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	Beyond the Scar: A Basic Science Review of Wound Remodeling. Advances in Wound Care, 2023, 12, 57-67.	5.1	10
2	Exploring the Overlooked Roles and Mechanisms of Fibroblasts in the Foreign Body Response. Advances in Wound Care, 2023, 12, 85-96.	5.1	4
3	Exosomes: A Tool for Bone Tissue Engineering. Tissue Engineering - Part B: Reviews, 2022, 28, 101-113.	4.8	13
4	Mechanical Strain Drives Myeloid Cell Differentiation Toward Proinflammatory Subpopulations. Advances in Wound Care, 2022, 11, 466-478.	5.1	17
5	The role of Wnt signaling in skin fibrosis. Medicinal Research Reviews, 2022, 42, 615-628.	10.5	23
6	Standardizing Dimensionless Cutometer Parameters to Determine In Vivo Elasticity of Human Skin. Advances in Wound Care, 2022, 11, 297-310.	5.1	8
7	Inhibiting Fibroblast Mechanotransduction Modulates Severity of Idiopathic Pulmonary Fibrosis. Advances in Wound Care, 2022, 11, 511-523.	5.1	5
8	Modulating Cellular Responses to Mechanical Forces to Promote Wound Regeneration. Advances in Wound Care, 2022, 11, 479-495.	5.1	21
9	A Novel Xenograft Model Demonstrates Human Fibroblast Behavior During Skin Wound Repair and Fibrosis. Advances in Wound Care, 2022, 11, 455-465.	5.1	3
10	Decellularized Adipose Matrices Can Alleviate Radiation-Induced Skin Fibrosis. Advances in Wound Care, 2022, 11, 524-536.	5.1	13
11	Genetic modification of adipose-derived stem cells for bone regeneration. , 2022, , 347-370.		0
12	Multi-omic analysis reveals divergent molecular events in scarring and regenerative wound healing. Cell Stem Cell, 2022, 29, 315-327.e6.	11.1	69
13	Discussion: Beyond the Scalpel: Attracting and Nurturing Surgeon-Scientists in Plastic Surgery. Plastic and Reconstructive Surgery, 2022, 149, 517-518.	1.4	0
14	Harnessing a Feasible and Versatile ex vivo Calvarial Suture 2-D Culture System to Study Suture Biology. Frontiers in Physiology, 2022, 13, 823661.	2.8	0
15	Fat Grafts Augmented With Vitamin E Improve Volume Retention and Radiation-Induced Fibrosis. Aesthetic Surgery Journal, 2022, 42, 946-955.	1.6	8
16	<scp>Pullulanâ€Collagen</scp> hydrogel wound dressing promotes dermal remodelling and wound healing compared to commercially available collagen dressings. Wound Repair and Regeneration, 2022, 30, 397-408.	3.0	27
17	Partial Tendon Injury at the Tendon-to-Bone Enthesis Activates Skeletal Stem Cells. Stem Cells Translational Medicine, 2022, 11, 715-726.	3.3	2
18	Disrupting mechanotransduction decreases fibrosis and contracture in split-thickness skin grafting. Science Translational Medicine, 2022, 14, eabj9152.	12.4	31

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19	Transdermal deferoxamine administration improves excisional wound healing in chronically irradiated murine skin. Journal of Translational Medicine, 2022, 20, .	4.4	11
20	Wounds Inhibit Tumor Growth In Vivo. Annals of Surgery, 2021, 273, 173-180.	4.2	6
21	Preventing Engrailed-1 activation in fibroblasts yields wound regeneration without scarring. Science, 2021, 372, .	12.6	269
22	Endogenous Mechanisms of Craniomaxillofacial Repair: Toward Novel Regenerative Therapies. Frontiers in Oral Health, 2021, 2, 676258.	3.0	4
23	Striae Distensae: Scars without Wounds. Plastic and Reconstructive Surgery, 2021, 148, 77-87.	1.4	15
24	Skeletal stem and progenitor cells maintain cranial suture patency and prevent craniosynostosis. Nature Communications, 2021, 12, 4640.	12.8	26
25	Distinct skeletal stem cell types orchestrate long bone skeletogenesis. ELife, 2021, 10, .	6.0	38
26	Aged skeletal stem cells generate an inflammatory degenerative niche. Nature, 2021, 597, 256-262.	27.8	143
27	Disrupting biological sensors of force promotes tissue regeneration in large organisms. Nature Communications, 2021, 12, 5256.	12.8	43
28	Angiogenic CD34+CD146+ adiposeâ€derived stromal cells augment recovery of soft tissue after radiotherapy. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 1105-1117.	2.7	11
29	JUN promotes hypertrophic skin scarring via CD36 in preclinical in vitro and in vivo models. Science Translational Medicine, 2021, 13, eabb3312.	12.4	32
30	Epidermal-Derived Hedgehog Signaling Drives Mesenchymal Proliferation during Digit Tip Regeneration. Journal of Clinical Medicine, 2021, 10, 4261.	2.4	1
31	The Adrenergic System in Plastic and Reconstructive Surgery. Annals of Plastic Surgery, 2021, 87, e62-e70.	0.9	4
32	Proceed with Caution: Mouse Deep Digit Flexor Tendon Injury Model. Plastic and Reconstructive Surgery - Global Open, 2021, 9, e3359.	0.6	1
33	Integrated spatial multiomics reveals fibroblast fate during tissue repair. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	76
34	A comparative analysis of deferoxamine treatment modalities for dermal radiationâ€induced fibrosis. Journal of Cellular and Molecular Medicine, 2021, 25, 10028-10038.	3.6	10
35	So You Want to Be an Innovator?. Plastic and Reconstructive Surgery, 2021, 148, 55S-57S.	1.4	0
36	An Evolutionary Conserved Signaling Network Between Mouse and Human Underlies the Differential Osteoskeletal Potential of Frontal and Parietal Calvarial Bones. Frontiers in Physiology, 2021, 12, 747091.	2.8	1

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37	Local Vitamin E Administration Improves Fat Graft Retention and Radiation-Induced Fibrosis in a Mouse Model. Journal of the American College of Surgeons, 2021, 233, S199.	0.5	0
38	Fibroblast Sub-Populations Dynamically Change Composition to Heal Dorsal Skin Radiation Wounds in Wild-Type Mice. Journal of the American College of Surgeons, 2021, 233, S207-S208.	0.5	0
39	Dermal Iron Chelation Reduces Indirect Radiation Injury. Journal of the American College of Surgeons, 2021, 233, e155.	0.5	0
40	Comparative Cytokine Profiling of Wound Tissue Homogenate From Irradiated and Non-irradiated Skin. Journal of the American College of Surgeons, 2021, 233, e154.	0.5	0
41	Discussion: Overcoming the Patent Gap: A Guide to Patenting for Plastic Surgeons. Plastic and Reconstructive Surgery, 2021, 148, 918-919.	1.4	0
42	Craniofacial and Long Bone Development in the Context of Distraction Osteogenesis. Plastic and Reconstructive Surgery, 2021, 147, 54e-65e.	1.4	14
43	Adipose-Derived Stromal Cell (ASC) Subpopulation with Adipogenic Capabilities Increase Fat Graft Quality in Irradiated Tissue. Journal of the American College of Surgeons, 2021, 233, e197-e198.	0.5	1
44	Adipose Precursor Cell-Embedded Collagen Gels Attenuate Inflammation and Improve Tissue Perfusion in Cutaneous Wounds. Journal of the American College of Surgeons, 2021, 233, S196.	0.5	0
45	Xenogeneic skin transplantation promotes angiogenesis and tissue regeneration through activated Trem2 ⁺ macrophages. Science Advances, 2021, 7, eabi4528.	10.3	26
46	Pro-Fibrotic CD26-Positive Fibroblasts Are Present in Greater Abundance in Breast Capsule Tissue of Irradiated Breasts. Aesthetic Surgery Journal, 2020, 40, 369-379.	1.6	16
47	Muchâ€Needed Clarification and Guidance on Cellâ€Based Therapies for Musculoskeletal Disorders â€“ Secondary Publication. Journal of Orthopaedic Research, 2020, 38, 483-484.	2.3	0
48	Muchâ€Needed Clarification and Guidance on Cellâ€Based Therapies for Musculoskeletal Disorders. Journal of Bone and Mineral Research, 2020, 35, 1-2.	2.8	8
49	Fat grafting rescues radiation-induced joint contracture. Stem Cells, 2020, 38, 382-389.	3.2	21
50	Pressure Injury. Annals of Surgery, 2020, 271, 671-679.	4.2	82
51	Tissue Engineering and Regenerative Medicine in Craniofacial Reconstruction and Facial Aesthetics. Journal of Craniofacial Surgery, 2020, 31, 15-27.	0.7	48
52	Doxycycline Reduces Scar Thickness and Improves Collagen Architecture. Annals of Surgery, 2020, 272, 183-193.	4.2	22
53	Rewriting the Future: Promises and Limits of Germline Gene Editing in Craniofacial Surgery. Journal of Craniofacial Surgery, 2020, 31, 1517-1520.	0.7	0
54	Prrx1 Fibroblasts Represent a Pro-fibrotic Lineage in the Mouse Ventral Dermis. Cell Reports, 2020, 33, 108356.	6.4	44

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55	Prophylactic treatment with transdermal deferoxamine mitigates radiation-induced skin fibrosis. Scientific Reports, 2020, 10, 12346.	3.3	17
56	Fibroblast Heterogeneity in and Its Implications for Plastic and Reconstructive Surgery: A Basic Science Review. Plastic and Reconstructive Surgery - Global Open, 2020, 8, e2927.	0.6	9
57	Fibroblast Heterogeneity in Wound Healing: Hurdles to Clinical Translation. Trends in Molecular Medicine, 2020, 26, 1101-1106.	6.7	53
58	Elucidating the fundamental fibrotic processes driving abdominal adhesion formation. Nature Communications, 2020, 11, 4061.	12.8	52
59	Characterization of Diabetic and Non-Diabetic Foot Ulcers Using Single-Cell RNA-Sequencing. Micromachines, 2020, 11, 815.	2.9	34
60	Transdermal Deferoxamine Reduces Radiation-Induced Damage in Porcine Skin. Journal of the American College of Surgeons, 2020, 231, e46-e47.	0.5	0
61	Understanding Long Bone Regeneration through the Development of a Novel Murine Distraction Device. Journal of the American College of Surgeons, 2020, 231, e173.	0.5	0
62	A Surgical Model for Investigating the Role of Creeping Fat in Intestinal Fibrosis. Journal of the American College of Surgeons, 2020, 231, S50-S51.	0.5	2
63	Ectoderm-Derived Wnt and Hedgehog Signaling Drive Digit Tip Regeneration. Journal of the American College of Surgeons, 2020, 231, S186.	0.5	0
64	Fat Grafting Depletes Profibrotic Prrx1-Positive Fibroblasts in Irradiated Skin and Mitigates Radiation-Induced Groin Contracture. Journal of the American College of Surgeons, 2020, 231, S225-S226.	0.5	0
65	Peripheral Motor Neuron Activity Influences over Local Sarcoma Progression. Journal of the American College of Surgeons, 2020, 231, S230-S231.	0.5	0
66	Skeletal Stem Cells Promote Regeneration in Long Bone Distraction Osteogenesis. Journal of the American College of Surgeons, 2020, 231, S232-S233.	0.5	0
67	Transdermal Deferoxamine Treatment Mitigates Fibrosis in Irradiated Skin. Journal of the American College of Surgeons, 2020, 231, S235.	0.5	0
68	Mechanisms of bone development and repair. Nature Reviews Molecular Cell Biology, 2020, 21, 696-711.	37.0	433
69	Articular cartilage regeneration by activated skeletal stem cells. Nature Medicine, 2020, 26, 1583-1592.	30.7	194
70	Wounds Heal by Tissue-Resident Fibroblast Progenitors that Proliferate Polyclonally and Mechanoresponsively. Journal of the American College of Surgeons, 2020, 231, S236-S237.	0.5	0
71	Macrophage Subpopulation Dynamics Shift following Intravenous Infusion of Mesenchymal Stromal Cells. Molecular Therapy, 2020, 28, 2007-2022.	8.2	15
72	Pancreatic Cancer Associated Fibroblasts (CAF): Under-Explored Target for Pancreatic Cancer Treatment. Cancers, 2020, 12, 1347.	3.7	76

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73	â€œTissues in a Dishâ€• Plastic and Reconstructive Surgery - Global Open, 2020, 8, e2787.	0.6	4
74	CD34+CD146+ adipose-derived stromal cells enhance engraftment of transplanted fat. Stem Cells Translational Medicine, 2020, 9, 1389-1400.	3.3	15
75	Understanding the impact of fibroblast heterogeneity on skin fibrosis. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	101
76	The antifibrotic adipose-derived stromal cell: Grafted fat enriched with CD74+ adipose-derived stromal cells reduces chronic radiation-induced skin fibrosis. Stem Cells Translational Medicine, 2020, 9, 1401-1413.	3.3	18
77	Tuning Macrophage Phenotype to Mitigate Skeletal Muscle Fibrosis. Journal of Immunology, 2020, 204, 2203-2215.	0.8	37
78	Skeletal tissue engineering. , 2020, , 1007-1021.		0
79	Evaluation of Outcomes Following Surgery for Locally Advanced Pancreatic Neuroendocrine Tumors. JAMA Network Open, 2020, 3, e2024318.	5.9	23
80	Immobilization after injury alters extracellular matrix and stem cell fate. Journal of Clinical Investigation, 2020, 130, 5444-5460.	8.2	42
81	Spen links RNA-mediated endogenous retrovirus silencing and X chromosome inactivation. ELife, 2020, 9, .	6.0	33
82	Scarless Wound Healing. , 2019, , 65-92.		0
83	A Clearing Technique to Enhance Endogenous Fluorophores in Skin and Soft Tissue. Scientific Reports, 2019, 9, 15791.	3.3	15
84	A Revised Perspective of Skeletal Stem Cell Biology. Frontiers in Cell and Developmental Biology, 2019, 7, 189.	3.7	143
85	Skeletal Stem Cell-Schwann Cell Circuitry in Mandibular Repair. Cell Reports, 2019, 28, 2757-2766.e5.	6.4	55
86	Fat Chance: The Rejuvenation of Irradiated Skin. Plastic and Reconstructive Surgery - Global Open, 2019, 7, e2092.	0.6	27
87	The Spectrum of Scarring in Craniofacial Wound Repair. Frontiers in Physiology, 2019, 10, 322.	2.8	60
88	Wound healing and fibrosis: current stem cell therapies. Transfusion, 2019, 59, 884-892.	1.6	24
89	Coordinating Tissue Regeneration Through Transforming Growth Factor-Î² Activated Kinase 1 Inactivation and Reactivation. Stem Cells, 2019, 37, 766-778.	3.2	10
90	Regenerative Skin Healing Through Targeted Modulation of Engrailed1-Negative Fibroblasts. Journal of the American College of Surgeons, 2019, 229, S228.	0.5	0

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91	Endogenous Breast Cancer Shows Clonal Proliferation of Cancer Associated Fibroblasts at Primary Tumor and Metastatic Sites. Journal of the American College of Surgeons, 2019, 229, S262.	0.5	0
92	Tumors Co-Opt Fibroblast Wound Healing Capacity. Journal of the American College of Surgeons, 2019, 229, S231-S232.	0.5	0
93	Cancer-Associated Fibroblasts Persist but Show Decreased Fibroblast Activation Protein Expression after Neoadjuvant Chemotherapy in Human Pancreatic Ductal Adenocarcinoma. Journal of the American College of Surgeons, 2019, 229, S257-S258.	0.5	1
94	A fine balance in tendon healing. Nature Cell Biology, 2019, 21, 1466-1467.	10.3	7
95	Flexor Tendon: Development, Healing, Adhesion Formation, and Contributing Growth Factors. Plastic and Reconstructive Surgery, 2019, 144, 639e-647e.	1.4	78
96	Radiation-Induced Skin Fibrosis. Annals of Plastic Surgery, 2019, 83, S59-S64.	0.9	70
97	Heterogeneity in old fibroblasts is linked to variability in reprogramming and wound healing. Nature, 2019, 574, 553-558.	27.8	187
98	Fat Grafting into Younger Recipients Improves Volume Retention in an Animal Model. Plastic and Reconstructive Surgery, 2019, 143, 1067-1075.	1.4	11
99	Discussion. Plastic and Reconstructive Surgery, 2019, 144, 656-657.	1.4	0
100	Macrophage Transplantation Fails to Improve Repair of Critical-Sized Calvarial Defects. Journal of Craniofacial Surgery, 2019, 30, 2640-2645.	0.7	7
101	CD26+ Fibroblasts Increase in Abundance in Breast Capsule Tissue Surrounding Irradiated Breasts. Journal of the American College of Surgeons, 2019, 229, S220.	0.5	1
102	Fibroblast Proliferation in Wound Healing Is Clonal and Focal Adhesion Kinase-Dependent. Journal of the American College of Surgeons, 2019, 229, S223.	0.5	0
103	In Vitro and In Vivo Osteogenic Differentiation of Human Adipose-Derived Stromal Cells. Methods in Molecular Biology, 2019, 1891, 9-18.	0.9	4
104	Small molecule inhibition of dipeptidyl peptidase-4 enhances bone marrow progenitor cell function and angiogenesis in diabetic wounds. Translational Research, 2019, 205, 51-63.	5.0	20
105	Î²-Cateninâ€“Dependent Wnt Signaling: A Pathway in Acute Cutaneous Wounding [RETRACTED]. Plastic and Reconstructive Surgery, 2018, 141, 669-678.	1.4	17
106	Embryonic skin development and repair. Organogenesis, 2018, 14, 46-63.	1.2	49
107	PHD-2 Suppression in Mesenchymal Stromal Cells Enhances Wound Healing. Plastic and Reconstructive Surgery, 2018, 141, 55e-67e.	1.4	15
108	Pathway Analysis of Gene Expression of E14 Versus E18 Fetal Fibroblasts. Advances in Wound Care, 2018, 7, 1-10.	5.1	4

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109	Scarless wound healing: Transitioning from fetal research to regenerative healing. Wiley Interdisciplinary Reviews: Developmental Biology, 2018, 7, e309.	5.9	91
110	An Improved Humanized Mouse Model for Excisional Wound Healing Using Double Transgenic Mice. Advances in Wound Care, 2018, 7, 11-17.	5.1	14
111	A Fibroblast Is Not a Fibroblast IsÂNotÂa Fibroblast. Journal of Investigative Dermatology, 2018, 138, 729-730.	0.7	16
112	Pathway Analysis of Gene Expression in Murine Fetal and Adult WoundsThis abstract has been presented at the 8th Annual Academic Surgical Congress on February 5â€“7, 2013 in New Orleans, Louisiana and the 26th Annual Meeting of the Wound Healing Society on April 23â€“27, 2014 in Orlando, Florida.. Advances in Wound Care, 2018, 7, 262-275.	5.1	3
113	Cutaneous Scarring: Basic Science, Current Treatments, and Future Directions. Advances in Wound Care, 2018, 7, 29-45.	5.1	188
114	Review of the Current Management of Pressure Ulcers. Advances in Wound Care, 2018, 7, 57-67.	5.1	158
115	Mechanical Forces in Cutaneous Wound Healing: Emerging Therapies to Minimize Scar Formation. Advances in Wound Care, 2018, 7, 47-56.	5.1	150
116	Three-Dimensional Ultrasound Versus Computerized Tomography in Fat Graft Volumetric Analysis. Annals of Plastic Surgery, 2018, 80, 293-296.	0.9	3
117	Deferoxamine Preconditioning of Irradiated Tissue Improves Perfusion and Fat Graft Retention. Plastic and Reconstructive Surgery, 2018, 141, 655-665.	1.4	42
118	Noncoding RNAs in Wound Healing: A New and Vast Frontier. Advances in Wound Care, 2018, 7, 19-27.	5.1	38
119	Discussion. Plastic and Reconstructive Surgery, 2018, 142, 1365-1366.	1.4	3
120	Nerve-Dependent Mandibular Regeneration by Skeletal Stem Cells in Fracture Repair. Journal of the American College of Surgeons, 2018, 227, S197.	0.5	1
121	Method of Isolating and Transplanting the Hematopoietic Stem Cell with Its Microenvironment Which Improves Functional Hematopoietic Engraftment. Journal of the American College of Surgeons, 2018, 227, e224.	0.5	0
122	Twist1-Haploinsufficiency Selectively Enhances the Osteoskeletal Capacity of Mesoderm-Derived Parietal Bone Through Downregulation of Fgf23. Frontiers in Physiology, 2018, 9, 1426.	2.8	9
123	Reduced Scar Thickness Achieved by Topical Doxycycline Is Mediated by Specific Skin Fibroblast Populations and Not Immune Cell Infiltrate. Journal of the American College of Surgeons, 2018, 227, S210-S211.	0.5	0
124	Mechanoresponsive stem cells acquire neural crest fate in jaw regeneration. Nature, 2018, 563, 514-521.	27.8	121
125	Utilizing Confocal Microscopy to Characterize Human and Mouse Adipose Tissue. Tissue Engineering - Part C: Methods, 2018, 24, 566-577.	2.1	5
126	Management of Chronic Woundsâ€”2018. JAMA - Journal of the American Medical Association, 2018, 320, 1481.	7.4	166

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127	Identification of the Human Skeletal Stem Cell. Cell, 2018, 175, 43-56.e21.	28.9	425
128	Wound Healing Research at the Hagey Laboratory for Pediatric Regenerative Medicine at Stanford University School of Medicine. Advances in Wound Care, 2018, 7, 257-261.	5.1	1
129	DEL1 protects against chondrocyte apoptosis through integrin binding. Journal of Surgical Research, 2018, 231, 1-9.	1.6	12
130	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
131	Genetic dissection of clonal lineage relationships with hydroxytamoxifen liposomes. Nature Communications, 2018, 9, 2971.	12.8	8
132	Fibroblasts and wound healing: an update. Regenerative Medicine, 2018, 13, 491-495.	1.7	160
133	Iron Chelation with Transdermal Deferoxamine Accelerates Healing of Murine Sickle Cell Ulcers. Advances in Wound Care, 2018, 7, 323-332.	5.1	11
134	Isolation and functional assessment of mouse skeletal stem cell lineage. Nature Protocols, 2018, 13, 1294-1309.	12.0	60
135	Commentary on: Adipose Stem Cell Function Maintained with Age: An Intra-Subject Study of Long-Term Cryopreserved Cells. Aesthetic Surgery Journal, 2017, 37, sjw224.	1.6	0
136	Biomimetics of Bone Implants: The Regenerative Road. BioResearch Open Access, 2017, 6, 1-6.	2.6	29
137	Pharmacological rescue of diabetic skeletal stem cell niches. Science Translational Medicine, 2017, 9, .	12.4	80
138	Detection of Stem Cell Transplant Rejection with Ferumoxytol MR Imaging: Correlation of MR Imaging Findings with Those at Intravital Microscopy. Radiology, 2017, 284, 495-507.	7.3	24
139	Fibroblasts become fat to reduce scarring. Science, 2017, 355, 693-694.	12.6	13
140	Excess Dermal Tissue Remodeling In Vivo. Plastic and Reconstructive Surgery, 2017, 139, 415e-424e.	1.4	0
141	Laboratory Models for the Study of Normal and Pathologic Wound Healing. Plastic and Reconstructive Surgery, 2017, 139, 654-662.	1.4	30
142	Isolation of CD248â€expressing stromal vascular fraction for targeted improvement of wound healing. Wound Repair and Regeneration, 2017, 25, 414-422.	3.0	34
143	Comparison of the Hydroxylase Inhibitor Dimethyloxalylglycine and the Iron Chelator Deferoxamine in Diabetic and Aged Wound Healing. Plastic and Reconstructive Surgery, 2017, 139, 695e-706e.	1.4	50
144	Purified Adipose-Derived Stromal Cells Provide Superior Fat Graft Retention Compared with Unenriched Stromal Vascular Fraction. Plastic and Reconstructive Surgery, 2017, 139, 911-914.	1.4	29

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145	A Review of Cell-Based Strategies for Soft Tissue Reconstruction. Tissue Engineering - Part B: Reviews, 2017, 23, 336-346.	4.8	36
146	Sanativo Wound Healing Product Does Not Accelerate Reepithelialization in a Mouse Cutaneous Wound Healing Model. Plastic and Reconstructive Surgery, 2017, 139, 343-352.	1.4	8
147	<sup />Calvarial Defects: Cell-Based Reconstructive Strategies in the Murine Model. Tissue Engineering - Part C: Methods, 2017, 23, 971-981.	2.1	21
148	Ultrasound-assisted liposuction provides a source for functional adipose-derived stromal cells. Cytotherapy, 2017, 19, 1491-1500.	0.7	33
149	Isolation of Live Fibroblasts by Fluorescence-Activated Cell Sorting. Methods in Molecular Biology, 2017, 1627, 205-212.	0.9	6
150	Strategic Targeting of Multiple BMP Receptors Prevents Trauma-Induced Heterotopic Ossification. Molecular Therapy, 2017, 25, 1974-1987.	8.2	57
151	Discussion. Plastic and Reconstructive Surgery, 2017, 140, 86-87.	1.4	0
152	Discussion. Plastic and Reconstructive Surgery, 2017, 139, 906-907.	1.4	2
153	Rapid Isolation of BMPR-IB+ Adipose-Derived Stromal Cells for Use in a Calvarial Defect Healing Model. Journal of Visualized Experiments, 2017, , .	0.3	1
154	A MUSE for Skin Regeneration. Journal of Investigative Dermatology, 2017, 137, 2471-2472.	0.7	8
155	Human Adiposeâ€Derived Stromal Cell Isolation Methods and Use in Osteogenic and Adipogenic In Vivo Applications. Current Protocols in Stem Cell Biology, 2017, 43, 2H.1.1-2H.1.15.	3.0	5
156	Isotretinoin and Timing of Procedural Interventions. JAMA Dermatology, 2017, 153, 802.	4.1	93
157	Cell-Based Soft Tissue Reconstruction in a Hydrogel Scaffold. Annals of Plastic Surgery, 2017, 79, 618-622.	0.9	5
158	The Role of Skeletal Stem Cells in the Reconstruction of Bone Defects. Journal of Craniofacial Surgery, 2017, 28, 1136-1141.	0.7	8
159	Magnetic Nanoparticle-Based Upregulation of B-Cell Lymphoma 2 Enhances Bone Regeneration. Stem Cells Translational Medicine, 2017, 6, 151-160.	3.3	24
160	Proteinâ€“Nanoparticle Hydrogels That Self-assemble in Response to Peptide-Based Molecular Recognition. ACS Biomaterials Science and Engineering, 2017, 3, 750-756.	5.2	22
161	Rescue of Del1 Knock Out Phenotype in Bone Fracture Healing in Mice. Journal of the American College of Surgeons, 2017, 225, S89-S90.	0.5	0
162	Doxycyline Improves Wound Healing via Nonantibiotic Associated Mechanisms. Journal of the American College of Surgeons, 2017, 225, S162-S163.	0.5	0

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163	Cellular Mechanisms Underlying Regeneration in Mandibular Distraction Osteogenesis. Journal of the American College of Surgeons, 2017, 225, e143-e144.	0.5	0
164	Inhibition of IRE1 results in decreased scar formation. Wound Repair and Regeneration, 2017, 25, 964-971.	3.0	7
165	Invited Commentary on. Journal of Craniofacial Surgery, 2017, 28, 1626-1627.	0.7	0
166	Hyaluronic acid synthesis is required for zebrafish tail fin regeneration. PLoS ONE, 2017, 12, e0171898.	2.5	34
167	Minimizing Skin Scarring through Biomaterial Design. Journal of Functional Biomaterials, 2017, 8, 3.	4.4	16
168	Dynamic Rheology for the Prediction of Surgical Outcomes in Autologous Fat Grafting. Plastic and Reconstructive Surgery, 2017, 140, 517-524.	1.4	16
169	Discussion. Plastic and Reconstructive Surgery, 2017, 139, 1397-1398.	1.4	0
170	Getting nervous about regeneration. Stem Cell Investigation, 2016, 3, 71-71.	3.0	2
171	Lectins bring benefits to bones. ELife, 2016, 5, .	6.0	3
172	Mesenchymal Stromal Cells as Cell-Based Therapeutics for Wound Healing. Stem Cells International, 2016, 2016, 1-6.	2.5	28
173	An Overview of Direct Somatic Reprogramming: The Ins and Outs of iPSCs. International Journal of Molecular Sciences, 2016, 17, 141.	4.1	32
174	Discussion. Plastic and Reconstructive Surgery, 2016, 137, 1168-1170.	1.4	1
175	Discussion. Plastic and Reconstructive Surgery, 2016, 137, 508-509.	1.4	0
176	Winner of the Young Investigator Award of the Society for Biomaterials at the 10th World Biomaterials Congress, May 17â€“22, 2016, Montreal QC, Canada: Microribbonâ€based hydrogels accelerate stem cellâ€based bone regeneration in a mouse criticalâ€size cranial defect model. Journal of Biomedical Materials Research - Part A, 2016, 104, 1321-1331.	4.0	31
177	Scaffold-mediated BMP-2 minicircle DNA delivery accelerated bone repair in a mouse critical-size calvarial defect model. Journal of Biomedical Materials Research - Part A, 2016, 104, 2099-2107.	4.0	23
178	Cell-Assisted Lipotransfer Improves Volume Retention in Irradiated Recipient Sites and Rescues Radiation-Induced Skin Changes. Stem Cells, 2016, 34, 668-673.	3.2	71
179	Local and Circulating Endothelial Cells Undergo Endothelial to Mesenchymal Transition (EndMT) in Response to Musculoskeletal Injury. Scientific Reports, 2016, 6, 32514.	3.3	37
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