone Cement and FGF-Gel on Periodontal Tissue Regeneration in Nonhuman Primates. <i>Tissue Engineering - Part C: Methods</i> , 2019 , 25, 748-756	2.9	5
37	Development of an in vitro confinement test to predict the clinical handling of polymer-based injectable bone substitutes. <i>Polymer Testing</i> , 2013 , 32, 1379-1384	4.5	5
36	Application of specialized pro-resolving mediators in periodontitis and peri-implantitis: a review. <i>European Journal of Oral Sciences</i> , 2021 , 129, e12759	2.3	5
35	The molecular conformation of silk fibroin regulates osteogenic cell behavior by modulating the stability of the adsorbed protein-material interface. <i>Bone Research</i> , 2021 , 9, 13	13.3	5
34	Chitosan-based sleeves loaded with silver and chlorhexidine in a percutaneous rabbit tibia model with a repeated bacterial challenge. <i>Acta Biomaterialia</i> , 2018 , 82, 102-110	10.8	5
33	Electrophoretic deposition of silk fibroin coatings with pre-defined architecture to facilitate precise control over drug delivery. <i>Bioactive Materials</i> , 2021 , 6, 4243-4254	16.7	5
32	Animal models for percutaneous-device-related infections: a review. <i>International Journal of Antimicrobial Agents</i> , 2017 , 49, 659-667	14.3	4
31	Three-Dimensional Extrusion Printing of Porous Scaffolds Using Storable Ceramic Inks. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 292-305	2.9	4
30	A Radially Organized Multipatterned Device as a Diagnostic Tool for the Screening of Topographies in Tissue Engineering Biomaterials. <i>Tissue Engineering - Part C: Methods</i> , 2016 , 22, 914-22	2.9	4

29	Initial cellular response to laser surface engineered biomaterials. <i>MRS Bulletin</i> , 2011 , 36, 1034-1042	3.2	4
28	Pre-Clinical Evaluation of Biological Bone Substitute Materials for Application in Highly Loaded Skeletal Sites. <i>Biomolecules</i> , 2020 , 10,	5.9	3
27	A Combination of Biphasic Calcium Phosphate (Maxresorb [®]) and Hyaluronic Acid Gel (Hyadent [®]) for Repairing Osseous Defects in a Rat Model. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1651	2.6	3
26	Tough and injectable fiber reinforced calcium phosphate cement as an alternative to polymethylmethacrylate cement for vertebral augmentation: a biomechanical study. <i>Biomaterials Science</i> , 2020 , 8, 4239-4250	7.4	3
25	Bone Regeneration Using Antiosteoporotic Drugs in Adjunction with Bone Grafting: A Meta-Analysis. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 500-509	7.9	3
24	Evaluation of polydimethylsiloxane-based substrates for in vitro culture of human periodontal ligament cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2796-2805	5.4	3
23	Evaluation of Peri-Implant Bone Grafting Around Surface-Porous Dental Implants: An In Vivo Study in a Goat Model. <i>Materials</i> , 2019 , 12,	3.5	3
22	Osteoporosis [Fracture healing and osseointegration. <i>Drug Discovery Today: Disease Models</i> , 2014 , 13, 3-9	1.3	3
21	Engineering of Dental Tissues: Scaffolds and Preclinical Models 2013 , 409-429		3
20	Polyisocyanopeptide Hydrogels Are Effectively Sterilized Using Supercritical Carbon Dioxide. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 132-141	2.9	3
19	A Rabbit Femoral Condyle Defect Model for Assessment of Osteochondral Tissue Regeneration. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 554-564	2.9	3
18	Bilayered, peptide-biofunctionalized hydrogels for in vivo osteochondral tissue repair. <i>Acta Biomaterialia</i> , 2021 , 128, 120-129	10.8	3
17	An Ovine Model of Bioreactor-Based Bone Generation. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 384-396	2.9	2
16	Engineering of dental tissues; reality or distant prospect. <i>Saudi Dental Journal</i> , 2012 , 24, 61-2	2.5	2
15	Evaluation of Collagen Membranes Coated with Testosterone and Alendronate to Improve Guided Bone Regeneration in Mandibular Bone Defects in Minipigs. <i>Journal of Oral & Maxillofacial Research</i> , 2020 , 11, e4	2.1	2
14	The effect of lipoxin A4 on E. coli LPS-induced osteoclastogenesis. <i>Clinical Oral Investigations</i> , 2021 , 25, 957-969	4.2	2
13	Porous titanium fiber mesh with tailored elasticity and its effect on stromal cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 2180-2191	3.5	1
12	Innovative implant design for continuous implant stability: A mechanical and histological experimental study in the iliac crest of goats. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 122, 104651	4.1	1

- 11 Micro- and Nanospheres for Tissue Engineering **2013**, 202-219
- 10 Endochondral Bone Tissue Engineering **2012**, 165-182
- 9 New Strategies in Biomaterials Design for Tissue Regeneration. *Tissue Engineering - Part C: Methods*, **2021**, 27, 513-514 2.9
- 8 New Strategies in Biomaterials Design for Tissue Regeneration. *Tissue Engineering - Part C: Methods*, **2021**, 27, 571-572 2.9
- 7 A Special Dedication to Editor-in-Chief, Dr. Tony Mikos. *Tissue Engineering - Part A*, **2020**, 26, 1223 3.9
- 6 Enzymatically Enhanced Guided Tissue Regeneration. *Bioceramics Development and Applications*, **2011**, 1, 1-3
- 5 Biological Effect of Single or Combined Pharmacological Therapy Using Alendronate and Simvastatin on Implant Osseointegration: An In Vivo Study in Healthy and Osteoporotic Rat Models. *Applied Sciences (Switzerland)*, **2020**, 10, 4298 2.6
- 4 Impact of Single or Combined Drug Therapy on Bone Regeneration in Healthy and Osteoporotic Rats. *Tissue Engineering - Part A*, **2021**, 27, 572-581 3.9
- 3 Effect of Osteoporosis on Well-Integrated Bone Implants. *Applied Sciences (Switzerland)*, **2021**, 11, 723 2.6
- 2 Effect of Systemic Zoledronic Acid Dosing Regimens on Bone Regeneration in Osteoporotic Rats. *Applied Sciences (Switzerland)*, **2021**, 11, 1906 2.6
- 1 Loading of Fluvastatin onto Gelatin-Coated Titanium Implants. *Key Engineering Materials*, **2018**, 782, 233-237 0.4