Geoffrey C Gurtner

List of Publications by Year
in descending order

181 papers	22,164 citations	23544 58 h-index	9090 144 g-index
189 all docs	189 docs citations	189 times ranked	24741 citing authors

#	Article	IF	Citations
1	A bioactive compliant vascular graft modulates macrophage polarization and maintains patency with robust vascular remodeling. Bioactive Materials, 2023, 19, 167-178.	8.6	15
2	Mechanical Strain Drives Myeloid Cell Differentiation Toward Proinflammatory Subpopulations. Advances in Wound Care, 2022, 11, 466-478.	2.6	17
3	Standardizing Dimensionless Cutometer Parameters to Determine In Vivo Elasticity of Human Skin. Advances in Wound Care, 2022, 11, 297-310.	2.6	8
4	Inhibiting Fibroblast Mechanotransduction Modulates Severity of Idiopathic Pulmonary Fibrosis. Advances in Wound Care, 2022, 11, 511-523.	2.6	5
5	Modulating Cellular Responses to Mechanical Forces to Promote Wound Regeneration. Advances in Wound Care, 2022, 11, 479-495.	2.6	21
6	Consensus Conference Statement on the General Use of Near-infrared Fluorescence Imaging and Indocyanine Green Guided Surgery. Annals of Surgery, 2022, 275, 685-691.	2.1	63
7	Wound care research sponsored by the Department of Defense. Wound Repair and Regeneration, 2022, , .	1.5	0
8	Multi-omic analysis reveals divergent molecular events in scarring and regenerative wound healing. Cell Stem Cell, 2022, 29, 315-327.e6.	5.2	69
9	IQGAP1â€mediated mechanical signaling promotes the foreign body response to biomedical implants. FASEB Journal, 2022, 36, e22007.	0.2	5
10	Chronic wounds: Treatment consensus. Wound Repair and Regeneration, 2022, 30, 156-171.	1.5	83
11	Enrichment of Nanofiber Hydrogel Composite with Fractionated Fat Promotes Regenerative Macrophage Polarization and Vascularization for Soft-Tissue Engineering. Plastic and Reconstructive Surgery, 2022, 149, 433e-444e.	0.7	4
12	Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics. Science, 2022, 375, 1411-1417.	6.0	230
13	Combining Breast and Ovarian Operations Increases Complications. Plastic and Reconstructive Surgery, 2022, 149, 1050-1059.	0.7	0
14	<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.	1.5	27
15	Foot Burns in Persons With Diabetes: Outcomes From the National Trauma Data Bank. Journal of Burn Care and Research, 2022, 43, 541-547.	0.2	3
16	Reinforced Biologic Mesh Reduces Postoperative Complications Compared to Biologic Mesh after Ventral Hernia Repair. Plastic and Reconstructive Surgery - Global Open, 2022, 10, e4083.	0.3	4
17	Partial Tendon Injury at the Tendon-to-Bone Enthesis Activates Skeletal Stem Cells. Stem Cells Translational Medicine, 2022, 11, 715-726.	1.6	2
18	Disrupting mechanotransduction decreases fibrosis and contracture in split-thickness skin grafting. Science Translational Medicine, 2022, 14, eabj9152.	5.8	31

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19	Holy grail of tissue regeneration: Size. BioEssays, 2022, 44, .	1.2	3
20	Synthetic and Bone tissue engineering graft substitutes: What is the future?. Injury, 2021, 52, S72-S77.	0.7	62
21	Wounds Inhibit Tumor Growth In Vivo. Annals of Surgery, 2021, 273, 173-180.	2.1	6
22	Preventing Engrailed-1 activation in fibroblasts yields wound regeneration without scarring. Science, 2021, 372, .	6.0	269
23	Hydrogel Scaffolds to Deliver Cell Therapies for Wound Healing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 660145.	2.0	69
24	Adipose-Derived Stromal Cells Seeded in Pullulan-Collagen Hydrogels Improve Healing in Murine Burns. Tissue Engineering - Part A, 2021, 27, 844-856.	1.6	31
25	Preoperative Î²â€lactam antibiotic prophylaxis is superior to bacteriostatic alternatives in immediate expanderâ€based breast reconstruction. Journal of Surgical Oncology, 2021, 124, 722-730.	0.8	2
26	ASO Visual Abstract: Two-Stage Versus One-Stage Nipple-Sparing Mastectomy: Timing of Surgery Prevents Nipple Loss. Annals of Surgical Oncology, 2021, 28, 653-654.	0.7	0
27	Disrupting biological sensors of force promotes tissue regeneration in large organisms. Nature Communications, 2021, 12, 5256.	5.8	43
28	A rare case of Wohlfahrtiimonas chitiniclastica infection in California. JAAD Case Reports, 2021, 17, 55-57.	0.4	1
29	JUN promotes hypertrophic skin scarring via CD36 in preclinical in vitro and in vivo models. Science Translational Medicine, 2021, 13, eabb3312.	5.8	32
30	Epidermal-Derived Hedgehog Signaling Drives Mesenchymal Proliferation during Digit Tip Regeneration. Journal of Clinical Medicine, 2021, 10, 4261.	1.0	1
31	Proceed with Caution: Mouse Deep Digit Flexor Tendon Injury Model. Plastic and Reconstructive Surgery - Global Open, 2021, 9, e3359.	0.3	1
32	Hyperbaric Oxygen Therapy in Management of Diabetic Foot Ulcers: Indocyanine Green Angiography May Be Used as a Biomarker to Analyze Perfusion and Predict Response to Treatment. Plastic and Reconstructive Surgery, 2021, 147, 209-214.	0.7	12
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, .	3.3	76
34	A comparative analysis of deferoxamine treatment modalities for dermal radiationâ€induced fibrosis. Journal of Cellular and Molecular Medicine, 2021, 25, 10028-10038.	1.6	10
35	Discussion: Overcoming the Patent Gap: A Guide to Patenting for Plastic Surgeons. Plastic and Reconstructive Surgery, 2021, 148, 918-919.	0.7	0
36	The Plane of Mesh Placement Does Not Impact Abdominal Donor Site Complications in Microsurgical Breast Reconstruction. Annals of Plastic Surgery, 2021, 87, 542-546.	0.5	3

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37	Selective Microvascular Tissue Transfection Using Minicircle DNA for Systemic Delivery of Human Coagulation Factor IX in a Rat Model Using a Therapeutic Flap. Plastic and Reconstructive Surgery, 2021, Publish Ahead of Print, .	0.7	1
38	Xenogeneic skin transplantation promotes angiogenesis and tissue regeneration through activated Trem2 ⁺ macrophages. Science Advances, 2021, 7, eabi4528.	4.7	26
39	Impaired Neovascularization in Aging. Advances in Wound Care, 2020, 9, 111-126.	2.6	14
40	Matchedâ€cohort study comparing bioactive human splitâ€thickness skin allograft plus standard of care to standard of care alone in the treatment of diabetic ulcers: A retrospective analysis across 470 institutions. Wound Repair and Regeneration, 2020, 28, 81-89.	1.5	3
41	Er:YAG laser vs. sharp debridement in management of chronic wounds: Effects on pain and bacterial load. Wound Repair and Regeneration, 2020, 28, 118-125.	1.5	10
42	Tissue Engineering of Axially Vascularized Soft-Tissue Flaps with a Poly-(É›-Caprolactone) Nanofiber-Hydrogel Composite. Advances in Wound Care, 2020, 9, 365-377.	2.6	8
43	Pressure Injury. Annals of Surgery, 2020, 271, 671-679.	2.1	82
44	Laser Treatment of Traumatic Scars and Contractures: 2020 International Consensus Recommendations. Lasers in Surgery and Medicine, 2020, 52, 96-116.	1.1	89
45	Prrx1 Fibroblasts Represent a Pro-fibrotic Lineage in the Mouse Ventral Dermis. Cell Reports, 2020, 33, 108356.	2.9	44
46	Prophylactic treatment with transdermal deferoxamine mitigates radiation-induced skin fibrosis. Scientific Reports, 2020, 10, 12346.	1.6	17
47	Elucidating the fundamental fibrotic processes driving abdominal adhesion formation. Nature Communications, 2020, 11, 4061.	5.8	52
48	Current and Emerging Topical Scar Mitigation Therapies for Craniofacial Burn Wound Healing. Frontiers in Physiology, 2020, 11, 916.	1.3	9
49	Therapeutic Interventions to Reduce Radiation Induced Dermal Injury in a Murine Model of Tissue Expander Based Breast Reconstruction. Annals of Plastic Surgery, 2020, 85, 546-552.	0.5	0
50	Characterization of Diabetic and Non-Diabetic Foot Ulcers Using Single-Cell RNA-Sequencing. Micromachines, 2020, 11, 815.	1.4	34
51	A multivariable miRNA signature delineates the systemic hemodynamic impact of arteriovenous shunt placement in a pilot study. Scientific Reports, 2020, 10, 21809.	1.6	5
52	Cas9-AAV6-engineered human mesenchymal stromal cells improved cutaneous wound healing in diabetic mice. Nature Communications, 2020, 11, 2470.	5.8	52
53	Macrophage Subpopulation Dynamics Shift following Intravenous Infusion of Mesenchymal Stromal Cells. Molecular Therapy, 2020, 28, 2007-2022.	3.7	15
54	Mechanotransduction in Wound Healing and Fibrosis. Journal of Clinical Medicine, 2020, 9, 1423.	1.0	71

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55	Conformable hyaluronic acid hydrogel delivers adipose-derived stem cells and promotes regeneration of burn injury. Acta Biomaterialia, 2020, 108, 56-66.	4.1	95
56	Cryopreserved human skin allografts promote angiogenesis and dermal regeneration in a murine model. International Wound Journal, 2020, 17, 925-936.	1.3	10
57	Therapeutic Breast Reconstruction Using Gene Therapyâ€“Delivered IFNÎ³ Immunotherapy. Molecular Cancer Therapeutics, 2020, 19, 697-705.	1.9	1
58	Hyperbaric Oxygen Therapy: Descriptive Review of the Technology and Current Application in Chronic Wounds. Plastic and Reconstructive Surgery - Global Open, 2020, 8, e3136.	0.3	26
59	Wound Center Without Walls: The New Model of Providing Care During the COVID-19 Pandemic. Wounds, 2020, 32, 178-185.	0.2	20
60	Optimization of transdermal deferoxamine leads to enhanced efficacy in healing skin wounds. Journal of Controlled Release, 2019, 308, 232-239.	4.8	31
61	Beneath the Surface: A Review of Laser Remodeling of Hypertrophic Scars and Burns. Advances in Wound Care, 2019, 8, 168-176.	2.6	17
62	Identifying risk factors for postoperative major complications in staged implantâ€based breast reconstruction with AlloDerm. Breast Journal, 2019, 25, 597-603.	0.4	9
63	Stem cell therapies for wound healing. Expert Opinion on Biological Therapy, 2019, 19, 575-585.	1.4	116
64	In Vivo Models for the Study of Fibrosis. Advances in Wound Care, 2019, 8, 645-654.	2.6	27
65	In Reply. Stem Cells, 2019, 37, E2-E2.	1.4	0
66	A Matched-Pair Analysis of Prepectoral with Subpectoral Breast Reconstruction: Is There a Difference in Postoperative Complication Rate?. Plastic and Reconstructive Surgery, 2019, 144, 801-807.	0.7	38
67	The Interplay of Mechanical Stress, Strain, and Stiffness at the Keloid Periphery Correlates with Increased Caveolin-1/ROCK Signaling and Scar Progression. Plastic and Reconstructive Surgery, 2019, 144, 58e-67e.	0.7	39
68	Discussion: Recipient-Site Preconditioning with Deferoxamine Increases Fat-Graft Survival by Inducing VEGF and Neovascularization in a Rat Model. Plastic and Reconstructive Surgery, 2019, 144, 630e-631e.	0.7	1
69	Wound Healing: A Cellular Perspective. Physiological Reviews, 2019, 99, 665-706.	13.1	1,303
70	Single-Cell Transcriptomics of Human Mesenchymal Stem Cells Reveal Age-Related Cellular Subpopulation Depletion and Impaired Regenerative Function. Stem Cells, 2019, 37, 240-246.	1.4	46
71	Small molecule inhibition of dipeptidyl peptidase-4 enhances bone marrow progenitor cell function and angiogenesis in diabetic wounds. Translational Research, 2019, 205, 51-63.	2.2	20
72	Ageâ€associated intracellular superoxide dismutase deficiency potentiates dermal fibroblast dysfunction during wound healing. Experimental Dermatology, 2019, 28, 485-492.	1.4	35

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73	Acceleration of Diabetic Wound Healing with PHD2- and miR-210-Targeting Oligonucleotides. Tissue Engineering - Part A, 2019, 25, 44-54.	1.6	28
74	Pathway Analysis of Gene Expression of E14 Versus E18 Fetal Fibroblasts. Advances in Wound Care, 2018, 7, 1-10.	2.6	4
75	An Improved Humanized Mouse Model for Excisional Wound Healing Using Double Transgenic Mice. Advances in Wound Care, 2018, 7, 11-17.	2.6	14
76	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.	2.6	3
77	Mechanical Forces in Cutaneous Wound Healing: Emerging Therapies to Minimize Scar Formation. Advances in Wound Care, 2018, 7, 47-56.	2.6	150
78	Topical Deferoxamine Alleviates Skin Injury and Normalizes Atomic Force Microscopy Patterns Following Radiation in a Murine Breast Reconstruction Model. Annals of Plastic Surgery, 2018, 81, 604-608.	0.5	12
79	Controlled Delivery of a Focal Adhesion Kinase Inhibitor Results in Accelerated Wound Closure with Decreased ScarÂFormation. Journal of Investigative Dermatology, 2018, 138, 2452-2460.	0.3	45
80	Acceleration of Diabetic Wound Regeneration using an In Situâ€“Formed Stemâ€Cellâ€Based Skin Substitute. Advanced Healthcare Materials, 2018, 7, e1800432.	3.9	56
81	Iron Chelation with Transdermal Deferoxamine Accelerates Healing of Murine Sickle Cell Ulcers. Advances in Wound Care, 2018, 7, 323-332.	2.6	11
82	Mechanobiology of skin diseases and wound healing. , 2018, , 415-448.		6
83	Deferoxamine can prevent pressure ulcers and accelerate healing in aged mice. Wound Repair and Regeneration, 2018, 26, 300-305.	1.5	19
84	The Abnormal Architecture of Healed Diabetic Ulcers Is the Result of FAK Degradation by Calpain 1. Journal of Investigative Dermatology, 2017, 137, 1155-1165.	0.3	19
85	Pharmacological rescue of diabetic skeletal stem cell niches. Science Translational Medicine, 2017, 9, .	5.8	80
86	Injectable and Tunable Gelatin Hydrogels Enhance Stem Cell Retention and Improve Cutaneous Wound Healing. Advanced Functional Materials, 2017, 27, 1606619.	7.8	226
87	Isolation of CD248â€expressing stromal vascular fraction for targeted improvement of wound healing. Wound Repair and Regeneration, 2017, 25, 414-422.	1.5	34
88	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.	0.7	50
89	Black, White, and Gray: Macrophages in Skin Repair and Disease. Current Pathobiology Reports, 2017, 5, 333-342.	1.6	13
90	Wound healing outcomes: Using big data and a modified intentâ€toâ€treat method as a metric for reporting healing rates. Wound Repair and Regeneration, 2017, 25, 665-672.	1.5	16

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91	Ultrasound-assisted liposuction provides a source for functional adipose-derived stromal cells. Cytotherapy, 2017, 19, 1491-1500.	0.3	33
92	Is early inflammation good or bad? Linking early immune changes to hypertrophic scarring. Experimental Dermatology, 2017, 26, 133-134.	1.4	15
93	Optimizing Outcomes of Postmastectomy Breast Reconstruction With Acellular Dermal Matrix: A Review of Recent Clinical Data. Eplasty, 2017, 17, e18.	0.4	17
94	High-Resolution Microfluidic Single-Cell Transcriptional Profiling Reveals Clinically Relevant Subtypes among Human Stem Cell Populations Commonly Utilized in Cell-Based Therapies. Frontiers in Neurology, 2016, 7, 41.	1.1	12
95	Rapid identification of slow healing wounds. Wound Repair and Regeneration, 2016, 24, 181-188.	1.5	64
96	Extracellular superoxide dismutase deficiency impairs wound healing in advanced age by reducing neovascularization and fibroblast function. Experimental Dermatology, 2016, 25, 206-211.	1.4	33
97	Cell-Assisted Lipotransfer Improves Volume Retention in Irradiated Recipient Sites and Rescues Radiation-Induced Skin Changes. Stem Cells, 2016, 34, 668-673.	1.4	71
98	Multiple Subsets of Brain Tumor Initiating Cells Coexist in Glioblastoma. Stem Cells, 2016, 34, 1702-1707.	1.4	17
99	Protecting Nipple Perfusion by Devascularization and Surgical Delay in Patients at Risk for Ischemic Complications During Nipple-Sparing Mastectomies. Annals of Surgical Oncology, 2016, 23, 2665-2672.	0.7	33
100	Surgical Therapies and Tissue Engineering: At the Intersection Between Innovation and Regulation. Tissue Engineering - Part A, 2016, 22, 397-400.	1.6	4
101	Ultrasound-Assisted Liposuction Does Not Compromise the Regenerative Potential of Adipose-Derived Stem Cells. Stem Cells Translational Medicine, 2016, 5, 248-257.	1.6	40
102	Finding a needle in a â€œneedlestackâ€. Cell Cycle, 2016, 15, 3331-3332.	1.3	5
103	Enhanced Electrochemical Sensing with Carbon Nanotubes Modified with Bismuth and Magnetic Nanoparticles in a Labâ€onâ€âˆ€Chip. ChemNanoMat, 2016, 2, 904-910.	1.5	9
104	Microfluidic single-cell transcriptional analysis rationally identifies novel surface marker profiles to enhance cell-based therapies. Nature Communications, 2016, 7, 11945.	5.8	46
105	Murine Dermal Fibroblast Isolation by FACS. Journal of Visualized Experiments, 2016, , .	0.2	16
106	Nipple Reconstruction with the Biodesign Nipple Reconstruction Cylinder: A Prospective Clinical Study. Plastic and Reconstructive Surgery - Global Open, 2016, 4, e832.	0.3	12
107	Suction assisted liposuction does not impair the regenerative potential of adipose derived stem cells. Journal of Translational Medicine, 2016, 14, 126.	1.8	32
108	Challenges and Opportunities in Drug Delivery for Wound Healing. Advances in Wound Care, 2016, 5, 79-88.	2.6	100

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109	Adipose-Derived Stem Cell-Seeded Hydrogels Increase Endogenous Progenitor Cell Recruitment and Neovascularization in Wounds. Tissue Engineering - Part A, 2016, 22, 295-305.	1.6	57
110	Regenerative Medicine: Charting a New Course in Wound Healing. Advances in Wound Care, 2016, 5, 314-328.	2.6	60
111	Surveillance of Stem Cell Fate and Function: A System for Assessing Cell Survival and Collagen Expression In Situ. Tissue Engineering - Part A, 2016, 22, 31-40.	1.6	10
112	Clinical Management of Wound Healing and Hypertrophic Scarring. , 2016, , 61-81.		1
113	Enrichment of Adipose-Derived Stromal Cells for BMPR1A Facilitates Enhanced Adipogenesis. Tissue Engineering - Part A, 2016, 22, 214-221.	1.6	23
114	Successful Translation of Fluorescence Navigation During Oncologic Surgery: A Consensus Report. Journal of Nuclear Medicine, 2016, 57, 144-150.	2.8	125
115	Short Hairpin RNA Silencing of PHD-2 Improves Neovascularization and Functional Outcomes in Diabetic Wounds and Ischemic Limbs. PLoS ONE, 2016, 11, e0150927.	1.1	16
116	Healing Rates in a Multicenter Assessment of a Sterile, Room Temperature, Acellular Dermal Matrix Versus Conventional Care Wound Management and an Active Comparator in the Treatment of Full-Thickness Diabetic Foot Ulcers. Eplasty, 2016, 16, e27.	0.4	1
117	Scarless Wound Healing. Plastic and Reconstructive Surgery, 2015, 135, 907-917.	0.7	116
118	The Foreign Body Response. Plastic and Reconstructive Surgery, 2015, 135, 1489-1498.	0.7	135
119	High-Throughput Screening of Surface Marker Expression on Undifferentiated and Differentiated Human Adipose-Derived Stromal Cells. Tissue Engineering - Part A, 2015, 21, 2281-2291.	1.6	38
120	Transdermal deferoxamine prevents pressure-induced diabetic ulcers. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 94-99.	3.3	160
121	Progenitor Cell Dysfunctions Underlie Some Diabetic Complications. American Journal of Pathology, 2015, 185, 2607-2618.	1.9	36
122	A rapid crosslinking injectable hydrogel for stem cell delivery, from multifunctional hyperbranched polymers via RAFT homopolymerization of PEGDA. Polymer Chemistry, 2015, 6, 6182-6192.	1.9	46
123	Identification and isolation of a dermal lineage with intrinsic fibrogenic potential. Science, 2015, 348, aaa2151.	6.0	520
124	Filamin A Mediates Wound Closure by Promoting Elastic Deformation and Maintenance of Tension in the Collagen Matrix. Journal of Investigative Dermatology, 2015, 135, 2569-2571.	0.3	5
125	Cell recruitment by amnion chorion grafts promotes neovascularization. Journal of Surgical Research, 2015, 193, 953-962.	0.8	65
126	Using intraoperative laser angiography to safeguard nipple perfusion in nipple-sparing mastectomies. Gland Surgery, 2015, 4, 497-505.	0.5	13

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127	Reply. Plastic and Reconstructive Surgery, 2014, 134, 664e-666e.	0.7	1
128	The embrace Device Significantly Decreases Scarring following Scar Revision Surgery in a Randomized Controlled Trial. Plastic and Reconstructive Surgery, 2014, 133, 398-405.	0.7	78
129	Mechanical offloading of incisional wounds is associated with transcriptional downregulation of inflammatory pathways in a large animal model. Organogenesis, 2014, 10, 186-193.	0.4	36
130	A histological and mechanical analysis of the cardiac leadâ€“tissue interface: implications for lead extraction. Acta Biomaterialia, 2014, 10, 2200-2208.	4.1	28
131	The Role of Hypoxia-Inducible Factor in Wound Healing. Advances in Wound Care, 2014, 3, 390-399.	2.6	257
132	Capillary Force Seeding of Hydrogels for Adipose-Derived Stem Cell Delivery in Wounds. Stem Cells Translational Medicine, 2014, 3, 1079-1089.	1.6	100
133	Diabetes impairs the angiogenic potential of adipose-derived stem cells by selectively depleting cellular subpopulations. Stem Cell Research and Therapy, 2014, 5, 79.	2.4	153
134	Angiogenic properties of dehydrated human amnion/chorion allografts: therapeutic potential for soft tissue repair and regeneration. Vascular Cell, 2014, 6, 10.	0.2	141
135	Diabetes Irreversibly Depletes Bone Marrowâ€“Derived Mesenchymal Progenitor Cell Subpopulations. Diabetes, 2014, 63, 3047-3056.	0.3	58
136	Tracking the Elusive Fibrocyte: Identification and Characterization of Collagenâ€Producing Hematopoietic Lineage Cells During Murine Wound Healing. Stem Cells, 2014, 32, 1347-1360.	1.4	93
137	Poly-l-Arginine Topical Lotion Tested in a Mouse Model for Frostbite Injury. Wilderness and Environmental Medicine, 2014, 25, 160-165.	0.4	15
138	Gene expression in fetal murine keratinocytes and fibroblasts. Journal of Surgical Research, 2014, 190, 344-357.	0.8	21
139	Mechanotransduction and fibrosis. Journal of Biomechanics, 2014, 47, 1997-2005.	0.9	157
140	A Randomized Controlled Trial of the embrace Advanced Scar Therapy Device to Reduce Incisional Scar Formation. Plastic and Reconstructive Surgery, 2014, 134, 536-546.	0.7	87
141	Aging disrupts cell subpopulation dynamics and diminishes the function of mesenchymal stem cells. Scientific Reports, 2014, 4, 7144.	1.6	140
142	Epidermal or Dermal Specific Knockout of PHD-2 Enhances Wound Healing and Minimizes Ischemic Injury. PLoS ONE, 2014, 9, e93373.	1.1	24
143	Adult Stem Cells in Small Animal Wound Healing Models. Methods in Molecular Biology, 2013, 1037, 81-98.	0.4	9
144	A Novel Mouse Model for Frostbite Injury. Wilderness and Environmental Medicine, 2013, 24, 94-104.	0.4	22

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145	Wound Healing: A Paradigm for Regeneration. Mayo Clinic Proceedings, 2013, 88, 1022-1031.	1.4	67
146	Cellular Response to a Novel Fetal Acellular Collagen Matrix: Implications for Tissue Regeneration. International Journal of Biomaterials, 2013, 2013, 1-9.	1.1	27
147	A Mechanomodulatory Device to Minimize Incisional Scar Formation. Advances in Wound Care, 2013, 2, 185-194.	2.6	41
148	High-Throughput Single-Cell Analysis for Wound Healing Applications. Advances in Wound Care, 2013, 2, 457-469.	2.6	17
149	Stem Cell Niches for Skin Regeneration. International Journal of Biomaterials, 2012, 2012, 1-8.	1.1	98
150	Focal adhesion kinase links mechanical force to skin fibrosis via inflammatory signaling. Nature Medicine, 2012, 18, 148-152.	15.2	391
151	Soft tissue mechanotransduction in wound healing and fibrosis. Seminars in Cell and Developmental Biology, 2012, 23, 981-986.	2.3	102
152	Therapeutic potential of bone marrow-derived mesenchymal stem cells for cutaneous wound healing. Frontiers in Immunology, 2012, 3, 192.	2.2	84
153	Mesenchymal Stem Cells Home to Sites of Injury and Inflammation. Advances in Wound Care, 2012, 1, 147-152.	2.6	176
154	Enhancement of mesenchymal stem cell angiogenic capacity and stemness by a biomimetic hydrogel scaffold. Biomaterials, 2012, 33, 80-90.	5.7	340
155	Engineered Pullulanâ€“Collagen Composite Dermal Hydrogels Improve Early Cutaneous Wound Healing. Tissue Engineering - Part A, 2011, 17, 631-644.	1.6	142
156	An Information Theoretic, Microfluidic-Based Single Cell Analysis Permits Identification of Subpopulations among Putatively Homogeneous Stem Cells. PLoS ONE, 2011, 6, e21211.	1.1	61
157	Improving Cutaneous Scar Formation by Controlling the Mechanical Environment. Annals of Surgery, 2011, 254, 217-225.	2.1	218
158	Regenerative Medicine. Current Problems in Surgery, 2011, 48, 148-212.	0.6	30
159	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.	1.6	144
160	Pullulan Hydrogels Improve Mesenchymal Stem Cell Delivery into Highâ€Oxidativeâ€Stress Wounds. Macromolecular Bioscience, 2011, 11, 1458-1466.	2.1	88
161	Pushing Back: Wound Mechanotransduction in Repair and Regeneration. Journal of Investigative Dermatology, 2011, 131, 2186-2196.	0.3	175
162	The evolving role of avotermin in scar prevention. Expert Review of Dermatology, 2011, 6, 149-152.	0.3	0

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163	Surgical Approaches to Create Murine Models of Human Wound Healing. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-8.	3.0	263
164	Neovascularization in diabetes. Expert Review of Endocrinology and Metabolism, 2010, 5, 99-111.	1.2	5
165	Bench to Bedside: Navigating Industry, the FDA and Venture Capital. , 2010, , 253-268.		1
166	Publishing in Plastic Surgery. , 2010, , 259-276.		0
167	Human skin wounds: A major and snowballing threat to public health and the economy. Wound Repair and Regeneration, 2009, 17, 763-771.	1.5	2,277
168	Mesenchymal Stem Cells Can Participate in Ischemic Neovascularization. Plastic and Reconstructive Surgery, 2009, 123, 45S-55S.	0.7	61
169	Topical Lineage-Negative Progenitor-Cell Therapy for Diabetic Wounds (Invited Discussion). Plastic and Reconstructive Surgery, 2009, 123, 421-423.	0.7	1
170	Aging and Diabetes Impair the Neovascular Potential of Adipose-Derived Stromal Cells. Plastic and Reconstructive Surgery, 2009, 123, 475-485.	0.7	91
171	From Bedside to Bench and Back Again: Technology Innovation in Plastic Surgery. Plastic and Reconstructive Surgery, 2009, 124, 1355-1356.	0.7	17
172	Wound repair and regeneration. Nature, 2008, 453, 314-321.	13.7	4,690
173	Decreasing Intracellular Superoxide Corrects Defective Ischemia-induced New Vessel Formation in Diabetic Mice. Journal of Biological Chemistry, 2008, 283, 10930-10938.	1.6	207
174	Hypertrophic Scar Formation Following Burns and Trauma: New Approaches to Treatment. PLoS Medicine, 2007, 4, e234.	3.9	252
175	Mechanical load initiates hypertrophic scar formation through decreased cellular apoptosis. FASEB Journal, 2007, 21, 3250-3261.	0.2	422
176	Age Decreases Endothelial Progenitor Cell Recruitment Through Decreases in Hypoxia-Inducible Factor 1Î± Stabilization During Ischemia. Circulation, 2007, 116, 2818-2829.	1.6	193
177	db/db mice exhibit severe woundâ€healing impairments compared with other murine diabetic strains in a siliconeâ€splinted excisional wound model. Wound Repair and Regeneration, 2007, 15, 665-670.	1.5	191
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#	Article	IF	Citations
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