

Roberta Okamoto

List of Publications by Citations

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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	Short dental implants versus standard dental implants placed in the posterior jaws: A systematic review and meta-analysis. <i>Journal of Dentistry</i> , 2016 , 47, 8-17	4.8	148
106	The effect of BMP-2 on the osteoconductive properties of β-tricalcium phosphate in rat calvaria defects. <i>Biomaterials</i> , 2011 , 32, 3855-61	15.6	73
105	Early healing after elevation of the maxillary sinus floor applying a lateral access: a histological study in monkeys. <i>Clinical Oral Implants Research</i> , 2010 , 21, 1320-6	4.8	65
104	Cardiovascular responses to chemoreflex activation with potassium cyanide or hypoxic hypoxia in awake rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2002 , 97, 110-5	2.4	65
103	Maxillary sinus lift surgery-with or without graft material? A systematic review. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2016 , 45, 1570-1576	2.9	47
102	Immunohistochemical, tomographic and histological study on onlay bone graft remodeling. Part II: calvarial bone. <i>Clinical Oral Implants Research</i> , 2009 , 20, 1254-64	4.8	47
101	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. <i>Bone</i> , 2009 , 45, 339-45	4.7	46
100	Evaluation of immediate bone-cell viability and of drill wear after implant osteotomies: immunohistochemistry and scanning electron microscopy analysis. <i>Journal of Oral and Maxillofacial Surgery</i> , 2008 , 66, 1233-40	1.8	45
99	Piezosurgery applied to implant dentistry: clinical and biological aspects. <i>Journal of Oral Implantology</i> , 2014 , 40 Spec No, 401-8	1.2	39
98	Immunohistochemical, tomographic and histological study on onlay iliac grafts remodeling. <i>Clinical Oral Implants Research</i> , 2008 , 19, 393-401	4.8	37
97	Raloxifene enhances peri-implant bone healing in osteoporotic rats. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2015 , 44, 798-805	2.9	34
96	Osteocalcin immunolabeling during the alveolar healing process in ovariectomized rats treated with estrogen or raloxifene. <i>Bone</i> , 2010 , 46, 1021-9	4.7	33
95	Histomorphometric analysis and immunolocalization of RANKL and OPG during the alveolar healing process in female ovariectomized rats treated with oestrogen or raloxifene. <i>Archives of Oral Biology</i> , 2010 , 55, 52-9	2.8	31
94	Hypertension modifies OPG, RANK, and RANKL expression during the dental socket bone healing process in spontaneously hypertensive rats. <i>Clinical Oral Investigations</i> , 2015 , 19, 1319-27	4.2	28
93	New LLLT protocol to speed up the bone healing process-histometric and immunohistochemical analysis in rat calvarial bone defect. <i>Lasers in Medical Science</i> , 2015 , 30, 1225-30	3.1	25
92	Evaluation of alveolar socket response to Angelus MTA and experimental light-cure MTA. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010 , 110, e93-7		24
91	Alveolar bone healing in rats: micro-CT, immunohistochemical and molecular analysis. <i>Journal of Applied Oral Science</i> , 2018 , 26, e20170326	3.3	23

90	Bradycardic and hypotensive responses to microinjection of L-glutamate into the lateral aspect of the commissural NTS are blocked by an NMDA receptor antagonist. <i>Brain Research</i> , 2000 , 852, 68-75	3.7	23
89	Raloxifene therapy inhibits osteoclastogenesis during the alveolar healing process in rats. <i>Archives of Oral Biology</i> , 2011 , 56, 984-90	2.8	21
88	Osteoconductive properties of β-tricalcium phosphate matrix, polylactic and polyglycolic acid gel, and calcium phosphate cement in bone defects. <i>Journal of Craniofacial Surgery</i> , 2012 , 23, e430-3	1.2	21
87	Effect of antiresorptive drugs in the alveolar bone healing. A histometric and immunohistochemical study in ovariectomized rats. <i>Clinical Oral Investigations</i> , 2017 , 21, 1485-1494	4.2	20
86	Bone regeneration in surgically created defects filled with autogenous bone: an epifluorescence microscopy analysis in rats. <i>Journal of Applied Oral Science</i> , 2010 , 18, 346-53	3.3	20
85	Scientific evidence on the use of recombinant human bone morphogenetic protein-2 (rhBMP-2) in oral and maxillofacial surgery. <i>Oral and Maxillofacial Surgery</i> , 2016 , 20, 223-32	1.6	20
84	Raloxifene but not alendronate can compensate the impaired osseointegration in osteoporotic rats. <i>Clinical Oral Investigations</i> , 2018 , 22, 255-265	4.2	19
83	Immunohistochemical, tomographic, and histological study on onlay bone graft remodeling. Part III: allografts. <i>Clinical Oral Implants Research</i> , 2013 , 24, 1164-72	4.8	19
82	Alveolar bone healing process in spontaneously hypertensive rats (SHR). A radiographic densitometry study. <i>Journal of Applied Oral Science</i> , 2012 , 20, 222-7	3.3	19
81	Evaluation of bone substitutes for treatment of peri-implant bone defects: biomechanical, histological, and immunohistochemical analyses in the rabbit tibia. <i>Journal of Periodontal and Implant Science</i> , 2016 , 46, 176-96	2	19
80	Guided implant surgery: what is the influence of this new technique on bone cell viability?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2013 , 71, 505-12	1.8	18
79	Effect of low-level laser therapy on the healing process after tooth replantation: a histomorphometrical and immunohistochemical analysis. <i>Dental Traumatology</i> , 2011 , 27, 30-9	4.5	18
78	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. <i>Bone</i> , 2019 , 120, 101-113	4.7	18
77	Use of autogenous bone and beta-tricalcium phosphate in maxillary sinus lifting: histomorphometric study and immunohistochemical assessment of RUNX2 and VEGF. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017 , 46, 503-510	2.9	17
76	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. <i>Clinical Implant Dentistry and Related Research</i> , 2017 , 19, 867-875	3.9	17
75	Histological and immunohistochemical analyses of the chronology of healing process after immediate tooth replantation in incisor rat teeth. <i>Dental Traumatology</i> , 2013 , 29, 15-22	4.5	17
74	Short term sodium alendronate administration improves the peri-implant bone quality in osteoporotic animals. <i>Journal of Applied Oral Science</i> , 2017 , 25, 42-52	3.3	16
73	Efficacy of the C-terminal telopeptide test in predicting the development of bisphosphonate-related osteonecrosis of the jaw: a systematic review. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017 , 46, 151-156	2.9	16

72	Bone substitutes for peri-implant defects of postextraction implants. <i>International Journal of Biomaterials</i> , 2013 , 2013, 307136	3.2	16
71	Periodontal tissue engineering after tooth replantation. <i>Journal of Periodontology</i> , 2011 , 82, 758-66	4.6	16
70	Daily melatonin administration improves osseointegration in pinealectomized rats. <i>Journal of Applied Oral Science</i> , 2018 , 26, e20170470	3.3	15
69	Effects of fluoride on insulin signaling and bone metabolism in ovariectomized rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 39, 140-146	4.1	15
68	Alveolar bone dynamics in osteoporotic rats treated with raloxifene or alendronate: confocal microscopy analysis. <i>Journal of Biomedical Optics</i> , 2015 , 20, 038003	3.5	14
67	Oxytocin promotes bone formation during the alveolar healing process in old acyclic female rats. <i>Archives of Oral Biology</i> , 2012 , 57, 1290-7	2.8	14
66	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. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018 , 47, 665-671	2.9	13
65	Influence of diabetes mellitus on tissue response to MTA and its ability to stimulate mineralization. <i>Dental Traumatology</i> , 2015 , 31, 67-72	4.5	11
64	Plasma Electrolytic Oxidation as a Feasible Surface Treatment for Biomedical Applications: an in vivo study. <i>Scientific Reports</i> , 2020 , 10, 10000	4.9	11
63	Bioactive glass added to autogenous bone graft in maxillary sinus augmentation: a prospective histomorphometric, immunohistochemical, and bone graft resorption assessment. <i>Journal of Applied Oral Science</i> , 2018 , 26, e20170296	3.3	11
62	A SERM increasing the expression of the osteoblastogenesis and mineralization-related proteins and improving quality of bone tissue in an experimental model of osteoporosis. <i>Journal of Applied Oral Science</i> , 2018 , 26, e20170329	3.3	11
61	Histometric analysis and topographic characterization of cp Ti implants with surfaces modified by laser with and without silica deposition. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 1677-88	3.5	11
60	Aged rats under zoledronic acid therapy and oral surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017 , 45, 781-787	3.6	10
59	Postoperative Complications in Craniomaxillofacial Reconstruction With Medpor. <i>Journal of Craniofacial Surgery</i> , 2016 , 27, 425-8	1.2	10
58	Experimental maxillary sinus augmentation using a highly bioactive glass ceramic. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 41	4.5	10
57	Effect of intermittent teriparatide (PTH 1-34) on the alveolar healing process in orchietomized rats. <i>Clinical Oral Investigations</i> , 2019 , 23, 2313-2322	4.2	10
56	Immunohistochemistry evaluation of BMP-2 with tricalcium phosphate matrix, polylactic and polyglycolic acid gel, and calcium phosphate cement in rats. <i>Oral and Maxillofacial Surgery</i> , 2017 , 21, 247-258	1.6	9
55	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. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018 , 76, 325-335	1.8	9

54	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. <i>BMC Oral Health</i> , 2016 , 16, 52	3.7	9
53	Healing process of autogenous bone graft in spontaneously hypertensive rats treated with losartan: an immunohistochemical and histomorphometric study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014 , 72, 2569-81	1.8	9
52	Tomographic, histological, and immunohistochemical evidences on the use of N-butyl-2-cyanoacrylate for onlay graft fixation in rabbits. <i>Clinical Implant Dentistry and Related Research</i> , 2012 , 14, 861-71	3.9	9
51	Improvement of bone repair with I-PRF and bovine bone in calvaria of rats. histometric and immunohistochemical study. <i>Clinical Oral Investigations</i> , 2020 , 24, 1637-1650	4.2	9
50	Comparative study of the healing process when using Vicryl [®] , Vicryl Rapid [®] , Vicryl Plus [®] , and Monocryl [®] sutures in the rat dermal tissue. <i>Oral and Maxillofacial Surgery</i> , 2013 , 17, 293-8	1.6	8
49	Immunohistochemical response in rats of beta-tricalcium phosphate (TCP) with or without BMP-2 in the production of collagen matrix critical defects. <i>Acta Histochemica</i> , 2017 , 119, 302-308	2	7
48	Teriparatide improves alveolar bone modelling after tooth extraction in orchietomized rats. <i>Archives of Oral Biology</i> , 2019 , 102, 147-154	2.8	7
47	Bone repair access of BoneCeramic [®] in 5-mm defects: study on rat calvaria. <i>Journal of Applied Oral Science</i> , 2018 , 26, e20160531	3.3	7
46	Histometric analysis of bone repair in bone-implant interface using a polylactic/polyglycolic acid copolymer associated with implants in rabbit tibia. <i>Journal of Oral Implantology</i> , 2012 , 38 Spec No, 449-57 ^{1,2}	1.2	7
45	Teriparatide improves microarchitectural characteristics of peri-implant bone in orchietomized rats. <i>Osteoporosis International</i> , 2020 , 31, 1807-1815	5.3	6
44	Kinetics of gene expression of alkaline phosphatase during healing of alveolar bone in rats. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016 , 54, 531-5	1.4	6
43	Bone repair with raloxifene and bioglass nanoceramic composite in animal experiment. <i>Connective Tissue Research</i> , 2018 , 59, 97-101	3.3	6
42	Evaluation of the presence of VEGF, BMP2 and CBFA1 proteins in autogenous bone graft: histometric and immunohistochemical analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014 , 42, 333-9	3.6	6
41	Maxillary Sinus Elevation Surgery with ChronOS and Autogenous Bone Graft: Analysis of Histometric and Volumetric Changes. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2016 , 36, 885-892	2.1	6
40	Sonochemical time standardization for bioactive materials used in periimplantar defects filling. <i>Ultrasonics Sonochemistry</i> , 2019 , 56, 437-446	8.9	5
39	Comparison between Plasma Electrolytic Oxidation Coating and Sandblasted Acid-Etched Surface Treatment: Histometric, Tomographic, and Expression Levels of Osteoclastogenic Factors in Osteoporotic Rats. <i>Materials</i> , 2020 , 13,	3.5	5
38	Maxillary Sinus Elevation Surgery with ChronOS and Autogenous Bone Graft: Immunohistochemical Assessment of RUNX2, VEGF, TRAP, and Osteocalcin. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2017 , 37, e321-e327	2.1	5
37	Losartan reverses impaired osseointegration in spontaneously hypertensive rats. <i>Clinical Oral Implants Research</i> , 2018 , 29, 1126-1134	4.8	5

36	Expression of OPG, RANK, and RANKL proteins in tooth repair processes after immediate and delayed tooth. <i>Journal of Craniofacial Surgery</i> , 2013 , 24, e74-80	1.2	4
35	Evaluation of the Different Biomaterials Used in Alveolar Cleft Defects in Children. <i>Annals of Maxillofacial Surgery</i> , 2018 , 8, 315-319	1	4
34	Treatment of Extrusive Luxation in Permanent Teeth: Literature Review with Systematic Criteria. <i>Journal of Contemporary Dental Practice</i> , 2017 , 18, 241-245	0.7	4
33	Antibiotic prophylaxis for third molar extraction in healthy patients: Current scientific evidence. <i>Quintessence International</i> , 2015 , 46, 149-61	2	4
32	Evaluation of the Osteoinductive Effect of PDGF-BB Associated With Different Carriers in Bone Regeneration in Bone Surgical Defects in Rats. <i>Implant Dentistry</i> , 2017 , 26, 559-566	2.4	3
31	Morphometric and histologic characterization of alveolar bone from hypertensive patients. <i>Clinical Implant Dentistry and Related Research</i> , 2017 , 19, 1106-1113	3.9	3
30	Comparative Evaluation of Cell Viability Immediately After Osteotomy for Implants With Drills and Piezosurgery: Immunohistochemistry Analysis. <i>Journal of Craniofacial Surgery</i> , 2018 , 29, 1578-1582	1.2	3
29	Titanium-Based Alloy Surface Modification with TiO and Poly(sodium 4-styrenesulfonate) Multilayers for Dental Implants.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3055-3066	4.1	3
28	Vital Bone Formation After Grafting of Autogenous Bone and Biphasic Calcium Phosphate Bioceramic in Extraction Sockets of Rats: Histological, Histometric, and Immunohistochemical Evaluation. <i>Implant Dentistry</i> , 2018 , 27, 615-622	2.4	3
27	From tissue retrieval to electron tomography: nanoscale characterization of the interface between bone and bioactive glass. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210181	4.1	3
26	Treatment of Extrusive Luxation in Permanent Teeth: Literature Review with Systematic Criteria. <i>Journal of Contemporary Dental Practice</i> , 2017 , 18, 241-245	0.7	3
25	Orbital Emphysema: A Rare Postoperative Complication. <i>Journal of Craniofacial Surgery</i> , 2018 , 29, e624-e625	2	2
24	Bone tissue formation around two titanium implant surfaces placed in bone defects filled with bone substitute material or blood clot: A pilot study. <i>Clinical Implant Dentistry and Related Research</i> , 2019 , 21, 1175-1180	3.9	2
23	Block bone graft fixation (onlay): a modification of the surgical technique. <i>Journal of Craniofacial Surgery</i> , 2014 , 25, 645-7	1.2	2
22	Comparative Evaluation of Bone Repair with Four Different Bone Substitutes in Critical Size Defects. <i>International Journal of Biomaterials</i> , 2020 , 2020, 5182845	3.2	2
21	Losartan improves alveolar bone dynamics in normotensive rats but not in hypertensive rats. <i>Journal of Applied Oral Science</i> , 2019 , 27, e20180574	3.3	2
20	Association between the facial type and morphology of the upper central incisor in normal occlusion subjects. <i>Journal of Contemporary Dental Practice</i> , 2014 , 15, 29-33	0.7	2
19	Different Stages of Alveolar Bone Repair Process Are Compromised in the Type 2 Diabetes Condition: An Experimental Study in Rats. <i>Biology</i> , 2020 , 9,	4.9	2

18	Use of Calcium Phosphate Cement for Repairing Bone Defects: Histomorphometric and Immunohistochemical Analyses. <i>Journal of Craniofacial Surgery</i> , 2019 , 30, 1016-1021	1.2	2
17	β-catenin and Its Relation to Alveolar Bone Mechanical Deformation - A Study Conducted in Rats With Tooth Extraction. <i>Frontiers in Physiology</i> , 2020 , 11, 549	4.6	1
16	Rank Protein Immunolabeling during Bone-Implant Interface Healing Process. <i>International Journal of Dentistry</i> , 2010 , 2010,	1.9	1
15	Compromised primary implant stability. <i>Journal of Craniofacial Surgery</i> , 2012 , 23, e524-8	1.2	1
14	PTH 1-34-functionalized bioactive glass improves peri-implant bone repair in orchietomized rats: Microscale and ultrastructural evaluation.. <i>Materials Science and Engineering C</i> , 2022 , 112688	8.3	1
13	Gene expression, immunohistochemical and microarchitectural evaluation of bone formation around two implant surfaces placed in bone defects filled or not with bone substitute material. <i>International Journal of Implant Dentistry</i> , 2020 , 6, 80	2.8	1
12	Evaluation of Osteoconduction of a Synthetic Hydroxyapatite/β-Tricalcium Phosphate Block Fixed in Rabbit Mandibles. <i>Materials</i> , 2020 , 13,	3.5	1
11	Reconstruction of a Large Orbital Floor Defect Using Autogenous Calvarial Bone Graft in a Young Patient. <i>Journal of Craniofacial Surgery</i> , 2019 , 30, 620	1.2	1
10	Strategy of Mandibular Central Arch Reconstruction After Firearm Injury. <i>Journal of Craniofacial Surgery</i> , 2019 , 30, e629-e630	1.2	1
9	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. <i>Journal of Applied Oral Science</i> , 2020 , 29, e20200568	3.3	1
8	Influence of weight gain on the modulation of wound healing following tooth extraction. <i>Bone</i> , 2018 , 114, 226-234	4.7	1
7	The Role of Bone Grafts in Preventing Medication-Related Osteonecrosis of the Jaw: Histomorphometric, Immunohistochemical, and Clinical Evaluation in Animal Model. <i>Craniofacial Trauma & Reconstruction</i> , 194338752110483	1.3	0
6	The Risk of Osseointegration in the Coronavirus Disease 19 Pandemic. <i>Journal of Craniofacial Surgery</i> , 2021 , 32, e827	1.2	0
5	Minimally Invasive Firearm Projectile Removal With the Use of Image Intensifiers. <i>Journal of Craniofacial Surgery</i> , 2016 , 27, 1612-3	1.2	
4	Immunohistochemical expression of β-catenin associated to bone strain changes in the subchondral bone of mandibular condyle β-study in Wistar rats with dental premature contact. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
3	Finite element analysis and β-catenin Signaling at the Alveolar Bone after Tooth Extraction β-study in rats. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
2	Surgical strategy for treatment of bilateral temporomandibular joint ankylosis. <i>Oral Surgery</i> , 2019 , 12, 278-279	0.6	
1	Effects of premature contact in maxillary alveolar bone in rats: relationship between experimental analyses and a micro scale FEA computational simulation study. <i>Clinical Oral Investigations</i> , 2021 , 25, 5479-5492	4.2	

