

# Tara L Aghaloo

## List of Publications by Citations

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81  
papers

4,206  
citations

29  
h-index

64  
g-index

89  
ext. papers

5,219  
ext. citations

5.7  
avg, IF

5.56  
L-index

#	Paper	IF	Citations
81	American Association of Oral and Maxillofacial Surgeons position paper on medication-related osteonecrosis of the jaw--2014 update. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2014</b> , 72, 1938-56	1.8	1448
80	Investigation of platelet-rich plasma in rabbit cranial defects: A pilot study. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2002</b> , 60, 1176-81	1.8	241
79	Osteonecrosis of the jaw in a patient on Denosumab. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2010</b> , 68, 959-63	1.8	191
78	Periodontal disease and bisphosphonates induce osteonecrosis of the jaws in the rat. <i>Journal of Bone and Mineral Research</i> , <b>2011</b> , 26, 1871-82	6.3	154
77	Which hard tissue augmentation techniques are the most successful in furnishing bony support for implant placement?. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2007</b> , 22 Suppl, 49-70	2.8	118
76	A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1703437	15.6	111
75	Nell-1-induced bone regeneration in calvarial defects. <i>American Journal of Pathology</i> , <b>2006</b> , 169, 903-15	5.8	98
74	An engineered cell-laden adhesive hydrogel promotes craniofacial bone tissue regeneration in rats. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	79
73	Periapical disease and bisphosphonates induce osteonecrosis of the jaws in mice. <i>Journal of Bone and Mineral Research</i> , <b>2013</b> , 28, 1631-40	6.3	79
72	Pathophysiology of Osteonecrosis of the Jaws. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , <b>2015</b> , 27, 489-96	3.4	69
71	Evaluation of platelet-rich plasma in combination with anorganic bovine bone in the rabbit cranium: a pilot study. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2004</b> , 19, 59-65	2.8	68
70	RANKL inhibitors induce osteonecrosis of the jaw in mice with periapical disease. <i>Journal of Bone and Mineral Research</i> , <b>2014</b> , 29, 843-54	6.3	64
69	Evaluation of platelet-rich plasma in combination with freeze-dried bone in the rabbit cranium. A pilot study. <i>Clinical Oral Implants Research</i> , <b>2005</b> , 16, 250-7	4.8	62
68	Hierarchically Patterned Polydopamine-Containing Membranes for Periodontal Tissue Engineering. <i>ACS Nano</i> , <b>2019</b> , 13, 3830-3838	16.7	52
67	OPG-Fc but Not Zoledronic Acid Discontinuation Reverses Osteonecrosis of the Jaws (ONJ) in Mice. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 1627-40	6.3	52
66	Chitosan-Lysozyme Conjugates for Enzyme-Triggered Hydrogel Degradation in Tissue Engineering Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 41138-41145	9.5	51
65	Spontaneous osteonecrosis of the jaws in the maxilla of mice on antiresorptive treatment: a novel ONJ mouse model. <i>Bone</i> , <b>2014</b> , 68, 11-9	4.7	50

64	Delivery of siRNA via cationic Sterosomes to enhance osteogenic differentiation of mesenchymal stem cells. <i>Journal of Controlled Release</i> , <b>2015</b> , 217, 42-52	11.7	49
63	Photocrosslinkable chitosan hydrogels functionalized with the RGD peptide and phosphoserine to enhance osteogenesis. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 5289-5298	7.3	49
62	Adipose-derived stem cells and BMP-2 delivery in chitosan-based 3D constructs to enhance bone regeneration in a rat mandibular defect model. <i>Tissue Engineering - Part A</i> , <b>2014</b> , 20, 2169-79	3.9	48
61	Group 2 ITI Consensus Report: Prosthodontics and implant dentistry. <i>Clinical Oral Implants Research</i> , <b>2018</b> , 29 Suppl 16, 215-223	4.8	45
60	The effect of NELL1 and bone morphogenetic protein-2 on calvarial bone regeneration. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2010</b> , 68, 300-8	1.8	42
59	Osteonecrosis of the jaws (ONJ) in mice after extraction of teeth with periradicular disease. <i>Bone</i> , <b>2016</b> , 90, 133-41	4.7	42
58	Generation of Small RNA-Modulated Exosome Mimetics for Bone Regeneration. <i>ACS Nano</i> , <b>2020</b> , 14, 11973-11984	16.7	40
57	Delivery of Phenamil Enhances BMP-2-Induced Osteogenic Differentiation of Adipose-Derived Stem Cells and Bone Formation in Calvarial Defects. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 2053-65	3.9	38
56	Alginate/hyaluronic acid hydrogel delivery system characteristics regulate the differentiation of periodontal ligament stem cells toward chondrogenic lineage. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2017</b> , 28, 162	4.5	35
55	Osteonecrosis of the Jaw in the Absence of Antiresorptive or Antiangiogenic Exposure: A Series of 6 Cases. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2017</b> , 75, 129-142	1.8	34
54	Enhanced Osteogenesis of Adipose-Derived Stem Cells by Regulating Bone Morphogenetic Protein Signaling Antagonists and Agonists. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 539-51	6.9	30
53	Non-invasive terahertz imaging of tissue water content for flap viability assessment. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 460-474	3.5	29
52	Simultaneous delivery of hydrophobic small molecules and siRNA using Sterosomes to direct mesenchymal stem cell differentiation for bone repair. <i>Acta Biomaterialia</i> , <b>2017</b> , 58, 214-224	10.8	28
51	Regulation of the fate of dental-derived mesenchymal stem cells using engineered alginate-GelMA hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 2957-2967	5.4	28
50	Inspired by nature: facile design of nanoclay-organic hydrogel bone sealant with multifunctional properties for robust bone regeneration. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003717	15.6	28
49	Promoting volunteerism in global health: lessons from a medical mission in northern Mexico. <i>Journal of Community Health</i> , <b>2013</b> , 38, 374-84	4	25
48	Design and Characterization of a Therapeutic Non-phospholipid Liposomal Nanocarrier with Osteoinductive Characteristics To Promote Bone Formation. <i>ACS Nano</i> , <b>2017</b> , 11, 8055-8063	16.7	25
47	Stage 0 osteonecrosis of the jaw in a patient on denosumab. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2014</b> , 72, 702-16	1.8	24

46	Is Hyaluronic Acid or Corticosteroid Superior to Lactated Ringer Solution in the Short-Term Reduction of Temporomandibular Joint Pain After Arthrocentesis? Part 1. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2017</b> , 75, 52-62	1.8	23
45	Rheumatoid Arthritis Exacerbates the Severity of Osteonecrosis of the Jaws (ONJ) in Mice. A Randomized, Prospective, Controlled Animal Study. <i>Journal of Bone and Mineral Research</i> , <b>2016</b> , 31, 1596-607	6.2	23
44	The Predictive Value of Resonance Frequency Analysis Measurements in the Surgical Placement and Loading of Endosseous Implants. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2016</b> , 74, 1145-52	1.8	22
43	Fibromodulin reprogrammed cells: A novel cell source for bone regeneration. <i>Biomaterials</i> , <b>2016</b> , 83, 194-206	15.6	21
42	Inhibition of EZH2 Promotes Human Embryonic Stem Cell Differentiation into Mesoderm by Reducing H3K27me3. <i>Stem Cell Reports</i> , <b>2017</b> , 9, 752-761	8	21
41	Number of implants placed for complete-arch fixed prostheses: A systematic review and meta-analysis. <i>Clinical Oral Implants Research</i> , <b>2018</b> , 29 Suppl 16, 154-183	4.8	21
40	American Association of Oral and Maxillofacial Surgeons Position Paper on Medication-Related Osteonecrosis of the Jaw-2022 Update.. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2022</b> ,	1.8	21
39	Biomimetic scaffolds facilitate healing of critical-sized segmental mandibular defects. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , <b>2015</b> , 36, 1-6	2.8	20
38	Bisphosphonate uptake in areas of tooth extraction or periapical disease. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2014</b> , 72, 2461-8	1.8	20
37	Diverse osteoclastogenesis of bone marrow from mandible versus long bone. <i>Journal of Periodontology</i> , <b>2014</b> , 85, 829-36	4.6	20
36	Management of odontogenic sinusitis: multidisciplinary consensus statement. <i>International Forum of Allergy and Rhinology</i> , <b>2020</b> , 10, 901-912	6.3	19
35	Smoothed agonist sterosome immobilized hybrid scaffold for bone regeneration. <i>Science Advances</i> , <b>2020</b> , 6, eaaz7822	14.3	19
34	Radiographic predictors of bone exposure in patients with stage 0 medication-related osteonecrosis of the jaws. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2018</b> , 126, 537-544	2.5	19
33	Dental and orofacial mesenchymal stem cells in craniofacial regeneration: The prosthodontist's point of view. <i>Journal of Prosthetic Dentistry</i> , <b>2017</b> , 118, 455-461	4	18
32	Development of oral osteomucosal tissue constructs in vitro and localization of fluorescently-labeled bisphosphonates to hard and soft tissue. <i>International Journal of Molecular Medicine</i> , <b>2014</b> , 34, 559-63	4.4	17
31	Is Hyaluronic Acid or Corticosteroid Superior to Lactated Ringer Solution in the Short Term for Improving Function and Quality of Life After Arthrocentesis? Part 2. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2017</b> , 75, 63-72	1.8	16
30	Enhanced Mandibular Bone Repair by Combined Treatment of Bone Morphogenetic Protein 2 and Small-Molecule Phenamil. <i>Tissue Engineering - Part A</i> , <b>2017</b> , 23, 195-207	3.9	15
29	Bone morphogenetic protein-2-impregnated biomimetic scaffolds successfully induce bone healing in a marginal mandibular defect. <i>Laryngoscope</i> , <b>2013</b> , 123, 1149-55	3.6	15

28	Clinically Relevant Doses of Sclerostin Antibody Do Not Induce Osteonecrosis of the Jaw (ONJ) in Rats with Experimental Periodontitis. <i>Journal of Bone and Mineral Research</i> , <b>2019</b> , 34, 171-181	6.3	15
27	Vasculature submucosal changes at early stages of osteonecrosis of the jaw (ONJ). <i>Bone</i> , <b>2019</b> , 123, 234-245	7.45	14
26	Mechanical versus biological stability of immediate and delayed implant placement using resonance frequency analysis. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2015</b> , 73, 253-7	1.8	14
25	Basic Principles of Bioengineering and Regeneration. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , <b>2017</b> , 29, 1-7	3.4	13
24	Sinus membrane perforations and the incidence of complications: a retrospective study from a residency program. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2015</b> , 120, 10-4	2	13
23	Medication related osteonecrosis of the jaw in osteoporotic oncologic patients-quantifying radiographic appearance and relationship to clinical findings. <i>Dentomaxillofacial Radiology</i> , <b>2019</b> , 48, 20180128	3.9	13
22	Development of Medication-Related Osteonecrosis of the Jaw After Extraction of Teeth With Experimental Periapical Disease. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2019</b> , 77, 71-86	1.8	13
21	Risk factors in bone augmentation procedures. <i>Periodontology 2000</i> , <b>2019</b> , 81, 76-90	12.9	13
20	Trb3 controls mesenchymal stem cell lineage fate and enhances bone regeneration by scaffold-mediated local gene delivery. <i>Biomaterials</i> , <b>2021</b> , 264, 120445	15.6	13
19	Nonsurgical Management of Medication-Related Osteonecrosis of the Jaws Using Local Wound Care. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2018</b> , 76, 2332-2339	1.8	13
18	Parathyroid hormone induces mitogen-activated kinase phosphatase 1 in murine osteoblasts primarily through cAMP-protein kinase A signaling. <i>Journal of Periodontology</i> , <b>2006</b> , 77, 21-30	4.6	12
17	Small molecule-mediated tribbles homolog 3 promotes bone formation induced by bone morphogenetic protein-2. <i>Scientific Reports</i> , <b>2017</b> , 7, 7518	4.9	10
16	Effect of length, diameter, intraoral location on implant stability. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2016</b> , 122, e193-e198	2	10
15	Resonance Frequency Analysis of Sinus Augmentation by Osteotome Sinus Floor Elevation and Lateral Window Technique. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2015</b> , 73, 1920-5	1.8	8
14	Defining the critical-sized defect in a rat segmental mandibulectomy model. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , <b>2014</b> , 140, 58-65	3.9	8
13	Does CBCT alter the diagnostic thinking efficacy, management and prognosis of patients with suspected Stage 0 medication-related osteonecrosis of the jaws?. <i>Dentomaxillofacial Radiology</i> , <b>2018</b> , 47, 20170290	3.9	7
12	Controversies in Implant Surgery. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , <b>2017</b> , 29, 525-535	5.4	6
11	Immunohistochemical analysis of cortical and cancellous bone after radiation and the effect of platelet-rich plasma on autogenous bone grafting. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2006</b> , 21, 535-42	2.8	6

10	Biomimetic Enhancement of Bone Graft Reconstruction. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , <b>2019</b> , 31, 193-205	3-4	5
9	Tissue Regeneration: A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics (Adv. Funct. Mater. 3/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870021	15.6	4
8	Immunomodulatory Microneedle Patch for Periodontal Tissue Regeneration.. <i>Matter</i> , <b>2022</b> , 5, 666-682	12.7	4
7	The ERK1/2-MDM2 regulatory axis modulates osteogenic differentiation in human mesenchymal stem cells.. <i>Bone Research</i> , <b>2022</b> , 10, 3	13.3	3
6	Growth factors in implant site development. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , <b>2004</b> , 16, 111-25, vii	3-4	1
5	Local RANKL delivery improves socket healing in bisphosphonate treated rats. <i>Bone</i> , <b>2021</b> , 148, 115945	4.7	1
4	Enhanced Osteoinductivity of Demineralized Bone Matrix with Noggin Suppression in Polymer Matrix. <i>Advanced Biology</i> , <b>2021</b> , 5, e202000135		1
3	Scaffold-Assisted Artificial Hair Implantation in a Rat Model. <i>JAMA Facial Plastic Surgery</i> , <b>2018</b> , 20, 230-237	3.7	0
2	Pathophysiology of Anti-resorptive Medication-related Osteonecrosis. <i>FASEB Journal</i> , <b>2018</b> , 32, 365.3	0.9	
1	Osteonecrosis of the Jaw <b>2018</b> , 927-932		