Michael T Longaker

List of Publications by Year
in descending order

875	55,069	997 114	2509 196
papers	citations	h-index	g-index

934	934	934	44819
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wound repair and regeneration. Nature, 2008, 453, 314-321.	27.8	4,690
2	Human skin wounds: A major and snowballing threat to public health and the economy. Wound Repair and Regeneration, 2009, 17, 763-771.	3.0	2,277
3	Adipose-derived adult stromal cells heal critical-size mouse calvarial defects. Nature Biotechnology, 2004, 22, 560-567.	17.5	842
4	A nonviral minicircle vector for deriving human iPS cells. Nature Methods, 2010, 7, 197-199.	19.0	658
5	Human melanoma-initiating cells express neural crest nerve growth factor receptor CD271. Nature, 2010, 466, 133-137.	27.8	657
6	Regulation of Vascular Endothelial Growth Factor Expression in Cultured Keratinocytes.. Journal of Biological Chemistry, 1995, 270, 12607-12613.	3.4	627
7	Patient-Specific Induced Pluripotent Stem Cells as a Model for Familial Dilated Cardiomyopathy. Science Translational Medicine, 2012, 4, 130ra47.	12.4	590
8	Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells. Cell Stem Cell, 2013, 12, 101-113.	11.1	584
9	Identification and Specification of the Mouse Skeletal Stem Cell. Cell, 2015, 160, 285-298.	28.9	571
10	Gene Expression Programs in Response to Hypoxia: Cell Type Specificity and Prognostic Significance in Human Cancers. PLoS Medicine, 2006, 3, e47.	8.4	536
11	Identification and isolation of a dermal lineage with intrinsic fibrogenic potential. Science, 2015, 348, aaa2151.	12.6	520
12	Feeder-free derivation of induced pluripotent stem cells from adult human adipose stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15720-15725.	7.1	468
13	Mechanisms of bone development and repair. Nature Reviews Molecular Cell Biology, 2020, 21, 696-711.	37.0	433
14	Identification of the Human Skeletal Stem Cell. Cell, 2018, 175, 43-56.e21.	28.9	425
15	Mechanical load initiates hypertrophic scar formation through decreased cellular apoptosis. FASEB Journal, 2007, 21, 3250-3261.	0.5	422
16	Focal adhesion kinase links mechanical force to skin fibrosis via inflammatory signaling. Nature Medicine, 2012, 18, 148-152.	30.7	391
17	Scarless Fetal Wound Healing: A Basic Science Review. Plastic and Reconstructive Surgery, 2010, 126, 1172-1180.	1.4	374
18	Germ-layer and lineage-restricted stem/progenitors regenerate the mouse digit tip. Nature, 2011, 476, 409-413.	27.8	350

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19	Enhancement of mesenchymal stem cell angiogenic capacity and stemness by a biomimetic hydrogel scaffold. Biomaterials, 2012, 33, 80-90.	11.4	340
20	Studies in fetal wound healing VI. Second and early third trimester fetal wounds demonstrate rapid collagen deposition without scar formation. Journal of Pediatric Surgery, 1990, 25, 63-69.	1.6	322
21	Studies in Fetal Wound Healing V. A Prolonged Presence of Hyaluronic Acid Characterizes Fetal Wound Fluid. Annals of Surgery, 1991, 213, 292-296.	4.2	294
22	The BMP antagonist noggin regulates cranial suture fusion. Nature, 2003, 422, 625-629.	27.8	293
23	Successful Repair in Utero of a Fetal Diaphragmatic Hernia after Removal of Herniated Viscera from the Left Thorax. New England Journal of Medicine, 1990, 322, 1582-1584.	27.0	292
24	Distraction Osteogenesis of the Craniofacial Skeleton. Plastic and Reconstructive Surgery, 2001, 107, 1812-1824.	1.4	269
25	Preventing Engrailed-1 activation in fibroblasts yields wound regeneration without scarring. Science, 2021, 372, .	12.6	269
26	Current Progress in Keloid Research and Treatment. Journal of the American College of Surgeons, 2008, 206, 731-741.	0.5	267
27	Hypoxia and VEGF Up-Regulate BMP-2 mRNA and Protein Expression in Microvascular Endothelial Cells: Implications for Fracture Healing. Plastic and Reconstructive Surgery, 2002, 109, 2384-2397.	1.4	263
28	Flexor tendon healing in vitro: Effects of TGF-Î² on tendon cell collagen production. Journal of Hand Surgery, 2002, 27, 615-620.	1.6	263
29	Fetal Wound Healing: Current Biology. World Journal of Surgery, 2003, 27, 54-61.	1.6	263
30	The Role of Hypoxia-Inducible Factor in Wound Healing. Advances in Wound Care, 2014, 3, 390-399.	5.1	257
31	Human Adipose Derived Stromal Cells Heal Critical Size Mouse Calvarial Defects. PLoS ONE, 2010, 5, e11177.	2.5	255
32	Hypertrophic Scar Formation Following Burns and Trauma: New Approaches to Treatment. PLoS Medicine, 2007, 4, e234.	8.4	252
33	Tissue Inhibitor of Metalloproteinases-1 Is Decreased and Activated Gelatinases Are Increased in Chronic Wounds. Journal of Investigative Dermatology, 1995, 104, 236-240.	0.7	244
34	Induction of Keratinocyte Growth Factor Expression Is reduced and Delayed During Wound Healing in the Genetically Diabetic Mouse. Journal of Investigative Dermatology, 1994, 103, 469-473.	0.7	240
35	Studies in Flexor Tendon Wound Healing: Neutralizing Antibody to TGF-Î²1 Increases Postoperative Range of Motion. Plastic and Reconstructive Surgery, 2000, 105, 148-155.	1.4	238
36	Primary fetal hydrothorax: Natural history and management. Journal of Pediatric Surgery, 1989, 24, 573-576.	1.6	237

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37	Improving Cutaneous Scar Formation by Controlling the Mechanical Environment. Annals of Surgery, 2011, 254, 217-225.	4.2	218
38	Fetal intervention in obstructive uropathy: Prognosticindicators and efficacy of intervention. American Journal of Obstetrics and Gynecology, 1990, 162, 1239-1244.	1.3	215
39	Nanotechnology in bone tissue engineering. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1253-1263.	3.3	212
40	Adult Skin Wounds in the Fetal Environment Heal with Scar Formation. Annals of Surgery, 1994, 219, 65-72.	4.2	210
41	Angiogenesis Is Required for Successful Bone Induction During Distraction Osteogenesis. Journal of Bone and Mineral Research, 2005, 20, 1114-1124.	2.8	210
42	Transient Changes in Oxygen Tension Inhibit Osteogenic Differentiation and Runx2 Expression in Osteoblasts. Journal of Biological Chemistry, 2004, 279, 40007-40016.	3.4	209
43	Reduced Expression of PDGF and PDGF Receptors During Impaired Wound Healing. Journal of Investigative Dermatology, 1997, 109, 132-138.	0.7	207
44	Epigenetic and in vivo comparison of diverse MSC sources reveals an endochondral signature for human hematopoietic niche formation. Blood, 2015, 125, 249-260.	1.4	201
45	InÂVivo Clonal Analysis Reveals Lineage-Restricted Progenitor Characteristics in Mammalian Kidney Development, Maintenance, and Regeneration. Cell Reports, 2014, 7, 1270-1283.	6.4	199
46	Articular cartilage regeneration by activated skeletal stem cells. Nature Medicine, 2020, 26, 1583-1592.	30.7	194
47	Etiology of intestinal damage in gastroschisis. I: Effects of amniotic fluid exposure and bowel constriction in a fetal lamb model. Journal of Pediatric Surgery, 1989, 24, 992-997.	1.6	193
48	Generation of adult human induced pluripotent stem cells using nonviral minicircle DNA vectors. Nature Protocols, 2011, 6, 78-88.	12.0	191
49	Cranial Sutures: A Brief Review. Plastic and Reconstructive Surgery, 2008, 121, 170e-178e.	1.4	188
50	Cutaneous Scarring: Basic Science, Current Treatments, and Future Directions. Advances in Wound Care, 2018, 7, 29-45.	5.1	188
51	Heterogeneity in old fibroblasts is linked to variability in reprogramming and wound healing. Nature, 2019, 574, 553-558.	27.8	187
52	Wound Healing Is Accelerated by Agonists of Adenosine A2 (GÎ±s-linked) Receptors. Journal of Experimental Medicine, 1997, 186, 1615-1620.	8.5	183
53	Innovation in Surgery. Annals of Surgery, 2006, 244, 686-693.	4.2	181
54	Hif-1Î± regulates differentiation of limb bud mesenchyme and joint development. Journal of Cell Biology, 2007, 177, 451-464.	5.2	181

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55	Differential Expression of Transforming Growth Factor-Î² Receptors I and II and Activation of Smad 3 in Keloid Fibroblasts. Plastic and Reconstructive Surgery, 2001, 108, 423-429.	1.4	177
56	Concise Review: Adipose-Derived Stromal Cells for Skeletal Regenerative Medicine. Stem Cells, 2011, 29, 576-582.	3.2	176
57	Pushing Back: Wound Mechanotransduction in Repair and Regeneration. Journal of Investigative Dermatology, 2011, 131, 2186-2196.	0.7	175
58	VEGF expression in an osteoblast-like cell line is regulated by a hypoxia response mechanism. American Journal of Physiology - Cell Physiology, 2000, 278, C853-C860.	4.6	172
59	Gene Expression of Transforming Growth Factor Beta-1 in Rabbit Zone II Flexor Tendon Wound Healing: Evidence for Dual Mechanisms of Repair. Plastic and Reconstructive Surgery, 1997, 100, 937-944.	1.4	172
60	Bone Morphogenetic Protein 2 and Retinoic Acid Accelerate in Vivo Bone Formation, Osteoclast Recruitment, and Bone Turnover. Tissue Engineering, 2005, 11, 645-658.	4.6	168
61	Differential Expression of Fibromodulin, a Transforming Growth Factor-Î² Modulator, in Fetal Skin Development and Scarless Repair. American Journal of Pathology, 2000, 157, 423-433.	3.8	166
62	Management of Chronic Woundsâ€”2018. JAMA - Journal of the American Medical Association, 2018, 320, 1481.	7.4	166
63	Scar Formation: The Spectral Nature of Fetal and Adult Wound Repair. Plastic and Reconstructive Surgery, 1996, 97, 854-860.	1.4	163
64	Differential Expression of Matrix Metalloproteinases and Their Tissue-Derived Inhibitors in Cutaneous Wound Repair. Plastic and Reconstructive Surgery, 2000, 105, 638-647.	1.4	163
65	The Biology of Fetal Wound Healing. Plastic and Reconstructive Surgery, 1991, 87, 788-798.	1.4	160
66	Fibroblasts and wound healing: an update. Regenerative Medicine, 2018, 13, 491-495.	1.7	160
67	Review of the Current Management of Pressure Ulcers. Advances in Wound Care, 2018, 7, 57-67.	5.1	158
68	Mechanotransduction and fibrosis. Journal of Biomechanics, 2014, 47, 1997-2005.	2.1	157
69	Fetal Wound Healing The Ontogeny of Scar Formation in the Non-Human Primate. Annals of Surgery, 1993, 217, 391-396.	4.2	155
70	Scarless wound healing: finding the right cells and signals. Cell and Tissue Research, 2016, 365, 483-493.	2.9	155
71	Fetal hydrops and death from sacrococcygeal teratoma: Rationale for fetal surgery. American Journal of Obstetrics and Gynecology, 1989, 160, 1145-1150.	1.3	153
72	Mesenchymal Stromal Cells and Cutaneous Wound Healing: A Comprehensive Review of the Background, Role, and Therapeutic Potential. Stem Cells International, 2018, 2018, 1-13.	2.5	153

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73	Transforming growth factor-Î²1 modulates the expression of vascular endothelial growth factor by osteoblasts. American Journal of Physiology - Cell Physiology, 1999, 277, C628-C637.	4.6	151
74	Mechanical Forces in Cutaneous Wound Healing: Emerging Therapies to Minimize Scar Formation. Advances in Wound Care, 2018, 7, 47-56.	5.1	150
75	Downregulation of Apoptosis-Related Genes in Keloid Tissues. Journal of Surgical Research, 1999, 87, 209-216.	1.6	149
76	The fibroblast-populated collagen matrix as a model of wound healing: a review of the evidence. Wound Repair and Regeneration, 2004, 12, 134-147.	3.0	148
77	Transplanted terminally differentiated induced pluripotent stem cells are accepted by immune mechanisms similar to self-tolerance. Nature Communications, 2014, 5, 3903.	12.8	148
78	Human NELL-1 Expressed in Unilateral Coronal Synostosis. Journal of Bone and Mineral Research, 1999, 14, 80-89.	2.8	146
79	The Effects of Ionizing Radiation on Osteoblast-Like Cells in Vitro. Plastic and Reconstructive Surgery, 2000, 106, 1049-1061.	1.4	145
80	CD105 Protein Depletion Enhances Human Adipose-derived Stromal Cell Osteogenesis through Reduction of Transforming Growth Factor Î²1 (TGF-Î²1) Signaling. Journal of Biological Chemistry, 2011, 286, 39497-39509.	3.4	144
81	Progress and Potential for Regenerative Medicine. Annual Review of Medicine, 2007, 58, 299-312.	12.2	143
82	A Revised Perspective of Skeletal Stem Cell Biology. Frontiers in Cell and Developmental Biology, 2019, 7, 189.	3.7	143
83	Aged skeletal stem cells generate an inflammatory degenerative niche. Nature, 2021, 597, 256-262.	27.8	143
84	Engineered Pullulanâ€“Collagen Composite Dermal Hydrogels Improve Early Cutaneous Wound Healing. Tissue Engineering - Part A, 2011, 17, 631-644.	3.1	142
85	Hydrostatic Pressure Enhances Chondrogenic Differentiation of Human Bone Marrow Stromal Cells in Osteochondrogenic Medium. Annals of Biomedical Engineering, 2008, 36, 813-820.	2.5	141
86	Molecular studies in flexor tendon wound healing: The role of basic fibroblast growth factor gene expression. Journal of Hand Surgery, 1998, 23, 1052-1058.	1.6	140
87	Tissue Engineering and Regenerative Repair in Wound Healing. Annals of Biomedical Engineering, 2014, 42, 1494-1507.	2.5	140
88	Fibroblast Response to Hypoxia: The Relationship between Angiogenesis and Matrix Regulation. Journal of Surgical Research, 1999, 84, 127-133.	1.6	138
89	Noggin Suppression Enhances in Vitro Osteogenesis and Accelerates in Vivo Bone Formation. Journal of Biological Chemistry, 2007, 282, 26450-26459.	3.4	138
90	Origin matters: Differences in embryonic tissue origin and Wnt signaling determine the osteogenic potential and healing capacity of frontal and parietal calvarial bones. Journal of Bone and Mineral Research, 2010, 25, 1680-1694.	2.8	137

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91	The Foreign Body Response. Plastic and Reconstructive Surgery, 2015, 135, 1489-1498.	1.4	135
92	Connective Tissue Growth Factorâ€“Specific Monoclonal Antibody Therapy Inhibits Pancreatic Tumor Growth and Metastasis. Cancer Research, 2006, 66, 5816-5827.	0.9	134
93	Wound size and gestational age modulate scar formation in fetal wound repair. Journal of Pediatric Surgery, 1997, 32, 411-415.	1.6	133
94	Studies in Cranial Suture Biology: Regional Dura Mater Determines Overlying Suture Biology. Plastic and Reconstructive Surgery, 1998, 101, 1441-1447.	1.4	133
95	Early experience with open fetal surgery for congenital hydronephrosis. Journal of Pediatric Surgery, 1988, 23, 1114-1121.	1.6	132
96	Sonic Hedgehog Influences the Balance of Osteogenesis and Adipogenesis in Mouse Adipose-Derived Stromal Cells. Tissue Engineering - Part A, 2010, 16, 2605-2616.	3.1	132
97	Craniosynostosis in transgenic mice overexpressing Nell-1. Journal of Clinical Investigation, 2002, 110, 861-870.	8.2	132
98	Fibrotic healing of adult and late gestation fetal wounds correlates with increased hyaluronidase activity and removal of hyaluronan. International Journal of Biochemistry and Cell Biology, 1997, 29, 201-210.	2.8	131
99	IFATS Collection: Adipose Stromal Cells Adopt a Proangiogenic Phenotype Under the Influence of Hypoxia. Stem Cells, 2009, 27, 266-274.	3.2	131
100	Osteogenic differentiation of mouse adipose-derived adult stromal cells requires retinoic acid and bone morphogenetic protein receptor type IB signaling. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12335-12340.	7.1	130
101	Basic Science Review on Adipose Tissue for Clinicians. Plastic and Reconstructive Surgery, 2010, 126, 1936-1946.	1.4	129
102	Hypertrophic Scar Fibroblasts Have Increased Connective Tissue Growth Factor Expression after Transforming Growth Factor-?? Stimulation. Plastic and Reconstructive Surgery, 2005, 116, 1387-1390.	1.4	128
103	Locally Applied Vascular Endothelial Growth Factor A Increases the Osteogenic Healing Capacity of Human Adipose-Derived Stem Cells by Promoting Osteogenic and Endothelial Differentiation. Stem Cells, 2011, 29, 286-296.	3.2	127
104	Applications of a Mouse Model of Calvarial Healing: Differences in Regenerative Abilities of Juveniles and Adults. Plastic and Reconstructive Surgery, 2004, 114, 713-720.	1.4	126
105	Chemical rescue of cleft palate and midline defects in conditional GSK-3Î² mice. Nature, 2007, 446, 79-82.	27.8	126
106	Major Deficit in the Number of Underrepresented Minority Academic Surgeons Persists. Annals of Surgery, 2008, 248, 704-709.	4.2	126
107	Studies in Fat Grafting. Plastic and Reconstructive Surgery, 2014, 134, 249-257.	1.4	126
108	Immunolocalization of Transforming Growth Factor Î²1, Î²2, and Î²3 and Insulin-Like Growth Factor I in Premature Cranial Suture Fusion. Plastic and Reconstructive Surgery, 1997, 99, 300-309.	1.4	123

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109	Studies in Cranial Suture Biology: Part I. Increased Immunoreactivity for TGF-Î²2 Isoforms (Î²1, Î²2, and Î²3) During Rat Cranial Suture Fusion. Journal of Bone and Mineral Research, 1997, 12, 311-321.	2.8	122
110	Mitogenic and chondrogenic effects of fibroblast growth factor-2 in adipose-derived mesenchymal cells. Biochemical and Biophysical Research Communications, 2006, 343, 644-652.	2.1	122
111	Fgf-9 is required for angiogenesis and osteogenesis in long bone repair. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11853-11858.	7.1	122
112	Studies in fetal wound healing, VII. Fetal wound healing may be modulated by hyaluronic acid stimulating activity in amniotic fluid. Journal of Pediatric Surgery, 1990, 25, 430-433.	1.6	121
113	CD90 (Thy-1)-Positive Selection Enhances Osteogenic Capacity of Human Adipose-Derived Stromal Cells. Tissue Engineering - Part A, 2013, 19, 989-997.	3.1	121
114	Mechanoresponsive stem cells acquire neural crest fate in jaw regeneration. Nature, 2018, 563, 514-521.	27.8	121
115	Rat Mandibular Distraction Osteogenesis: II. Molecular Analysis of Transforming Growth Factor Beta-1 and Osteocalcin Gene Expression. Plastic and Reconstructive Surgery, 1999, 103, 536-547.	1.4	120
116	The Osteogenic Potential of Adipose-Derived Mesenchymal Cells Is Maintained with Aging. Plastic and Reconstructive Surgery, 2005, 116, 1686-1696.	1.4	120
117	Etiology of intestinal damage in gastroschisis, II. Timing and reversibility of histological changes, mucosal function, and contractility. Journal of Pediatric Surgery, 1990, 25, 1122-1126.	1.6	118
118	Studies in Fetal Wound Healing IV. Hyaluronic Acid-Stimulating Activity Distinguishes Fetal Wound Fluid from Adult Wound Fluid. Annals of Surgery, 1989, 210, 667-672.	4.2	117
119	In VitroExpansion of Adipose-Derived Adult Stromal Cells in Hypoxia Enhances Early Chondrogenesis. Tissue Engineering, 2007, 13, 2981-2993.	4.6	117
120	In vivo directed differentiation of pluripotent stem cells for skeletal regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20379-20384.	7.1	116
121	Clonal precursor of bone, cartilage, and hematopoietic niche stromal cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12643-12648.	7.1	116
122	Scarless Wound Healing. Plastic and Reconstructive Surgery, 2015, 135, 907-917.	1.4	116
123	Scarless Fetal Healing Therapeutic Implications. Annals of Surgery, 1992, 215, 3-30.	4.2	115
124	Ontogenetic Transition in Fetal Wound Transforming Growth Factor-Î²2 Regulation Correlates with Collagen Organization. American Journal of Pathology, 2003, 163, 2459-2476.	3.8	114
125	Auricular Reconstruction: Indications for Autogenous and Prosthetic Techniques. Plastic and Reconstructive Surgery, 2001, 107, 1241-1251.	1.4	112
126	Scarless fetal skin wound healing update. Birth Defects Research Part C: Embryo Today Reviews, 2012, 96, 237-247.	3.6	112

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127	Human iPS cell-based therapy: Considerations before clinical applications. Cell Cycle, 2010, 9, 880-885.	2.6	111
128	FGF-2 Inhibits Osteogenesis in Mouse Adipose Tissue-Derived Stromal Cells and Sustains their Proliferative and Osteogenic Potential State. Tissue Engineering, 2006, 12, 1405-1418.	4.6	110
129	Stem Cells in Bone Regeneration. Stem Cell Reviews and Reports, 2016, 12, 524-529.	5.6	110
130	Hyaluronan and wound healing: a new perspective. Journal of Plastic, Reconstructive and Aesthetic Surgery, 1991, 44, 579-584.	1.1	108
131	Investigation of the Influence of Keloid-Derived Keratinocytes on Fibroblast Growth and Proliferation in Vitro. Plastic and Reconstructive Surgery, 2001, 107, 797-808.	1.4	108
132	Transforming Growth Factor Beta Superfamily Members: Role in Cartilage Modeling. Plastic and Reconstructive Surgery, 2000, 105, 980-990.	1.4	107
133	Hypoxia Regulates VEGF Expression and Cellular Proliferation by Osteoblasts in Vitro. Plastic and Reconstructive Surgery, 1999, 104, 738-747.	1.4	106
134	Microfluidic Single-Cell Analysis Shows That Porcine Induced Pluripotent Stem Cellâ€“Derived Endothelial Cells Improve Myocardial Function by Paracrine Activation. Circulation Research, 2012, 111, 882-893.	4.5	106
135	Studies in Cranial Suture Biology: Part II. Role of the Dura in Cranial Suture Fusion. Plastic and Reconstructive Surgery, 1996, 97, 693-699.	1.4	105
136	Studies in Cranial Suture Biology: Up-Regulation of Transforming Growth Factor-Î²1 and Basic Fibroblast Growth Factor mRNA Correlates with Posterior Frontal Cranial Suture Fusion in the Rat. Plastic and Reconstructive Surgery, 1998, 101, 1431-1440.	1.4	104
137	Mechanical force prolongs acute inflammationviaTâ€cellâ€dependent pathways during scar formation. FASEB Journal, 2011, 25, 4498-4510.	0.5	104
138	Studies in Fat Grafting. Plastic and Reconstructive Surgery, 2015, 136, 67-75.	1.4	103
139	Osteogenesis in Cranial Defects: Reassessment of the Concept of Critical Size and the Expression of TGF-Î² Isoforms. Plastic and Reconstructive Surgery, 2000, 106, 360-371.	1.4	102
140	In Vivo Modulation of FGF Biological Activity Alters Cranial Suture Fate. American Journal of Pathology, 2001, 158, 441-452.	3.8	102
141	Cranial Suture Biology. Current Topics in Developmental Biology, 2005, 66, 287-328.	2.2	102
142	Calcium-Based Nanoparticles Accelerate Skin Wound Healing. PLoS ONE, 2011, 6, e27106.	2.5	102
143	Soft tissue mechanotransduction in wound healing and fibrosis. Seminars in Cell and Developmental Biology, 2012, 23, 981-986.	5.0	102
144	Microsurgical Correction of Facial Asymmetry in 60 Consecutive Cases. Plastic and Reconstructive Surgery, 1996, 97, 354-363.	1.4	101

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145	Understanding the impact of fibroblast heterogeneity on skin fibrosis. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	101
146	Capillary Force Seeding of Hydrogels for Adipose-Derived Stem Cell Delivery in Wounds. Stem Cells Translational Medicine, 2014, 3, 1079-1089.	3.3	100
147	Microsurgical Correction of Facial Contour in Congenital Craniofacial Malformations: The Marriage of Hard and Soft Tissue. Plastic and Reconstructive Surgery, 1996, 98, 942-950.	1.4	99
148	Expression of Bone Morphogenetic Proteins during Membranous Bone Healing. Plastic and Reconstructive Surgery, 2001, 107, 124-134.	1.4	98
149	Sox9 neural crest determinant gene controls patterning and closure of the posterior frontal cranial suture. Developmental Biology, 2005, 280, 344-361.	2.0	97
150	Paracrine Mechanism of Angiogenesis in Adipose-Derived Stem Cell Transplantation. Annals of Plastic Surgery, 2014, 72, 234-241.	0.9	97
151	Studies in Cranial Suture Biology: Regional Dura Mater Determines in Vitro Cranial Suture Fusion. Plastic and Reconstructive Surgery, 1997, 100, 1091-1099.	1.4	96
152	Biomolecular Mechanisms of Calvarial Bone Induction: Immature versus Mature Dura Mater. Plastic and Reconstructive Surgery, 2000, 105, 1382-1392.	1.4	95
153	Regulation of Human Adipose-Derived Stromal Cell Osteogenic Differentiation by Insulin-Like Growth Factor-1 and Platelet-Derived Growth Factor-Î±. Plastic and Reconstructive Surgery, 2010, 126, 41-52.	1.4	95
154	Rat Mandibular Distraction Osteogenesis: Part I. Histologic and Radiographic Analysis. Plastic and Reconstructive Surgery, 1998, 102, 2022-2032.	1.4	94
155	Autologous Fat Grafting: The Science Behind the Surgery. Aesthetic Surgery Journal, 2016, 36, 488-496.	1.6	94
156	Immunclocalization of Basic Fibroblast Growth Factor and Fibroblast Growth Factor Receptor-1 and Receptor-2 in Rat Cranial Sutures. Plastic and Reconstructive Surgery, 1998, 102, 1805-1817.	1.4	93
157	Complex epithelial-mesenchymal interactions modulate transforming growth factor-beta expression in keloid-derived cells. Wound Repair and Regeneration, 2004, 12, 546-556.	3.0	93
158	Tracking the Elusive Fibrocyte: Identification and Characterization of Collagenâ€Producing Hematopoietic Lineage Cells During Murine Wound Healing. Stem Cells, 2014, 32, 1347-1360.	3.2	93
159	Identification and characterization of an injury-induced skeletal progenitor. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9920-9925.	7.1	93
160	Isotretinoin and Timing of Procedural Interventions. JAMA Dermatology, 2017, 153, 802.	4.1	93
161	Dura Mater Stimulates Human Adipose-Derived Stromal Cells to Undergo Bone Formation in Mouse Calvarial Defects. Stem Cells, 2011, 29, 1241-1255.	3.2	92
162	Studies in fetal wound healing: I. A factor in fetal serum that stimulates deposition of hyaluronic acid. Journal of Pediatric Surgery, 1989, 24, 789-792.	1.6	91

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163	Ontogeny of Expression of Transforming Growth Factor-Î²1 (TGF-Î²1), TGF-Î²3, and TGF-Î² Receptors I and II in Fetal Rat Fibroblasts and Skin. Plastic and Reconstructive Surgery, 2001, 107, 1787-1794.	1.4	91
164	Aging and Diabetes Impair the Neovascular Potential of Adipose-Derived Stromal Cells. Plastic and Reconstructive Surgery, 2009, 123, 475-485.	1.4	91
165	In vitro effects of direct current electric fields on adipose-derived stromal cells. Biochemical and Biophysical Research Communications, 2010, 397, 12-17.	2.1	91
166	Scarless wound healing: Transitioning from fetal research to regenerative healing. Wiley Interdisciplinary Reviews: Developmental Biology, 2018, 7, e309.	5.9	91
167	Fetal diaphragmatic wounds heal with scar formation. Journal of Surgical Research, 1991, 50, 375-385.	1.6	90
168	Chapter 6 Fetal Skin Wound Healing. Advances in Clinical Chemistry, 2009, 48, 137-161.	3.7	90
169	Regional Differentiation of Cranial Suture-Associated Dura Mater In Vivo and In Vitro: Implications for Suture Fusion and Patency. Journal of Bone and Mineral Research, 2000, 15, 2413-2430.	2.8	88
170	The molecular biology of distraction osteogenesis. Journal of Cranio-Maxillo-Facial Surgery, 2002, 30, 1-11.	1.7	88
171	Preclinical Derivation and Imaging of Autologously Transplanted Canine Induced Pluripotent Stem Cells. Journal of Biological Chemistry, 2011, 286, 32697-32704.	3.4	88
172	Pullulan Hydrogels Improve Mesenchymal Stem Cell Delivery into Highâ€Oxidativeâ€Stress Wounds. Macromolecular Bioscience, 2011, 11, 1458-1466.	4.1	88
173	Differential Expression of Transforming Growth Factor-Î² Receptors in a Rabbit Zone II Flexor Tendon Wound Healing Model. Plastic and Reconstructive Surgery, 2001, 108, 1260-1267.	1.4	87
174	A Randomized Controlled Trial of the embrace Advanced Scar Therapy Device to Reduce Incisional Scar Formation. Plastic and Reconstructive Surgery, 2014, 134, 536-546.	1.4	87
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