

Lynne A Opperman

List of Publications by Citations

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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.

102
papers

3,140
citations

29
h-index

52
g-index

104
ext. papers

3,398
ext. citations

2.8
avg, IF

5.07
L-index

#	Paper	IF	Citations
102	Cranial sutures as intramembranous bone growth sites. <i>Developmental Dynamics</i> , 2000 , 219, 472-85	2.9	462
101	Tissue interactions with underlying dura mater inhibit osseous obliteration of developing cranial sutures. <i>Developmental Dynamics</i> , 1993 , 198, 312-22	2.9	157
100	Cranial sutures require tissue interactions with dura mater to resist osseous obliteration in vitro. <i>Journal of Bone and Mineral Research</i> , 1995 , 10, 1978-87	6.3	148
99	TGF-beta 1, TGF-beta 2, and TGF-beta 3 exhibit distinct patterns of expression during cranial suture formation and obliteration in vivo and in vitro. <i>Journal of Bone and Mineral Research</i> , 1997 , 12, 301-10	6.3	136
98	Histological and scanning electron microscopy assessment of various vital pulp-therapy materials. <i>Journal of Endodontics</i> , 2003 , 29, 324-33	4.7	119
97	Survival of human periodontal ligament cells in media proposed for transport of avulsed teeth. <i>Dental Traumatology</i> , 2004 , 20, 21-8	4.5	110
96	Transforming growth factor-beta 2 and TGF-beta 3 regulate fetal rat cranial suture morphogenesis by regulating rates of cell proliferation and apoptosis. <i>Developmental Dynamics</i> , 2000 , 219, 237-47	2.9	96
95	Osteoblasts and MG-63 osteosarcoma cells behave differently when in contact with ProRoot MTA and White MTA. <i>International Endodontic Journal</i> , 2003 , 36, 564-70	5.4	94
94	The effects of bisphosphonates on osteoblasts in vitro. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008 , 106, 5-13		56
93	Lateral functional shift of the mandible: Part I. Effects on condylar cartilage thickness and proliferation. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2003 , 123, 153-9	2.1	56
92	Tooth movements in foxhounds after one or two alveolar corticotomies. <i>European Journal of Orthodontics</i> , 2010 , 32, 106-13	3.3	54
91	Effect of recombinant human bone morphogenetic protein-2 on bone regeneration and osseointegration of dental implants. <i>Clinical Oral Implants Research</i> , 2001 , 12, 339-49	4.8	52
90	Dentinal Tubule Penetration of Tricalcium Silicate Sealers. <i>Journal of Endodontics</i> , 2016 , 42, 632-6	4.7	51
89	Intrusion of multiradicular teeth and related root resorption with mini-screw implant anchorage: a radiographic evaluation. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2007 , 132, 647-55 ^{2.1}		51
88	Inheritance of sutural pattern at the pterion in Rhesus monkey skulls. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2006 , 288, 1042-9		49
87	In vitro evaluation of dentinal tubule penetration and biomineralization ability of a new root-end filling material. <i>Journal of Endodontics</i> , 2012 , 38, 1093-6	4.7	45
86	Effect of storage media on human periodontal ligament cell apoptosis. <i>Dental Traumatology</i> , 2008 , 24, 11-6	4.5	43

85	Transforming growth factor-beta 3(Tgf-beta3) in a collagen gel delays fusion of the rat posterior interfrontal suture in vivo. <i>The Anatomical Record</i> , 2002 , 267, 120-30		43
84	Rescue of coronal suture fusion using transforming growth factor-beta 3 (Tgf-beta 3) in rabbits with delayed-onset craniosynostosis. <i>The Anatomical Record</i> , 2003 , 274, 962-71		43
83	Dura mater secretes soluble heparin-binding factors required for cranial suture morphogenesis. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1996 , 32, 627-632	2.6	43
82	Regulation of cell proliferation in rat mandibular condylar cartilage in explant culture by insulin-like growth factor-1 and fibroblast growth factor-2. <i>Archives of Oral Biology</i> , 2002 , 47, 643-54	2.8	42
81	Transforming growth factor-beta isoform expression in the perisutural tissues of craniosynostotic rabbits. <i>Cleft Palate-Craniofacial Journal</i> , 2004 , 41, 392-402	1.9	38
80	Preliminary evaluation of BMP-2 expression and histological characteristics during apexification with calcium hydroxide and mineral trioxide aggregate. <i>Journal of Endodontics</i> , 2005 , 31, 275-9	4.7	37
79	Lateral functional shift of the mandible: Part II. Effects on gene expression in condylar cartilage. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2003 , 123, 160-6	2.1	36
78	In the absence of periosteum, transplanted fetal and neonatal rat coronal sutures resist osseous obliteration. <i>Journal of Craniofacial Surgery</i> , 1994 , 5, 327-32	1.2	35
77	How does the amount of surgical insult affect bone around moving teeth?. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014 , 145, S92-9	2.1	31
76	In vitro osteogenic/dentinogenic potential of an experimental calcium aluminosilicate cement. <i>Journal of Endodontics</i> , 2013 , 39, 1161-6	4.7	31
75	Anti-TGF-beta2 antibody therapy inhibits postoperative resynostosis in craniosynostotic rabbits. <i>Plastic and Reconstructive Surgery</i> , 2007 , 119, 1200-1212	2.7	31
74	Elevated levels of transforming growth factors beta 2 and beta 3 in lambdoid sutures from children with persistent plagiocephaly. <i>Cleft Palate-Craniofacial Journal</i> , 1997 , 34, 331-7	1.9	29
73	Correction of Coronal Suture Synostosis Using Suture and Dura Mater Allografts in Rabbits With Familial Craniosynostosis. <i>Cleft Palate-Craniofacial Journal</i> , 2001 , 38, 206-225	1.9	29
72	Comparative analysis of carrier-based obturation and lateral compaction: a retrospective clinical outcomes study. <i>International Journal of Dentistry</i> , 2012 , 2012, 954675	1.9	28
71	Antioxidants counteract nicotine and promote migration via RacGTP in oral fibroblast cells. <i>Journal of Periodontology</i> , 2010 , 81, 1675-90	4.6	28
70	The effect of force, timing, and location on bone-to-implant contact of miniscrew implants. <i>European Journal of Orthodontics</i> , 2009 , 31, 232-40	3.3	28
69	Is there an optimal force level for sutural expansion?. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011 , 139, 446-55	2.1	27
68	Bioactive antioxidant mixtures promote proliferation and migration on human oral fibroblasts. <i>Archives of Oral Biology</i> , 2011 , 56, 812-22	2.8	26

67	Correction of coronal suture synostosis using suture and dura mater allografts in rabbits with familial craniosynostosis. <i>Cleft Palate-Craniofacial Journal</i> , 2001 , 38, 206-25	1.9	26
66	Recombinant human BMP-2 enhances the effects of materials used for reconstruction of large cranial defects. <i>Journal of Oral and Maxillofacial Surgery</i> , 2008 , 66, 277-85	1.8	24
65	Histologic evaluation of root response to intrusion in mandibular teeth in beagle dogs. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011 , 139, 60-9	2.1	23
64	Erk1/2 signaling is required for Tgf-beta 2-induced suture closure. <i>Developmental Dynamics</i> , 2006 , 235, 1292-9	2.9	23
63	Cultured primary osteoblast viability and apoptosis in the presence of root canal sealers. <i>Journal of Endodontics</i> , 2004 , 30, 527-33	4.7	23
62	Reconstruction of canine mandibular bone defects using a bone transport reconstruction plate. <i>Annals of Plastic Surgery</i> , 2009 , 63, 441-8	1.7	22
61	Postoperative anti-Tgf-beta2 antibody therapy improves intracranial volume and craniofacial growth in craniosynostotic rabbits. <i>Journal of Craniofacial Surgery</i> , 2007 , 18, 336-46; discussion 347-9	1.2	22
60	Effect of recombinant human bone morphogenetic protein-2 on bone regeneration in large defects of the growing canine skull after dura mater replacement with a dura mater substitute. <i>Journal of Neurosurgery</i> , 2010 , 112, 319-28	3.2	21
59	Tgf-beta regulation of suture morphogenesis and growth. <i>Frontiers of Oral Biology</i> , 2008 , 12, 178-196		21
58	Bioactive polyphenol antioxidants protect oral fibroblasts from ROS-inducing agents. <i>Archives of Oral Biology</i> , 2012 , 57, 1657-67	2.8	20
57	Osteoblasts responses to three-dimensional nanofibrous gelatin scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 3029-41	5.4	20
56	Biomechanical strain and morphologic changes with age in rat calvarial bone and sutures. <i>Plastic and Reconstructive Surgery</i> , 2007 , 119, 2167-2178	2.7	20
55	Impaired posterior frontal sutural fusion in the biglycan/decorin double deficient mice. <i>Bone</i> , 2007 , 40, 861-6	4.7	20
54	Cytokine therapy for craniosynostosis. <i>Expert Opinion on Biological Therapy</i> , 2004 , 4, 279-99	5.4	20
53	Increased Tgf-beta1 production by rat osteoblasts in the presence of PepGen P-15 in vitro. <i>Journal of Endodontics</i> , 2004 , 30, 213-7	4.7	20
52	Family with sequence similarity member 20C is the primary but not the only kinase for the small-integrin-binding ligand N-linked glycoproteins in bone. <i>FASEB Journal</i> , 2016 , 30, 121-8	0.9	19
51	Bone response to buccal tooth movements-with and without flapless alveolar decortication. <i>European Journal of Orthodontics</i> , 2014 , 36, 613-23	3.3	19
50	Genetic Factors Influencing Morphogenesis and Growth of Sutures and Synchondroses in the Craniofacial Complex. <i>Seminars in Orthodontics</i> , 2005 , 11, 199-208	1.2	18

49	The extracellular matrix environment in suture morphogenesis and growth. <i>Cells Tissues Organs</i> , 2005 , 181, 127-35	2.1	18
48	Capping a pulpotomy with calcium aluminosilicate cement: comparison to mineral trioxide aggregates. <i>Journal of Endodontics</i> , 2014 , 40, 1429-34	4.7	17
47	Comparison of Quick-Set and mineral trioxide aggregate root-end fillings for the regeneration of apical tissues in dogs. <i>Journal of Endodontics</i> , 2015 , 41, 248-52	4.7	17
46	Segmental intrusion with mini-screw implant anchorage: a radiographic evaluation. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2007 , 132, 576.e1-6	2.1	17
45	Bone generation in the reconstruction of a critical size calvarial defect in an experimental model. <i>Journal of Craniofacial Surgery</i> , 2008 , 19, 383-92	1.2	16
44	Antioxidant combinations protect oral fibroblasts against metal-induced toxicity. <i>Archives of Oral Biology</i> , 2013 , 58, 299-310	2.8	15
43	Biocompatibility and osteogenic potential of new generation endodontic materials established by using primary osteoblasts. <i>Journal of Endodontics</i> , 2011 , 37, 1166-70	4.7	15
42	Effect of force on alveolar bone surrounding miniscrew implants: a 3-dimensional microcomputed tomography study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2012 , 142, 32-44	2.1	14
41	Ephrin-B stimulation of calvarial bone formation. <i>Developmental Dynamics</i> , 2012 , 241, 1901-10	2.9	13
40	Bisphosphonates inhibit phosphorylation of signal transducer and activator of transcription 3 and expression of suppressor of cytokine signaling 3: implications for their effects on innate immune function and osteoclastogenesis. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2011 , 111, 126-34		13
39	Effects of recombinant human bone morphogenetic protein-2 on midsagittal sutural bone formation during expansion. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009 , 136, 768.e1-8; discussion 768-9	2.1	13
38	Editor's Summary and Q&A. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009 , 136, 768-769	2.1	13
37	Nasal capsular cartilage is required for rat transpalatal suture morphogenesis. <i>Differentiation</i> , 2003 , 71, 496-505	3.5	12
36	Animal Models of Craniosynostosis: Experimental, Congenital, and Transgenic Models 207-249		12
35	Appearance during chick embryogenesis of vitamin D-dependent calcium-binding protein (calbindin-D28K). <i>Bone and Mineral</i> , 1990 , 9, 1-8		11
34	Effects of micro-osteoperforations on tooth movement and bone in the beagle maxilla. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2019 , 155, 681-692	2.1	10
33	Miniscrew-assisted slow expansion of mature rabbit sutures. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016 , 150, 303-12	2.1	10
32	Recombinant human bone morphogenetic protein-2 stimulates bone formation during interfrontal suture expansion in rabbits. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013 , 144, 210-7	2.1	9

31	Three-dimensional evaluation of mandibular bone regenerated by bone transport distraction osteogenesis. <i>Calcified Tissue International</i> , 2011 , 89, 43-52	3.9	9
30	Norian craniofacial repair system: compatibility with resorbable and nonresorbable plating materials. <i>Plastic and Reconstructive Surgery</i> , 2007 , 120, 1487-1495	2.7	9
29	Histologic Assessment of Quick-Set and Mineral Trioxide Aggregate Pulpotomies in a Canine Model. <i>Journal of Endodontics</i> , 2015 , 41, 1626-30	4.7	8
28	Bone regeneration and docking site healing after bone transport distraction osteogenesis in the canine mandible. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012 , 70, 429-39	1.8	8
27	Architecture and microstructure of cortical bone in reconstructed canine mandibles after bone transport distraction osteogenesis. <i>Calcified Tissue International</i> , 2011 , 89, 379-88	3.9	8
26	Noncytoplasmic and filamentous appearance of calbindin-D28k and tubulin in double, indirect immunofluorescent staining of embryonic chick tissue. <i>Molecular and Cellular Endocrinology</i> , 1992 , 86, 83-91	4.4	8
25	Immunohistochemical localization of calbindins (28K and 9K) in the tissues of the baboon <i>Papio ursinus</i> . <i>The Anatomical Record</i> , 1990 , 228, 425-30		8
24	Histology of NeoMTA Plus and Quick-Set2 in Contact with Pulp and Periradicular Tissues in a Canine Model. <i>Journal of Endodontics</i> , 2018 , 44, 1389-1395	4.7	6
23	Biomechanical configurations of mandibular transport distraction osteogenesis devices. <i>Tissue Engineering - Part B: Reviews</i> , 2010 , 16, 273-83	7.9	6
22	Timing of Egf treatment differentially affects Tgf-beta2 induced cranial suture closure. <i>Experimental Biology and Medicine</i> , 2008 , 233, 1518-26	3.7	6
21	Molecular Studies of Craniosynostosis: Factors Affecting Cranial Suture Morphogenesis and Patency	4.95-5.17	6
20	Changes in parathyroid hormone-related protein and 3-dimensional trabecular bone structure of the mandibular condyle following mandibular distraction osteogenesis in growing rats. <i>Journal of Oral and Maxillofacial Surgery</i> , 2005 , 63, 505-12	1.8	6
19	Localizing the osseous boundaries of micro-osteoperforations. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2019 , 155, 779-790	2.1	5
18	Elastic Properties of Chimpanzee Craniofacial Cortical Bone. <i>Anatomical Record</i> , 2016 , 299, 1718-1733	2.1	5
17	Cranial Suture Obliteration is Induced By Removal of Transforming Growth Factor (TGF)-B3 Activity and Prevented By Removal of TGF-B2 Activity From Fetal Rat Calvaria In Vitro. <i>Journal of Craniofacial Surgery</i> , 2000 , 11, 204	1.2	5
16	Biomechanical characteristics of regenerated cortical bone in the canine mandible. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011 , 5, 551-9	4.4	4
15	Internal Bone Architecture in the Zygoma of Human and Pan. <i>Anatomical Record</i> , 2016 , 299, 1704-1717	2.1	4
14	Cranial sutures as intramembranous bone growth sites	2000, 219, 472	4

13	Changes in biomechanical strain and morphology of rat calvarial sutures and bone after Tgf- β inhibition of posterior interfrontal suture fusion. <i>Anatomical Record</i> , 2012 , 295, 928-38	2.1	3
12	Dentate transport discs can be used to reconstruct large segmental mandibular defects. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015 , 73, 745-58	1.8	2
11	Preclinical Evaluation of a Crown-Splinted Custom Root-Shaped Implant. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017 , 32, 1023-1032	2.8	2
10	The adult fruit bat (<i>Rousettus aegyptiacus</i>) expresses only calbindin-D9K (vitamin D-dependent calcium-binding protein) in its kidney. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990 , 97, 295-299		2
9	Transforming growth factor-beta 3(Tgf- β) in a collagen gel delays fusion of the rat posterior interfrontal suture in vivo 2002 , 267, 120		2
8	Vacuum-induced Suction Stimulates Increased Numbers of Blood Vessels in Healthy Dog Gingiva. <i>Wounds</i> , 2012 , 24, 99-109	0.8	2
7	Oral health assessment of independent elders in Texas. <i>Special Care in Dentistry</i> , 2019 , 39, 515-523	1.7	1
6	Osseointegration of dental implants placed into canine mandibular bone regenerated by bone transport distraction osteogenesis. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013 , 28, 677-86	2.8	1
5	A pilot histologic comparison of bone-to-implant contact between phosphate-coated and control titanium implants in the canine model. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014 , 29, 203-10	2.8	
4	Successful Research Teams: BMP Clinical Trials. <i>Journal of Oral and Maxillofacial Surgery</i> , 2008 , 66, 7	1.8	
3	Biomechanical characteristics of cortical bone regenerate after mandibular distraction osteogenesis in dogs. <i>FASEB Journal</i> , 2009 , 23, 650.3	0.9	
2	Translational Research, Technology Transfer and Small Business Grants [Alternate Funding Resources. <i>FASEB Journal</i> , 2010 , 24, 7.1	0.9	
1	Antioxidants Increased In Vitro Wound Healing of Nicotine-Treated Oral Fibroblasts. <i>FASEB Journal</i> , 2010 , 24, 181.2	0.9	