

Lynne A Opperman

List of Publications by Year in descending order

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104
papers

3,710
citations

136885

32
h-index

143943

57
g-index

104
all docs

104
docs citations

104
times ranked

3081
citing authors

#	ARTICLE	IF	CITATIONS
1	Cranial sutures as intramembranous bone growth sites. <i>Developmental Dynamics</i> , 2000, 219, 472-485.	0.8	541
2	Tissue interactions with underlying dura mater inhibit osseous obliteration of developing cranial sutures. <i>Developmental Dynamics</i> , 1993, 198, 312-322.	0.8	190
3	Cranial sutures require tissue interactions with dura mater to resist osseous obliteration in vitro. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 1978-1987.	3.1	169
4	TGF- β 1, TGF- β 2, and TGF- β 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, 301-310.	3.1	158
5	Histological and Scanning Electron Microscopy Assessment of Various Vital Pulp-Therapy Materials. <i>Journal of Endodontics</i> , 2003, 29, 324-333.	1.4	143
6	Survival of human periodontal ligament cells in media proposed for transport of avulsed teeth. <i>Dental Traumatology</i> , 2004, 20, 21-28.	0.8	133
7	Osteoblasts and MG-63 osteosarcoma cells behave differently when in contact with ProRoot [®] , [®] MTA and White MTA. <i>International Endodontic Journal</i> , 2003, 36, 564-570.	2.3	107
8	Transforming growth factor- β 2 and TGF- β 3 regulate fetal rat cranial suture morphogenesis by regulating rates of cell proliferation and apoptosis. <i>Developmental Dynamics</i> , 2000, 219, 237-247.	0.8	105
9	Dentinal Tubule Penetration of Tricalcium Silicate Sealers. <i>Journal of Endodontics</i> , 2016, 42, 632-636.	1.4	88
10	Tooth movements in foxhounds after one or two alveolar corticotomies. <i>European Journal of Orthodontics</i> , 2010, 32, 106-113.	1.1	70
11	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, 288A, 1042-1049.	2.0	66
12	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, 153-159.	0.8	65
13	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, 647-655.	0.8	64
14	The effects of bisphosphonates on osteoblasts in vitro. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008, 106, 5-13.	1.6	64
15	Effect of recombinant human bone morphogenetic protein-2 on bone regeneration and osseointegration of dental implants. <i>Clinical Oral Implants Research</i> , 2001, 12, 339-349.	1.9	58
16	In Vitro Evaluation of Dentinal Tubule Penetration and Biom mineralization Ability of a New Root-end Filling Material. <i>Journal of Endodontics</i> , 2012, 38, 1093-1096.	1.4	53
17	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.	0.7	51
18	Effect of storage media on human periodontal ligament cell apoptosis. <i>Dental Traumatology</i> , 2008, 24, 11-16.	0.8	51

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19	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, 643-654.	0.8	49
20	Rescue of coronal suture fusion using transforming growth factor-beta 3 (Tgf- β 3) in rabbits with delayed-onset craniosynostosis. <i>The Anatomical Record</i> , 2003, 274A, 962-971.	2.3	48
21	Transforming growth factor-beta 3(Tgf- β 3) in a collagen gel delays fusion of the rat posterior interfrontal suture in vivo. <i>The Anatomical Record</i> , 2002, 267, 120-130.	2.3	47
22	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, 275-279.	1.4	44
23	In the Absence of Periosteum, Transplanted Fetal and Neonatal Rat Coronal Sutures Resist Osseous Obliteration. <i>Journal of Craniofacial Surgery</i> , 1994, 5, 327-332.	0.3	42
24	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, 160-166.	0.8	42
25	Transforming Growth Factor- β 2 Isoform Expression in the Perisutural Tissues of Craniosynostotic Rabbits. <i>Cleft Palate-Craniofacial Journal</i> , 2004, 41, 392-402.	0.5	41
26	How does the amount of surgical insult affect bone around moving teeth?. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014, 145, S92-S99.	0.8	38
27	Anti-TGF- β 2 Antibody Therapy Inhibits Postoperative Resynostosis in Craniosynostotic Rabbits. <i>Plastic and Reconstructive Surgery</i> , 2007, 119, 1200-1212.	0.7	35
28	Bioactive antioxidant mixtures promote proliferation and migration on human oral fibroblasts. <i>Archives of Oral Biology</i> , 2011, 56, 812-822.	0.8	35
29	In Vitro Osteogenic/Dentinogenic Potential of an Experimental Calcium Aluminosilicate Cement. <i>Journal of Endodontics</i> , 2013, 39, 1161-1166.	1.4	35
30	The effect of force, timing, and location on bone-to-implant contact of miniscrew implants. <i>European Journal of Orthodontics</i> , 2009, 31, 232-240.	1.1	34
31	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, 331-337.	0.5	32
32	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.	0.5	32
33	Antioxidants Counteract Nicotine and Promote Migration via RacGTP in Oral Fibroblast Cells. <i>Journal of Periodontology</i> , 2010, 81, 1675-1690.	1.7	32
34	Comparative Analysis of Carrier-Based Obturation and Lateral Compaction: A Retrospective Clinical Outcomes Study. <i>International Journal of Dentistry</i> , 2012, 2012, 1-8.	0.5	32
35	Is there an optimal force level for sutural expansion?. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011, 139, 446-455.	0.8	31
36	Histologic evaluation of root response to intrusion in mandibular teeth in beagle dogs. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011, 139, 60-69.	0.8	29

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37	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.	0.5	27
38	Erk1/2 signaling is required for Tgf- β 2-induced suture closure. <i>Developmental Dynamics</i> , 2006, 235, 1292-1299.	0.8	27
39	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, 277-285.	0.5	27
40	Postoperative Anti-Tgf- β 2 Antibody Therapy Improves Intracranial Volume and Craniofacial Growth in Craniosynostotic Rabbits. <i>Journal of Craniofacial Surgery</i> , 2007, 18, 336-346.	0.3	26
41	Tgf- β 1; Regulation of Suture Morphogenesis and Growth. , 2008, 12, 178-196.		25
42	Cytokine therapy for craniosynostosis. <i>Expert Opinion on Biological Therapy</i> , 2004, 4, 279-299.	1.4	24
43	Impaired posterior frontal sutural fusion in the biglycan/decorin double deficient mice. <i>Bone</i> , 2007, 40, 861-866.	1.4	24
44	Cultured Primary Osteoblast Viability and Apoptosis in the Presence of Root Canal Sealers. <i>Journal of Endodontics</i> , 2004, 30, 527-533.	1.4	23
45	Reconstruction of Canine Mandibular Bone Defects Using a Bone Transport Reconstruction Plate. <i>Annals of Plastic Surgery</i> , 2009, 63, 441-448.	0.5	23
46	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, 319-328.	0.9	23
47	Increased Tgf- β 1 Production by Rat Osteoblasts in the Presence of PepGen P-15 in Vitro. <i>Journal of Endodontics</i> , 2004, 30, 213-217.	1.4	22
48	The Extracellular Matrix Environment in Suture Morphogenesis and Growth. <i>Cells Tissues Organs</i> , 2005, 181, 127-135.	1.3	22
49	Genetic Factors Influencing Morphogenesis and Growth of Sutures and Synchondroses in the Craniofacial Complex. <i>Seminars in Orthodontics</i> , 2005, 11, 199-208.	0.8	22
50	Biomechanical Strain and Morphologic Changes with Age in Rat Calvarial Bone and Sutures. <i>Plastic and Reconstructive Surgery</i> , 2007, 119, 2167-2178.	0.7	22
51	Bioactive polyphenol antioxidants protect oral fibroblasts from ROS-inducing agents. <i>Archives of Oral Biology</i> , 2012, 57, 1657-1667.	0.8	22
52	Bone response to buccal tooth movements with and without flapless alveolar decortication. <i>European Journal of Orthodontics</i> , 2014, 36, 613-623.	1.1	22
53	Capping a Pulpotomy with Calcium Aluminosilicate Cement: Comparison to Mineral Trioxide Aggregates. <i>Journal of Endodontics</i> , 2014, 40, 1429-1434.	1.4	22
54	Biocompatibility and Osteogenic Potential of New Generation Endodontic Materials Established by Using Primary Osteoblasts. <i>Journal of Endodontics</i> , 2011, 37, 1166-1170.	1.4	21

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55	Osteoblasts responses to three-dimensional nanofibrous gelatin scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 3029-3041.	2.1	21
56	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, 248-252.	1.4	21
57	Segmental intrusion with mini-screw implant anchorage: A radiographic evaluation. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2007, 132, 576.e1-576.e6.	0.8	20
58	Family with sequence similarity member 20C is the primary but not the only kinase for the small integrin-binding ligand-linked glycoproteins in bone. <i>FASEB Journal</i> , 2016, 30, 121-128.	0.2	20
59	Bone Generation in the Reconstruction of a Critical Size Calvarial Defect in an Experimental Model. <i>Journal of Craniofacial Surgery</i> , 2008, 19, 383-392.	0.3	17
60	Ephrin stimulation of calvarial bone formation. <i>Developmental Dynamics</i> , 2012, 241, 1901-1910.	0.8	17
61	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.	0.8	17
62	Antioxidant combinations protect oral fibroblasts against metal-induced toxicity. <i>Archives of Oral Biology</i> , 2013, 58, 299-310.	0.8	17
63	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.	0.8	16
64	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.e1-768.e8.	0.8	14
65	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, 196-204.	1.6	14
66	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, 210-217.	0.8	14
67	Animal Models of Craniosynostosis: Experimental, Congenital, and Transgenic Models. , 0, , 207-249.		13
68	Editor's Summary and Q&A. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009, 136, 768-769.	0.8	13
69	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.	1.4	13
70	Nasal capsular cartilage is required for rat transpalatal suture morphogenesis. <i>Differentiation</i> , 2003, 71, 496-505.	1.0	12
71	Miniscrew-assisted slow expansion of mature rabbit sutures. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016, 150, 303-312.	0.8	12
72	Appearance during chick embryogenesis of vitamin D-dependent calcium-binding protein (calbindin-D28K). <i>Bone and Mineral</i> , 1990, 9, 1-8.	2.0	11

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73	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.	1.6	10
74	Norian Craniofacial Repair System: Compatibility with Resorbable and Nonresorbable Plating Materials. <i>Plastic and Reconstructive Surgery</i> , 2007, 120, 1487-1495.	0.7	10
75	Three-Dimensional Evaluation of Mandibular Bone Regenerated By Bone Transport Distraction Osteogenesis. <i>Calcified Tissue International</i> , 2011, 89, 43-52.	1.5	10
76	Architecture and Microstructure of Cortical Bone in Reconstructed Canine Mandibles After Bone Transport Distraction Osteogenesis. <i>Calcified Tissue International</i> , 2011, 89, 379-388.	1.5	10
77	Histologic Assessment of Quick-Set and Mineral Trioxide Aggregate Pulpotomies in a Canine Model. <i>Journal of Endodontics</i> , 2015, 41, 1626-1630.	1.4	10
78	Biomechanical Configurations of Mandibular Transport Distraction Osteogenesis Devices. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 273-283.	2.5	9
79	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, 429-439.	0.5	9
80	Immunohistochemical localization of calbindins (28K and 9K) in the tissues of the baboon <i>Papio ursinus</i> . <i>The Anatomical Record</i> , 1990, 228, 425-430.	2.3	8
81	Molecular Studies of Craniosynostosis: Factors Affecting Cranial Suture Morphogenesis and Patency. <i>Journal of Craniofacial Surgery</i> , 2000, 12, 495-517.		7
82	Elastic Properties of Chimpanzee Craniofacial Cortical Bone. <i>Anatomical Record</i> , 2016, 299, 1718-1733.	0.8	7
83	Localizing the osseous boundaries of micro-osteoperforations. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2019, 155, 779-790.	0.8	7
84	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, 505-512.	0.5	6
85	Timing of Egf Treatment Differentially Affects Tgf- β 2 Induced Cranial Suture Closure. <i>Experimental Biology and Medicine</i> , 2008, 233, 1518-1526.	1.1	6
86	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.	0.3	5
87	Biomechanical characteristics of regenerated cortical bone in the canine mandible. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, 551-559.	1.3	5
88	Internal Bone Architecture in the Zygoma of Human and <i>Pan</i> . <i>Anatomical Record</i> , 2016, 299, 1704-1717.	0.8	5
89	Changes in Biomechanical Strain and Morphology of Rat Calvarial Sutures and Bone After Tgf- β 3 Inhibition of Posterior Interfrontal Suture Fusion. <i>Anatomical Record</i> , 2012, 295, 928-938.	0.8	4
90	Preclinical Evaluation of a Crown-Splinted Custom Root-Shaped Implant. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, 1023-1032.	0.6	4

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91	Cranial sutures as intramembranous bone growth sites. , 2000, 219, 472.		4
92	Dentate Transport Discs Can Be Used to Reconstruct Large Segmental Mandibular Defects. Journal of Oral and Maxillofacial Surgery, 2015, 73, 745-758.	0.5	3
93	Oral health assessment of independent elders in Texas. Special Care in Dentistry, 2019, 39, 515-523.	0.4	3
94	The adult fruit bat (<i>Rousettus aegyptiacus</i>) expresses only calbindin-D9K (vitamin D-dependent) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Biochemistry, 1990, 97, 295-299.	0.2	2
95	Osseointegration of Dental Implants Placed into Canine Mandibular Bone Regenerated by Bone Transport Distraction Osteogenesis. International Journal of Oral and Maxillofacial Implants, 2013, 28, 677-686.	0.6	2
96	Transforming growth factorâ€beta 3(Tgfâ€³) in a collagen gel delays fusion of the rat posterior interfrontal suture in vivo. The Anatomical Record, 2002, 267, 120-130.	2.3	2
97	Vacuum-induced Suction Stimulates Increased Numbers of Blood Vessels in Healthy Dog Gingiva. Wounds, 2012, 24, 99-109.	0.2	2
98	Successful Research Teams: BMP Clinical Trials. Journal of Oral and Maxillofacial Surgery, 2008, 66, 7.	0.5	0
99	Biomechanics of the Canine Mandible During Bone Transport Distraction Osteogenesis. Journal of Biomechanical Engineering, 2014, 136, .	0.6	0
100	In Vitro Mechanical Evaluation of Mandibular Bone Transport Devices. Journal of Medical Devices, Transactions of the ASME, 2014, 8, .	0.4	0
101	A Pilot Histologic Comparison of Bone-to-Implant Contact Between Phosphate-Coated and Control Titanium Implants in the Canine Model. International Journal of Oral and Maxillofacial Implants, 2014, 29, 203-210.	0.6	0
102	Biomechanical characteristics of cortical bone regenerate after mandibular distraction osteogenesis in dogs. FASEB Journal, 2009, 23, 650.3.	0.2	0
103	Translational Research, Technology Transfer and Small Business Grants â€“ Alternate Funding Resources. FASEB Journal, 2010, 24, 7.1.	0.2	0
104	Antioxidants Increased In Vitro Wound Healing of Nicotineâ€Treated Oral Fibroblasts. FASEB Journal, 2010, 24, 181.2.	0.2	0