Roberta Okamoto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107 papers	1,554 citations	20 h-index	34 g-index
132 ext. papers	1,827 ext. citations	2.9 avg, IF	4.54 L-index

#	Paper	IF	Citations
107	PTH 1-34-functionalized bioactive glass improves peri-implant bone repair in orchiectomized rats: Microscale and ultrastructural evaluation.. *Materials Science and Engineering C*, **2022**, 112688	8.3	1
106	Titanium-Based Alloy Surface Modification with TiO and Poly(sodium 4-styrenesulfonate) Multilayers for Dental Implants.. *ACS Applied Bio Materials*, **2021**, 4, 3055-3066	4.1	3
105	The Risk of Osseointegration in the Coronavirus Disease 19 Pandemic. *Journal of Craniofacial Surgery*, **2021**, 32, e827	1.2	0
104	Effects of premature contact in maxillary alveolar bone in rats: relationship between experimental analyses and a micro scale FEA computational simulation study. *Clinical Oral Investigations*, **2021**, 25, 5479-5492	4.2	
103	From tissue retrieval to electron tomography: nanoscale characterization of the interface between bone and bioactive glass. *Journal of the Royal Society Interface*, **2021**, 18, 20210181	4.1	3
102	Teriparatide improves microarchitectural characteristics of peri-implant bone in orchiectomized rats. *Osteoporosis International*, **2020**, 31, 1807-1815	5.3	6
101	catenin and Its Relation to Alveolar Bone Mechanical Deformation - A Study Conducted in Rats With Tooth Extraction. *Frontiers in Physiology*, **2020**, 11, 549	4.6	1
100	Plasma Electrolytic Oxidation as a Feasible Surface Treatment for Biomedical Applications: an in vivo study. *Scientific Reports*, **2020**, 10, 10000	4.9	11
99	Comparison between Plasma Electrolytic Oxidation Coating and Sandblasted Acid-Etched Surface Treatment: Histometric, Tomographic, and Expression Levels of Osteoclastogenic Factors in Osteoporotic Rats. *Materials*, **2020**, 13,	3.5	5
98	Comparative Evaluation of Bone Repair with Four Different Bone Substitutes in Critical Size Defects. *International Journal of Biomaterials*, **2020**, 2020, 5182845	3.2	2
97	Gene expression, immunohistochemical and microarchitectural evaluation of bone formation around two implant surfaces placed in bone defects filled or not with bone substitute material. *International Journal of Implant Dentistry*, **2020**, 6, 80	2.8	1
96	Immunohistochemical expression of Catenin associated to bone strain changes in the subchondral bone of mandibular condyle tudy in Wistar rats with dental premature contact. *FASEB Journal*, **2020**, 34, 1-1	0.9	
95	Finite element analysis and catenin Signaling at the Alveolar Bone after Tooth Extraction tudy in rats. *FASEB Journal*, **2020**, 34, 1-1	0.9	
94	Evaluation of Osteoconduction of a Synthetic Hydroxyapatite/ Tricalcium Phosphate Block Fixed in Rabbit Mandibles. *Materials*, **2020**, 13,	3.5	1
93	Different Stages of Alveolar Bone Repair Process Are Compromised in the Type 2 Diabetes Condition: An Experimental Study in Rats. *Biology*, **2020**, 9,	4.9	2
92	Improvement of bone repair with l-PRF and bovine bone in calvaria of rats. histometric and immunohistochemical study. *Clinical Oral Investigations*, **2020**, 24, 1637-1650	4.2	9
91	The new bone formation in human maxillary sinuses using two bone substitutes with different resorption types associated or not with autogenous bone graft: a comparative histomorphometric, immunohistochemical and randomized clinical study. *Journal of Applied Oral Science*, **2020**, 29, e20200568	3.3	1

90	Sonochemical time standardization for bioactive materials used in periimplantar defects filling. *Ultrasonics Sonochemistry*, **2019**, 56, 437-446	8.9	5
89	Teriparatide improves alveolar bone modelling after tooth extraction in orchiectomized rats. *Archives of Oral Biology*, **2019**, 102, 147-154	2.8	7
88	Bone tissue formation around two titanium implant surfaces placed in bone defects filled with bone substitute material or blood clot: A pilot study. *Clinical Implant Dentistry and Related Research*, **2019**, 21, 1175-1180	3.9	2
87	Losartan improves alveolar bone dynamics in normotensive rats but not in hypertensive rats. *Journal of Applied Oral Science*, **2019**, 27, e20180574	3.3	2
86	Reconstruction of a Large Orbital Floor Defect Using Autogenous Calvarial Bone Graft in a Young Patient. *Journal of Craniofacial Surgery*, **2019**, 30, 620	1.2	1
85	Use of Calcium Phosphate Cement for Repairing Bone Defects: Histomorphometric and Immunohistochemical Analyses. *Journal of Craniofacial Surgery*, **2019**, 30, 1016-1021	1.2	2
84	Strategy of Mandibular Central Arch Reconstruction After Firearm Injury. *Journal of Craniofacial Surgery*, **2019**, 30, e629-e630	1.2	1
83	Surgical strategy for treatment of bilateral temporomandibular joint ankylosis. *Oral Surgery*, **2019**, 12, 278-279	0.6	
82	Antimicrobial photodynamic therapy improves the alveolar repair process and prevents the occurrence of osteonecrosis of the jaws after tooth extraction in senile rats treated with zoledronate. *Bone*, **2019**, 120, 101-113	4.7	18
81	Effect of intermittent teriparatide (PTH 1-34) on the alveolar healing process in orchiectomized rats. *Clinical Oral Investigations*, **2019**, 23, 2313-2322	4.2	10
80	Comparative study of volumetric changes and trabecular microarchitecture in human maxillary sinus bone augmentation with bioactive glass and autogenous bone graft: a prospective and randomized assessment. *International Journal of Oral and Maxillofacial Surgery*, **2018**, 47, 665-671	2.9	13
79	Raloxifene but not alendronate can compensate the impaired osseointegration in osteoporotic rats. *Clinical Oral Investigations*, **2018**, 22, 255-265	4.2	19
78	Prospective and Randomized Evaluation of ChronOS and Bio-Oss in Human Maxillary Sinuses: Histomorphometric and Immunohistochemical Assignment for Runx 2, Vascular Endothelial Growth Factor, and Osteocalcin. *Journal of Oral and Maxillofacial Surgery*, **2018**, 76, 325-335	1.8	9
77	Orbital Emphysema: A Rare Postoperative Complication. *Journal of Craniofacial Surgery*, **2018**, 29, e624-e625	1.2	2
76	Alveolar bone healing in rats: micro-CT, immunohistochemical and molecular analysis. *Journal of Applied Oral Science*, **2018**, 26, e20170326	3.3	23
75	Bone repair access of BoneCeramic in 5-mm defects: study on rat calvaria. *Journal of Applied Oral Science*, **2018**, 26, e20160531	3.3	7
74	Daily melatonin administration improves osseointegration in pinealectomized rats. *Journal of Applied Oral Science*, **2018**, 26, e20170470	3.3	15
73	Bioactive glass added to autogenous bone graft in maxillary sinus augmentation: a prospective histomorphometric, immunohistochemical, and bone graft resorption assessment. *Journal of Applied Oral Science*, **2018**, 26, e20170296	3.3	11

72	Bone repair with raloxifene and bioglass nanoceramic composite in animal experiment. *Connective Tissue Research*, **2018**, 59, 97-101	3.3	6
71	Comparative Evaluation of Cell Viability Immediately After Osteotomy for Implants With Drills and Piezosurgery: Immunohistochemistry Analysis. *Journal of Craniofacial Surgery*, **2018**, 29, 1578-1582	1.2	3
70	A SERM increasing the expression of the osteoblastogenesis and mineralization-related proteins and improving quality of bone tissue in an experimental model of osteoporosis. *Journal of Applied Oral Science*, **2018**, 26, e20170329	3.3	11
69	Evaluation of the Different Biomaterials Used in Alveolar Cleft Defects in Children. *Annals of Maxillofacial Surgery*, **2018**, 8, 315-319	1	4
68	Vital Bone Formation After Grafting of Autogenous Bone and Biphasic Calcium Phosphate Bioceramic in Extraction Sockets of Rats: Histological, Histometric, and Immunohistochemical Evaluation. *Implant Dentistry*, **2018**, 27, 615-622	2.4	3
67	Losartan reverses impaired osseointegration in spontaneously hypertensive rats. *Clinical Oral Implants Research*, **2018**, 29, 1126-1134	4.8	5
66	Influence of weight gain on the modulation of wound healing following tooth extraction. *Bone*, **2018**, 114, 226-234	4.7	1
65	Aged rats under zoledronic acid therapy and oral surgery. *Journal of Cranio-Maxillo-Facial Surgery*, **2017**, 45, 781-787	3.6	10
64	Use of autogenous bone and beta-tricalcium phosphate in maxillary sinus lifting: histomorphometric study and immunohistochemical assessment of RUNX2 and VEGF. *International Journal of Oral and Maxillofacial Surgery*, **2017**, 46, 503-510	2.9	17
63	Immunohistochemistry evaluation of BMP-2 with □tricalcium phosphate matrix, polylactic and polyglycolic acid gel, and calcium phosphate cement in rats. *Oral and Maxillofacial Surgery*, **2017**, 21, 247-258	1.6	9
62	Evaluation of the Osteoinductive Effect of PDGF-BB Associated With Different Carriers in Bone Regeneration in Bone Surgical Defects in Rats. *Implant Dentistry*, **2017**, 26, 559-566	2.4	3
61	Histomorphometric and immunohistochemical assessment of RUNX2 and VEGF of Biogran□and autogenous bone graft in human maxillary sinus bone augmentation: A prospective and randomized study. *Clinical Implant Dentistry and Related Research*, **2017**, 19, 867-875	3.9	17
60	Immunohistochemical response in rats of beta-tricalcium phosphate (TCP) with or without BMP-2 in the production of collagen matrix critical defects. *Acta Histochemica*, **2017**, 119, 302-308	2	7
59	Morphometric and histologic characterization of alveolar bone from hypertensive patients. *Clinical Implant Dentistry and Related Research*, **2017**, 19, 1106-1113	3.9	3
58	Short term sodium alendronate administration improves the peri-implant bone quality in osteoporotic animals. *Journal of Applied Oral Science*, **2017**, 25, 42-52	3.3	16
57	Efficacy of the C-terminal telopeptide test in predicting the development of bisphosphonate-related osteonecrosis of the jaw: a systematic review. *International Journal of Oral and Maxillofacial Surgery*, **2017**, 46, 151-156	2.9	16
56	Effect of antiresorptive drugs in the alveolar bone healing. A histometric and immunohistochemical study in ovariectomized rats. *Clinical Oral Investigations*, **2017**, 21, 1485-1494	4.2	20
55	Effects of fluoride on insulin signaling and bone metabolism in ovariectomized rats. *Journal of Trace Elements in Medicine and Biology*, **2017**, 39, 140-146	4.1	15

54	Maxillary Sinus Elevation Surgery with ChronOS and Autogenous Bone Graft: Immunohistochemical Assessment of RUNX2, VEGF, TRAP, and Osteocalcin. *International Journal of Periodontics and Restorative Dentistry*, **2017**, 37, e321-e327	2.1	5
53	Treatment of Extrusive Luxation in Permanent Teeth: Literature Review with Systematic Criteria. *Journal of Contemporary Dental Practice*, **2017**, 18, 241-245	0.7	4
52	Treatment of Extrusive Luxation in Permanent Teeth: Literature Review with Systematic Criteria. *Journal of Contemporary Dental Practice*, **2017**, 18, 241-245	0.7	3
51	Postoperative Complications in Craniomaxillofacial Reconstruction With Medpor. *Journal of Craniofacial Surgery*, **2016**, 27, 425-8	1.2	10
50	Maxillary sinus lift surgery-with or without graft material? A systematic review. *International Journal of Oral and Maxillofacial Surgery*, **2016**, 45, 1570-1576	2.9	47
49	Minimally Invasive Firearm Projectile Removal With the Use of Image Intensifiers. *Journal of Craniofacial Surgery*, **2016**, 27, 1612-3	1.2	
48	Effect of recombinant PDGF-BB on bone formation in the presence of β-tricalcium phosphate and bovine bone mineral matrix: a pilot study in rat calvarial defects. *BMC Oral Health*, **2016**, 16, 52	3.7	9
47	Short dental implants versus standard dental implants placed in the posterior jaws: A systematic review and meta-analysis. *Journal of Dentistry*, **2016**, 47, 8-17	4.8	148
46	Kinetics of gene expression of alkaline phosphatase during healing of alveolar bone in rats. *British Journal of Oral and Maxillofacial Surgery*, **2016**, 54, 531-5	1.4	6
45	Experimental maxillary sinus augmentation using a highly bioactive glass ceramic. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 41	4.5	10
44	Evaluation of bone substitutes for treatment of peri-implant bone defects: biomechanical, histological, and immunohistochemical analyses in the rabbit tibia. *Journal of Periodontal and Implant Science*, **2016**, 46, 176-96	2	19
43	Maxillary Sinus Elevation Surgery with ChronOS and Autogenous Bone Graft: Analysis of Histometric and Volumetric Changes. *International Journal of Periodontics and Restorative Dentistry*, **2016**, 36, 885-892	2.1	6
42	Scientific evidence on the use of recombinant human bone morphogenetic protein-2 (rhBMP-2) in oral and maxillofacial surgery. *Oral and Maxillofacial Surgery*, **2016**, 20, 223-32	1.6	20
41	Hypertension modifies OPG, RANK, and RANKL expression during the dental socket bone healing process in spontaneously hypertensive rats. *Clinical Oral Investigations*, **2015**, 19, 1319-27	4.2	28
40	Alveolar bone dynamics in osteoporotic rats treated with raloxifene or alendronate: confocal microscopy analysis. *Journal of Biomedical Optics*, **2015**, 20, 038003	3.5	14
39	Raloxifene enhances peri-implant bone healing in osteoporotic rats. *International Journal of Oral and Maxillofacial Surgery*, **2015**, 44, 798-805	2.9	34
38	New LLLT protocol to speed up the bone healing process-histometric and immunohistochemical analysis in rat calvarial bone defect. *Lasers in Medical Science*, **2015**, 30, 1225-30	3.1	25
37	Influence of diabetes mellitus on tissue response to MTA and its ability to stimulate mineralization. *Dental Traumatology*, **2015**, 31, 67-72	4.5	11

36	Antibiotic prophylaxis for third molar extraction in healthy patients: Current scientific evidence. *Quintessence International*, **2015**, 46, 149-61	2	4
35	Healing process of autogenous bone graft in spontaneously hypertensive rats treated with losartan: an immunohistochemical and histomorphometric study. *Journal of Oral and Maxillofacial Surgery*, **2014**, 72, 2569-81	1.8	9
34	Piezosurgery applied to implant dentistry: clinical and biological aspects. *Journal of Oral Implantology*, **2014**, 40 Spec No, 401-8	1.2	39
33	Block bone graft fixation (onlay): a modification of the surgical technique. *Journal of Craniofacial Surgery*, **2014**, 25, 645-7	1.2	2
32	Histometric analysis and topographic characterization of cp Ti implants with surfaces modified by laser with and without silica deposition. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2014**, 102, 1677-88	3.5	11
31	Evaluation of the presence of VEGF, BMP2 and CBFA1 proteins in autogenous bone graft: histometric and immunohistochemical analysis. *Journal of Cranio-Maxillo-Facial Surgery*, **2014**, 42, 333-9	3.6	6
30	Association between the facial type and morphology of the upper central incisor in normal occlusion subjects. *Journal of Contemporary Dental Practice*, **2014**, 15, 29-33	0.7	2
29	Histological and immunohistochemical analyses of the chronology of healing process after immediate tooth replantation in incisor rat teeth. *Dental Traumatology*, **2013**, 29, 15-22	4.5	17
28	Immunohistochemical, tomographic, and histological study on onlay bone graft remodeling. Part III: allografts. *Clinical Oral Implants Research*, **2013**, 24, 1164-72	4.8	19
27	Comparative study of the healing process when using Vicryl , Vicryl Rapid , Vicryl Plus , and Monocryl sutures in the rat dermal tissue. *Oral and Maxillofacial Surgery*, **2013**, 17, 293-8	1.6	8
26	Guided implant surgery: what is the influence of this new technique on bone cell viability?. *Journal of Oral and Maxillofacial Surgery*, **2013**, 71, 505-12	1.8	18
25	Bone substitutes for peri-implant defects of postextraction implants. *International Journal of Biomaterials*, **2013**, 2013, 307136	3.2	16
24	Expression of OPG, RANK, and RANKL proteins in tooth repair processes after immediate and delayed tooth. *Journal of Craniofacial Surgery*, **2013**, 24, e74-80	1.2	4
23	Tomographic, histological, and immunohistochemical evidences on the use of N-butyl-2-cyanoacrilate for onlay graft fixation in rabbits. *Clinical Implant Dentistry and Related Research*, **2012**, 14, 861-71	3.9	9
22	Oxytocin promotes bone formation during the alveolar healing process in old acyclic female rats. *Archives of Oral Biology*, **2012**, 57, 1290-7	2.8	14
21	Alveolar bone healing process in spontaneously hypertensive rats (SHR). A radiographic densitometry study. *Journal of Applied Oral Science*, **2012**, 20, 222-7	3.3	19
20	Histometric analysis of bone repair in bone-implant interface using a polylactic/polyglycolic acid copolymer associated with implants in rabbit tibia. *Journal of Oral Implantology*, **2012**, 38 Spec No, 449-57	1.2	7
19	Osteoconductive properties of tricalcium phosphate matrix, polylactic and polyglycolic acid gel, and calcium phosphate cement in bone defects. *Journal of Craniofacial Surgery*, **2012**, 23, e430-3	1.2	21

18	Compromised primary implant stability. *Journal of Craniofacial Surgery*, **2012**, 23, e524-8	1.2	1
17	Effect of low-level laser therapy on the healing process after tooth replantation: a histomorphometrical and immunohistochemical analysis. *Dental Traumatology*, **2011**, 27, 30-9	4.5	18
16	Raloxifene therapy inhibits osteoclastogenesis during the alveolar healing process in rats. *Archives of Oral Biology*, **2011**, 56, 984-90	2.8	21
15	Periodontal tissue engineering after tooth replantation. *Journal of Periodontology*, **2011**, 82, 758-66	4.6	16
14	The effect of BMP-2 on the osteoconductive properties of Ŧricalcium phosphate in rat calvaria defects. *Biomaterials*, **2011**, 32, 3855-61	15.6	73
13	Early healing after elevation of the maxillary sinus floor applying a lateral access: a histological study in monkeys. *Clinical Oral Implants Research*, **2010**, 21, 1320-6	4.8	65
12	Rank Protein Immunolabeling during Bone-Implant Interface Healing Process. *International Journal of Dentistry*, **2010**, 2010,	1.9	1
11	Bone regeneration in surgically created defects filled with autogenous bone: an epifluorescence microscopy analysis in rats. *Journal of Applied Oral Science*, **2010**, 18, 346-53	3.3	20
10	Osteocalcin immunolabeling during the alveolar healing process in ovariectomized rats treated with estrogen or raloxifene. *Bone*, **2010**, 46, 1021-9	4.7	33
9	Evaluation of alveolar socket response to Angelus MTA and experimental light-cure MTA. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics*, **2010**, 110, e93-7		24
8	Histomorphometric analysis and immunolocalization of RANKL and OPG during the alveolar healing process in female ovariectomized rats treated with oestrogen or raloxifene. *Archives of Oral Biology* , **2010**, 55, 52-9	2.8	31
7	Immunohistochemical, tomographic and histological study on onlay bone graft remodeling. Part II: calvarial bone. *Clinical Oral Implants Research*, **2009**, 20, 1254-64	4.8	47
6	Influence of the proportion of particulate autogenous bone graft/platelet-rich plasma on bone healing in critical-size defects: an immunohistochemical analysis in rat calvaria. *Bone*, **2009**, 45, 339-45	4.7	46
5	Evaluation of immediate bone-cell viability and of drill wear after implant osteotomies: immunohistochemistry and scanning electron microscopy analysis. *Journal of Oral and Maxillofacial Surgery*, **2008**, 66, 1233-40	1.8	45
4	Immunohistochemical, tomographic and histological study on onlay iliac grafts remodeling. *Clinical Oral Implants Research*, **2008**, 19, 393-401	4.8	37
3	Cardiovascular responses to chemoreflex activation with potassium cyanide or hypoxic hypoxia in awake rats. *Autonomic Neuroscience: Basic and Clinical*, **2002**, 97, 110-5	2.4	65
2	Bradycardic and hypotensive responses to microinjection of L-glutamate into the lateral aspect of the commissural NTS are blocked by an NMDA receptor antagonist. *Brain Research*, **2000**, 852, 68-75	3.7	23
1	The Role of Bone Grafts in Preventing Medication-Related Osteonecrosis of the Jaw: Histomorphometric, Immunohistochemical, and Clinical Evaluation in Animal Model. *Craniomaxillofacial Trauma & Reconstruction*,194338752110483	1.3	0