

Michael T Longaker

List of Publications by Year in descending order

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875
papers

55,069
citations

993

114
h-index

2500

196
g-index

934
all docs

934
docs citations

934
times ranked

44819
citing authors

#	ARTICLE	IF	CITATIONS
1	Wound repair and regeneration. <i>Nature</i> , 2008, 453, 314-321.	13.7	4,690
2	Human skin wounds: A major and snowballing threat to public health and the economy. <i>Wound Repair and Regeneration</i> , 2009, 17, 763-771.	1.5	2,277
3	Adipose-derived adult stromal cells heal critical-size mouse calvarial defects. <i>Nature Biotechnology</i> , 2004, 22, 560-567.	9.4	842
4	A nonviral minicircle vector for deriving human iPS cells. <i>Nature Methods</i> , 2010, 7, 197-199.	9.0	658
5	Human melanoma-initiating cells express neural crest nerve growth factor receptor CD271. <i>Nature</i> , 2010, 466, 133-137.	13.7	657
6	Regulation of Vascular Endothelial Growth Factor Expression in Cultured Keratinocytes. <i>Journal of Biological Chemistry</i> , 1995, 270, 12607-12613.	1.6	627
7	Patient-Specific Induced Pluripotent Stem Cells as a Model for Familial Dilated Cardiomyopathy. <i>Science Translational Medicine</i> , 2012, 4, 130ra47.	5.8	590
8	Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2013, 12, 101-113.	5.2	584
9	Identification and Specification of the Mouse Skeletal Stem Cell. <i>Cell</i> , 2015, 160, 285-298.	13.5	571
10	Gene Expression Programs in Response to Hypoxia: Cell Type Specificity and Prognostic Significance in Human Cancers. <i>PLoS Medicine</i> , 2006, 3, e47.	3.9	536
11	Identification and isolation of a dermal lineage with intrinsic fibrogenic potential. <i>Science</i> , 2015, 348, aaa2151.	6.0	520
12	Feeder-free derivation of induced pluripotent stem cells from adult human adipose stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15720-15725.	3.3	468
13	Mechanisms of bone development and repair. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 696-711.	16.1	433
14	Identification of the Human Skeletal Stem Cell. <i>Cell</i> , 2018, 175, 43-56.e21.	13.5	425
15	Mechanical load initiates hypertrophic scar formation through decreased cellular apoptosis. <i>FASEB Journal</i> , 2007, 21, 3250-3261.	0.2	422
16	Focal adhesion kinase links mechanical force to skin fibrosis via inflammatory signaling. <i>Nature Medicine</i> , 2012, 18, 148-152.	15.2	391
17	Scarless Fetal Wound Healing: A Basic Science Review. <i>Plastic and Reconstructive Surgery</i> , 2010, 126, 1172-1180.	0.7	374
18	Germ-layer and lineage-restricted stem/progenitors regenerate the mouse digit tip. <i>Nature</i> , 2011, 476, 409-413.	13.7	350

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19	Enhancement of mesenchymal stem cell angiogenic capacity and stemness by a biomimetic hydrogel scaffold. <i>Biomaterials</i> , 2012, 33, 80-90.	5.7	340
20	Studies in fetal wound healing VI. Second and early third trimester fetal wounds demonstrate rapid collagen deposition without scar formation. <i>Journal of Pediatric Surgery</i> , 1990, 25, 63-69.	0.8	322
21	Studies in Fetal Wound Healing V. A Prolonged Presence of Hyaluronic Acid Characterizes Fetal Wound Fluid. <i>Annals of Surgery</i> , 1991, 213, 292-296.	2.1	294
22	The BMP antagonist noggin regulates cranial suture fusion. <i>Nature</i> , 2003, 422, 625-629.	13.7	293
23	Successful Repair in Utero of a Fetal Diaphragmatic Hernia after Removal of Herniated Viscera from the Left Thorax. <i>New England Journal of Medicine</i> , 1990, 322, 1582-1584.	13.9	292
24	Distraction Osteogenesis of the Craniofacial Skeleton. <i>Plastic and Reconstructive Surgery</i> , 2001, 107, 1812-1824.	0.7	269
25	Preventing <i>Engrailed-1</i> activation in fibroblasts yields wound regeneration without scarring. <i>Science</i> , 2021, 372, .	6.0	269
26	Current Progress in Keloid Research and Treatment. <i>Journal of the American College of Surgeons</i> , 2008, 206, 731-741.	0.2	267
27	Hypoxia and VEGF Up-Regulate BMP-2 mRNA and Protein Expression in Microvascular Endothelial Cells: Implications for Fracture Healing. <i>Plastic and Reconstructive Surgery</i> , 2002, 109, 2384-2397.	0.7	263
28	Flexor tendon healing in vitro: Effects of TGF- β 2 on tendon cell collagen production. <i>Journal of Hand Surgery</i> , 2002, 27, 615-620.	0.7	263
29	Fetal Wound Healing: Current Biology. <i>World Journal of Surgery</i> , 2003, 27, 54-61.	0.8	263
30	The Role of Hypoxia-Inducible Factor in Wound Healing. <i>Advances in Wound Care</i> , 2014, 3, 390-399.	2.6	257
31	Human Adipose Derived Stromal Cells Heal Critical Size Mouse Calvarial Defects. <i>PLoS ONE</i> , 2010, 5, e11177.	1.1	255
32	Hypertrophic Scar Formation Following Burns and Trauma: New Approaches to Treatment. <i>PLoS Medicine</i> , 2007, 4, e234.	3.9	252
33	Tissue Inhibitor of Metalloproteinases-1 Is Decreased and Activated Gelatinases Are Increased in Chronic Wounds. <i>Journal of Investigative Dermatology</i> , 1995, 104, 236-240.	0.3	244
34	Induction of Keratinocyte Growth Factor Expression Is reduced and Delayed During Wound Healing in the Genetically Diabetic Mouse. <i>Journal of Investigative Dermatology</i> , 1994, 103, 469-473.	0.3	240
35	Studies in Flexor Tendon Wound Healing: Neutralizing Antibody to TGF- β 1 Increases Postoperative Range of Motion. <i>Plastic and Reconstructive Surgery</i> , 2000, 105, 148-155.	0.7	238
36	Primary fetal hydrothorax: Natural history and management. <i>Journal of Pediatric Surgery</i> , 1989, 24, 573-576.	0.8	237

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37	Improving Cutaneous Scar Formation by Controlling the Mechanical Environment. <i>Annals of Surgery</i> , 2011, 254, 217-225.	2.1	218
38	Fetal intervention in obstructive uropathy: Prognostic indicators and efficacy of intervention. <i>American Journal of Obstetrics and Gynecology</i> , 1990, 162, 1239-1244.	0.7	215
39	Nanotechnology in bone tissue engineering. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1253-1263.	1.7	212
40	Adult Skin Wounds in the Fetal Environment Heal with Scar Formation. <i>Annals of Surgery</i> , 1994, 219, 65-72.	2.1	210
41	Angiogenesis Is Required for Successful Bone Induction During Distraction Osteogenesis. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1114-1124.	3.1	210
42	Transient Changes in Oxygen Tension Inhibit Osteogenic Differentiation and Runx2 Expression in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2004, 279, 40007-40016.	1.6	209
43	Reduced Expression of PDGF and PDGF Receptors During Impaired Wound Healing. <i>Journal of Investigative Dermatology</i> , 1997, 109, 132-138.	0.3	207
44	Epigenetic and in vivo comparison of diverse MSC sources reveals an endochondral signature for human hematopoietic niche formation. <i>Blood</i> , 2015, 125, 249-260.	0.6	201
45	In Vivo Clonal Analysis Reveals Lineage-Restricted Progenitor Characteristics in Mammalian Kidney Development, Maintenance, and Regeneration. <i>Cell Reports</i> , 2014, 7, 1270-1283.	2.9	199
46	Articular cartilage regeneration by activated skeletal stem cells. <i>Nature Medicine</i> , 2020, 26, 1583-1592.	15.2	194
47	Etiology of intestinal damage in gastroschisis. I: Effects of amniotic fluid exposure and bowel constriction in a fetal lamb model. <i>Journal of Pediatric Surgery</i> , 1989, 24, 992-997.	0.8	193
48	Generation of adult human induced pluripotent stem cells using nonviral minicircle DNA vectors. <i>Nature Protocols</i> , 2011, 6, 78-88.	5.5	191
49	Cranial Sutures: A Brief Review. <i>Plastic and Reconstructive Surgery</i> , 2008, 121, 170e-178e.	0.7	188
50	Cutaneous Scarring: Basic Science, Current Treatments, and Future Directions. <i>Advances in Wound Care</i> , 2018, 7, 29-45.	2.6	188
51	Heterogeneity in old fibroblasts is linked to variability in reprogramming and wound healing. <i>Nature</i> , 2019, 574, 553-558.	13.7	187
52	Wound Healing Is Accelerated by Agonists of Adenosine A2 (G _i s-linked) Receptors. <i>Journal of Experimental Medicine</i> , 1997, 186, 1615-1620.	4.2	183
53	Innovation in Surgery. <i>Annals of Surgery</i> , 2006, 244, 686-693.	2.1	181
54	Hif-1 α regulates differentiation of limb bud mesenchyme and joint development. <i>Journal of Cell Biology</i> , 2007, 177, 451-464.	2.3	181

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55	Differential Expression of Transforming Growth Factor- β 2 Receptors I and II and Activation of Smad 3 in Keloid Fibroblasts. <i>Plastic and Reconstructive Surgery</i> , 2001, 108, 423-429.	0.7	177
56	Concise Review: Adipose-Derived Stromal Cells for Skeletal Regenerative Medicine. <i>Stem Cells</i> , 2011, 29, 576-582.	1.4	176
57	Pushing Back: Wound Mechanotransduction in Repair and Regeneration. <i>Journal of Investigative Dermatology</i> , 2011, 131, 2186-2196.	0.3	175
58	VEGF expression in an osteoblast-like cell line is regulated by a hypoxia response mechanism. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 278, C853-C860.	2.1	172
59	Gene Expression of Transforming Growth Factor Beta-1 in Rabbit Zone II Flexor Tendon Wound Healing: Evidence for Dual Mechanisms of Repair. <i>Plastic and Reconstructive Surgery</i> , 1997, 100, 937-944.	0.7	172
60	Bone Morphogenetic Protein 2 and Retinoic Acid Accelerate in Vivo Bone Formation, Osteoclast Recruitment, and Bone Turnover. <i>Tissue Engineering</i> , 2005, 11, 645-658.	4.9	168
61	Differential Expression of Fibromodulin, a Transforming Growth Factor- β 2 Modulator, in Fetal Skin Development and Scarless Repair. <i>American Journal of Pathology</i> , 2000, 157, 423-433.	1.9	166
62	Management of Chronic Wounds—2018. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 1481.	3.8	166
63	Scar Formation: The Spectral Nature of Fetal and Adult Wound Repair. <i>Plastic and Reconstructive Surgery</i> , 1996, 97, 854-860.	0.7	163
64	Differential Expression of Matrix Metalloproteinases and Their Tissue-Derived Inhibitors in Cutaneous Wound Repair. <i>Plastic and Reconstructive Surgery</i> , 2000, 105, 638-647.	0.7	163
65	The Biology of Fetal Wound Healing. <i>Plastic and Reconstructive Surgery</i> , 1991, 87, 788-798.	0.7	160
66	Fibroblasts and wound healing: an update. <i>Regenerative Medicine</i> , 2018, 13, 491-495.	0.8	160
67	Review of the Current Management of Pressure Ulcers. <i>Advances in Wound Care</i> , 2018, 7, 57-67.	2.6	158
68	Mechanotransduction and fibrosis. <i>Journal of Biomechanics</i> , 2014, 47, 1997-2005.	0.9	157
69	Fetal Wound Healing The Ontogeny of Scar Formation in the Non-Human Primate. <i>Annals of Surgery</i> , 1993, 217, 391-396.	2.1	155
70	Scarless wound healing: finding the right cells and signals. <i>Cell and Tissue Research</i> , 2016, 365, 483-493.	1.5	155
71	Fetal hydrops and death from sacrococcygeal teratoma: Rationale for fetal surgery. <i>American Journal of Obstetrics and Gynecology</i> , 1989, 160, 1145-1150.	0.7	153
72	Mesenchymal Stromal Cells and Cutaneous Wound Healing: A Comprehensive Review of the Background, Role, and Therapeutic Potential. <i>Stem Cells International</i> , 2018, 2018, 1-13.	1.2	153

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73	Transforming growth factor- β 1 modulates the expression of vascular endothelial growth factor by osteoblasts. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 277, C628-C637.	2.1	151
74	Mechanical Forces in Cutaneous Wound Healing: Emerging Therapies to Minimize Scar Formation. <i>Advances in Wound Care</i> , 2018, 7, 47-56.	2.6	150
75	Downregulation of Apoptosis-Related Genes in Keloid Tissues. <i>Journal of Surgical Research</i> , 1999, 87, 209-216.	0.8	149
76	The fibroblast-populated collagen matrix as a model of wound healing: a review of the evidence. <i>Wound Repair and Regeneration</i> , 2004, 12, 134-147.	1.5	148
77	Transplanted terminally differentiated induced pluripotent stem cells are accepted by immune mechanisms similar to self-tolerance. <i>Nature Communications</i> , 2014, 5, 3903.	5.8	148
78	Human NELL-1 Expressed in Unilateral Coronal Synostosis. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 80-89.	3.1	146
79	The Effects of Ionizing Radiation on Osteoblast-Like Cells in Vitro. <i>Plastic and Reconstructive Surgery</i> , 2000, 106, 1049-1061.	0.7	145
80	CD105 Protein Depletion Enhances Human Adipose-derived Stromal Cell Osteogenesis through Reduction of Transforming Growth Factor β 1 (TGF- β 1) Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 39497-39509.	1.6	144
81	Progress and Potential for Regenerative Medicine. <i>Annual Review of Medicine</i> , 2007, 58, 299-312.	5.0	143
82	A Revised Perspective of Skeletal Stem Cell Biology. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 189.	1.8	143
83	Aged skeletal stem cells generate an inflammatory degenerative niche. <i>Nature</i> , 2021, 597, 256-262.	13.7	143
84	Engineered Pullulan- α Collagen Composite Dermal Hydrogels Improve Early Cutaneous Wound Healing. <i>Tissue Engineering - Part A</i> , 2011, 17, 631-644.	1.6	142
85	Hydrostatic Pressure Enhances Chondrogenic Differentiation of Human Bone Marrow Stromal Cells in Osteochondrogenic Medium. <i>Annals of Biomedical Engineering</i> , 2008, 36, 813-820.	1.3	141
86	Molecular studies in flexor tendon wound healing: The role of basic fibroblast growth factor gene expression. <i>Journal of Hand Surgery</i> , 1998, 23, 1052-1058.	0.7	140
87	Tissue Engineering and Regenerative Repair in Wound Healing. <i>Annals of Biomedical Engineering</i> , 2014, 42, 1494-1507.	1.3	140
88	Fibroblast Response to Hypoxia: The Relationship between Angiogenesis and Matrix Regulation. <i>Journal of Surgical Research</i> , 1999, 84, 127-133.	0.8	138
89	Noggin Suppression Enhances in Vitro Osteogenesis and Accelerates in Vivo Bone Formation. <i>Journal of Biological Chemistry</i> , 2007, 282, 26450-26459.	1.6	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. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 1680-1694.	3.1	137

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91	The Foreign Body Response. <i>Plastic and Reconstructive Surgery</i> , 2015, 135, 1489-1498.	0.7	135
92	Connective Tissue Growth Factor-Specific Monoclonal Antibody Therapy Inhibits Pancreatic Tumor Growth and Metastasis. <i>Cancer Research</i> , 2006, 66, 5816-5827.	0.4	134
93	Wound size and gestational age modulate scar formation in fetal wound repair. <i>Journal of Pediatric Surgery</i> , 1997, 32, 411-415.	0.8	133
94	Studies in Cranial Suture Biology: Regional Dura Mater Determines Overlying Suture Biology. <i>Plastic and Reconstructive Surgery</i> , 1998, 101, 1441-1447.	0.7	133
95	Early experience with open fetal surgery for congenital hydronephrosis. <i>Journal of Pediatric Surgery</i> , 1988, 23, 1114-1121.	0.8	132
96	Sonic Hedgehog Influences the Balance of Osteogenesis and Adipogenesis in Mouse Adipose-Derived Stromal Cells. <i>Tissue Engineering - Part A</i> , 2010, 16, 2605-2616.	1.6	132
97	Craniosynostosis in transgenic mice overexpressing <i>Nell-1</i> . <i>Journal of Clinical Investigation</i> , 2002, 110, 861-870.	3.9	132
98	Fibrotic healing of adult and late gestation fetal wounds correlates with increased hyaluronidase activity and removal of hyaluronan. <i>International Journal of Biochemistry and Cell Biology</i> , 1997, 29, 201-210.	1.2	131
99	IFATS Collection: Adipose Stromal Cells Adopt a Proangiogenic Phenotype Under the Influence of Hypoxia. <i>Stem Cells</i> , 2009, 27, 266-274.	1.4	131
100	Osteogenic differentiation of mouse adipose-derived adult stromal cells requires retinoic acid and bone morphogenetic protein receptor type IB signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12335-12340.	3.3	130
101	Basic Science Review on Adipose Tissue for Clinicians. <i>Plastic and Reconstructive Surgery</i> , 2010, 126, 1936-1946.	0.7	129
102	Hypertrophic Scar Fibroblasts Have Increased Connective Tissue Growth Factor Expression after Transforming Growth Factor- β Stimulation. <i>Plastic and Reconstructive Surgery</i> , 2005, 116, 1387-1390.	0.7	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. <i>Stem Cells</i> , 2011, 29, 286-296.	1.4	127
104	Applications of a Mouse Model of Calvarial Healing: Differences in Regenerative Abilities of Juveniles and Adults. <i>Plastic and Reconstructive Surgery</i> , 2004, 114, 713-720.	0.7	126
105	Chemical rescue of cleft palate and midline defects in conditional <i>GSK-3β</i> mice. <i>Nature</i> , 2007, 446, 79-82.	13.7	126
106	Major Deficit in the Number of Underrepresented Minority Academic Surgeons Persists. <i>Annals of Surgery</i> , 2008, 248, 704-709.	2.1	126
107	Studies in Fat Grafting. <i>Plastic and Reconstructive Surgery</i> , 2014, 134, 249-257.	0.7	126
108	Immunolocalization of Transforming Growth Factor β 1, β 2, and β 3 and Insulin-Like Growth Factor I in Premature Cranial Suture Fusion. <i>Plastic and Reconstructive Surgery</i> , 1997, 99, 300-309.	0.7	123

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109	Studies in Cranial Suture Biology: Part I. Increased Immunoreactivity for TGF- β Isoforms (β 1, β 2, and β 3) During Rat Cranial Suture Fusion. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 311-321.	3.1	122
110	Mitogenic and chondrogenic effects of fibroblast growth factor-2 in adipose-derived mesenchymal cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 644-652.	1.0	122
111	<i>Fgf-9</i> is required for angiogenesis and osteogenesis in long bone repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11853-11858.	3.3	122
112	Studies in fetal wound healing, VII. Fetal wound healing may be modulated by hyaluronic acid stimulating activity in amniotic fluid. <i>Journal of Pediatric Surgery</i> , 1990, 25, 430-433.	0.8	121
113	CD90 (Thy-1)-Positive Selection Enhances Osteogenic Capacity of Human Adipose-Derived Stromal Cells. <i>Tissue Engineering - Part A</i> , 2013, 19, 989-997.	1.6	121
114	Mechanoresponsive stem cells acquire neural crest fate in jaw regeneration. <i>Nature</i> , 2018, 563, 514-521.	13.7	121
115	Rat Mandibular Distraction Osteogenesis: II. Molecular Analysis of Transforming Growth Factor Beta-1 and Osteocalcin Gene Expression. <i>Plastic and Reconstructive Surgery</i> , 1999, 103, 536-547.	0.7	120
116	The Osteogenic Potential of Adipose-Derived Mesenchymal Cells Is Maintained with Aging. <i>Plastic and Reconstructive Surgery</i> , 2005, 116, 1686-1696.	0.7	120
117	Etiology of intestinal damage in gastroschisis, II. Timing and reversibility of histological changes, mucosal function, and contractility. <i>Journal of Pediatric Surgery</i> , 1990, 25, 1122-1126.	0.8	118
118	Studies in Fetal Wound Healing IV. Hyaluronic Acid-Stimulating Activity Distinguishes Fetal Wound Fluid from Adult Wound Fluid. <i>Annals of Surgery</i> , 1989, 210, 667-672.	2.1	117
119	<i>In Vitro</i> Expansion of Adipose-Derived Adult Stromal Cells in Hypoxia Enhances Early Chondrogenesis. <i>Tissue Engineering</i> , 2007, 13, 2981-2993.	4.9	117
120	In vivo directed differentiation of pluripotent stem cells for skeletal regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20379-20384.	3.3	116
121	Clonal precursor of bone, cartilage, and hematopoietic niche stromal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12643-12648.	3.3	116
122	Scarless Wound Healing. <i>Plastic and Reconstructive Surgery</i> , 2015, 135, 907-917.	0.7	116
123	Scarless Fetal Healing Therapeutic Implications. <i>Annals of Surgery</i> , 1992, 215, 3-30.	2.1	115
124	Ontogenetic Transition in Fetal Wound Transforming Growth Factor- β Regulation Correlates with Collagen Organization. <i>American Journal of Pathology</i> , 2003, 163, 2459-2476.	1.9	114
125	Auricular Reconstruction: Indications for Autogenous and Prosthetic Techniques. <i>Plastic and Reconstructive Surgery</i> , 2001, 107, 1241-1251.	0.7	112
126	Scarless fetal skin wound healing update. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2012, 96, 237-247.	3.6	112

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127	Human iPS cell-based therapy: Considerations before clinical applications. <i>Cell Cycle</i> , 2010, 9, 880-885.	1.3	111
128	FGF-2 Inhibits Osteogenesis in Mouse Adipose Tissue-Derived Stromal Cells and Sustains their Proliferative and Osteogenic Potential State. <i>Tissue Engineering</i> , 2006, 12, 1405-1418.	4.9	110
129	Stem Cells in Bone Regeneration. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 524-529.	5.6	110
130	Hyaluronan and wound healing: a new perspective. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 1991, 44, 579-584.	1.1	108
131	Investigation of the Influence of Keloid-Derived Keratinocytes on Fibroblast Growth and Proliferation in Vitro. <i>Plastic and Reconstructive Surgery</i> , 2001, 107, 797-808.	0.7	108
132	Transforming Growth Factor Beta Superfamily Members: Role in Cartilage Modeling. <i>Plastic and Reconstructive Surgery</i> , 2000, 105, 980-990.	0.7	107
133	Hypoxia Regulates VEGF Expression and Cellular Proliferation by Osteoblasts in Vitro. <i>Plastic and Reconstructive Surgery</i> , 1999, 104, 738-747.	0.7	106
134	Microfluidic Single-Cell Analysis Shows That Porcine Induced Pluripotent Stem Cell-Derived Endothelial Cells Improve Myocardial Function by Paracrine Activation. <i>Circulation Research</i> , 2012, 111, 882-893.	2.0	106
135	Studies in Cranial Suture Biology: Part II. Role of the Dura in Cranial Suture Fusion. <i>Plastic and Reconstructive Surgery</i> , 1996, 97, 693-699.	0.7	105
136	Studies in Cranial Suture Biology: Up-Regulation of Transforming Growth Factor- β 1 and Basic Fibroblast Growth Factor mRNA Correlates with Posterior Frontal Cranial Suture Fusion in the Rat. <i>Plastic and Reconstructive Surgery</i> , 1998, 101, 1431-1440.	0.7	104
137	Mechanical force prolongs acute inflammation via cell-dependent pathways during scar formation. <i>FASEB Journal</i> , 2011, 25, 4498-4510.	0.2	104
138	Studies in Fat Grafting. <i>Plastic and Reconstructive Surgery</i> , 2015, 136, 67-75.	0.7	103
139	Osteogenesis in Cranial Defects: Reassessment of the Concept of Critical Size and the Expression of TGF- β 2 Isoforms. <i>Plastic and Reconstructive Surgery</i> , 2000, 106, 360-371.	0.7	102
140	In Vivo Modulation of FGF Biological Activity Alters Cranial Suture Fate. <i>American Journal of Pathology</i> , 2001, 158, 441-452.	1.9	102
141	Cranial Suture Biology. <i>Current Topics in Developmental Biology</i> , 2005, 66, 287-328.	1.0	102
142	Calcium-Based Nanoparticles Accelerate Skin Wound Healing. <i>PLoS ONE</i> , 2011, 6, e27106.	1.1	102
143	Soft tissue mechanotransduction in wound healing and fibrosis. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 981-986.	2.3	102
144	Microsurgical Correction of Facial Asymmetry in 60 Consecutive Cases. <i>Plastic and Reconstructive Surgery</i> , 1996, 97, 354-363.	0.7	101

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145	Understanding the impact of fibroblast heterogeneity on skin fibrosis. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	1.2	101
146	Capillary Force Seeding of Hydrogels for Adipose-Derived Stem Cell Delivery in Wounds. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1079-1089.	1.6	100
147	Microsurgical Correction of Facial Contour in Congenital Craniofacial Malformations: The Marriage of Hard and Soft Tissue. <i>Plastic and Reconstructive Surgery</i> , 1996, 98, 942-950.	0.7	99
148	Expression of Bone Morphogenetic Proteins during Membranous Bone Healing. <i>Plastic and Reconstructive Surgery</i> , 2001, 107, 124-134.	0.7	98
149	Sox9 neural crest determinant gene controls patterning and closure of the posterior frontal cranial suture. <i>Developmental Biology</i> , 2005, 280, 344-361.	0.9	97
150	Paracrine Mechanism of Angiogenesis in Adipose-Derived Stem Cell Transplantation. <i>Annals of Plastic Surgery</i> , 2014, 72, 234-241.	0.5	97
151	Studies in Cranial Suture Biology: Regional Dura Mater Determines in Vitro Cranial Suture Fusion. <i>Plastic and Reconstructive Surgery</i> , 1997, 100, 1091-1099.	0.7	96
152	Biomolecular Mechanisms of Calvarial Bone Induction: Immature versus Mature Dura Mater. <i>Plastic and Reconstructive Surgery</i> , 2000, 105, 1382-1392.	0.7	95
153	Regulation of Human Adipose-Derived Stromal Cell Osteogenic Differentiation by Insulin-Like Growth Factor-1 and Platelet-Derived Growth Factor- β . <i>Plastic and Reconstructive Surgery</i> , 2010, 126, 41-52.	0.7	95
154	Rat Mandibular Distraction Osteogenesis: Part I. Histologic and Radiographic Analysis. <i>Plastic and Reconstructive Surgery</i> , 1998, 102, 2022-2032.	0.7	94
155	Autologous Fat Grafting: The Science Behind the Surgery. <i>Aesthetic Surgery Journal</i> , 2016, 36, 488-496.	0.9	94
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