Zeshaan N Maan

List of Publications by Year in Descending Order

99 papers	2,745 citations	30 h-index	51 g-index
121 ext. papers	3,446 ext. citations	4.1 avg, IF	4.71 L-index

#	Paper	IF	Citations
99	Invited Discussion on: Double Layer Lateral Crural Perichondrial Flap for Coverage and Stabilization of Tip Graft.. *Aesthetic Plastic Surgery*, **2022**, 46, 871	2	
98	Xenogeneic skin transplantation promotes angiogenesis and tissue regeneration through activated Trem2 macrophages. *Science Advances*, **2021**, 7, eabi4528	14.3	2
97	Invited Discussion on: Ideal Reference Lines for Assessment of Facial Asymmetry in Rhinoplasty Patients. *Aesthetic Plastic Surgery*, **2021**, 1	2	
96	The Plane of Mesh Placement Does Not Impact Abdominal Donor Site Complications in Microsurgical Breast Reconstruction. *Annals of Plastic Surgery*, **2021**, 87, 542-546	1.7	0
95	Stevens-Johnson syndrome and toxic epidermal necrolysis: a 10-year experience in a burns unit. *Journal of Wound Care*, **2021**, 30, 492-496	2.2	5
94	Adipose-Derived Stromal Cells Seeded in Pullulan-Collagen Hydrogels Improve Healing in Murine Burns. *Tissue Engineering - Part A*, **2021**, 27, 844-856	3.9	11
93	Wounds Inhibit Tumor Growth In Vivo. *Annals of Surgery*, **2021**, 273, 173-180	7.8	2
92	Disrupting biological sensors of force promotes tissue regeneration in large organisms. *Nature Communications*, **2021**, 12, 5256	17.4	9
91	Stevens-Johnson syndrome and toxic epidermal necrolysis: a systematic review and meta-analysis. *Journal of Wound Care*, **2021**, 30, 1012-1019	2.2	2
90	Macrophage Subpopulation Dynamics Shift following Intravenous Infusion of Mesenchymal Stromal Cells. *Molecular Therapy*, **2020**, 28, 2007-2022	11.7	4
89	Deferoxamine enhances the regenerative potential of diabetic Adipose Derived Stem Cells. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **2020**, 73, 1738-1746	1.7	1
88	Molecular Mechanisms of Hair Growth and Regeneration: Current Understanding and Novel Paradigms. *Dermatology*, **2020**, 236, 271-280	4.4	30
87	Burns: modified metabolism and the nuances of nutrition therapy. *Journal of Wound Care*, **2020**, 29, 184-191	2.2	4
86	Cryopreserved human skin allografts promote angiogenesis and dermal regeneration in a murine model. *International Wound Journal*, **2020**, 17, 925-936	2.6	7
85	Plastic Surgery Research: A Means to an End?. *Plastic and Reconstructive Surgery*, **2020**, 145, 890e-892e	2.7	2
84	The association of burn patient volume with patient safety indicators and mortality in the US. *Burns* , **2020**, 46, 44-51	2.3	5
83	Prrx1 Fibroblasts Represent a Pro-fibrotic Lineage in the Mouse Ventral Dermis. *Cell Reports*, **2020**, 33, 108356	10.6	15

82	Innovation in Plastic Surgery: A Call for Re-Emergence of the Surgeon-Scientist. *Plastic and Reconstructive Surgery*, **2020**, 145, 892e	2.7	1
81	A single-center blinded randomized clinical trial to evaluate the anti-aging effects of a novel HSF‐based skin care formulation. *Journal of Cosmetic Dermatology*, **2020**, 19, 2936-2945	2.5	
80	Digit Tip Injuries: Current Treatment and Future Regenerative Paradigms. *Stem Cells International*, **2019**, 2019, 9619080	5	5
79	Models for the Study of Fibrosis. *Advances in Wound Care*, **2019**, 8, 645-654	4.8	14
78	Homelessness and Inpatient Burn Outcomes in the United States. *Journal of Burn Care and Research* , **2019**, 40, 633-638	0.8	5
77	Optimising management of self-inflicted burns: a retrospective review. *Journal of Wound Care*, **2019**, 28, 317-322	2.2	
76	Optimization of transdermal deferoxamine leads to enhanced efficacy in healing skin wounds. *Journal of Controlled Release*, **2019**, 308, 232-239	11.7	11
75	Wnt Signaling During Cutaneous Wound Healing **2019**, 147-155		1
74	Bone Repair and Regeneration Are Regulated by the Wnt Signaling Pathway **2019**, 231-245		
73	Spotlight in Plastic Surgery. *Plastic and Reconstructive Surgery*, **2019**, 143, 1278-1281	2.7	
72	Cognitive Independence in Plastic Surgery Training: The Value of Professional Development. *Plastic and Reconstructive Surgery*, **2019**, 144, 153e-154e	2.7	1
71	Increasing ambulatory treatment of pediatric minor burns-The emerging paradigm for burn care in children. *Burns*, **2019**, 45, 165-172	2.3	4
70	Small molecule inhibition of dipeptidyl peptidase-4 enhances bone marrow progenitor cell function and angiogenesis in diabetic wounds. *Translational Research*, **2019**, 205, 51-63	11	11
69	Age-associated intracellular superoxide dismutase deficiency potentiates dermal fibroblast dysfunction during wound healing. *Experimental Dermatology*, **2019**, 28, 485-492	4	25
68	Wnt Pathway in Bone Repair and Regeneration - What Do We Know So Far. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 170	5.7	87
67	An Improved Humanized Mouse Model for Excisional Wound Healing Using Double Transgenic Mice. *Advances in Wound Care*, **2018**, 7, 11-17	4.8	8
66	Role of Wnt signaling during inflammation and sepsis: A review of the literature. *International Journal of Artificial Organs*, **2018**, 41, 247-253	1.9	16
65	Pathway Analysis of Gene Expression in Murine Fetal and Adult Wounds. *Advances in Wound Care*, **2018**, 7, 262-275	4.8	2

64	Trends and inpatient outcomes for palliative care services in major burn patients: A 10-year analysis of the nationwide inpatient sample. *Burns*, **2018**, 44, 1903-1909	2.3	13
63	Fibrin Glue Enhances Adipose-Derived Stromal Cell Cytokine Secretion and Survival Conferring Accelerated Diabetic Wound Healing. *Stem Cells International*, **2018**, 2018, 1353085	5	4
62	Single Stage Repair of #30 Facial Cleft with Bone Morphogenic Protein. *Plastic and Reconstructive Surgery - Global Open*, **2018**, 6, e1937	1.2	4
61	Pharmacological rescue of diabetic skeletal stem cell niches. *Science Translational Medicine*, **2017**, 9,	17.5	53
60	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	2.7	36
59	Reverse Radial Forearm Flap. *Plastic and Reconstructive Surgery - Global Open*, **2017**, 5, e1287	1.2	3
58	Ultrasound-assisted liposuction provides a source for functional adipose-derived stromal cells. *Cytotherapy*, **2017**, 19, 1491-1500	4.8	20
57	Continuous hemoadsorption with a cytokine adsorber during sepsis - a review of the literature. *International Journal of Artificial Organs*, **2017**, 40, 205-211	1.9	32
56	The Role of Focal Adhesion Kinase in Keratinocyte Fibrogenic Gene Expression. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	17
55	Delivery of monocyte lineage cells in a biomimetic scaffold enhances tissue repair. *JCI Insight*, **2017**, 2,	9.9	39
54	Microfluidic single-cell transcriptional analysis rationally identifies novel surface marker profiles to enhance cell-based therapies. *Nature Communications*, **2016**, 7, 11945	17.4	36
53	Murine Dermal Fibroblast Isolation by FACS. *Journal of Visualized Experiments*, **2016**,	1.6	11
52	Suction assisted liposuction does not impair the regenerative potential of adipose derived stem cells. *Journal of Translational Medicine*, **2016**, 14, 126	8.5	23
51	Challenges and Opportunities in Drug Delivery for Wound Healing. *Advances in Wound Care*, **2016**, 5, 79-88	4.8	64
50	Stem Cells in Wound Healing: The Future of Regenerative Medicine? A Mini-Review. *Gerontology*, **2016**, 62, 216-25	5.5	140
49	Adipose-Derived Stem Cell-Seeded Hydrogels Increase Endogenous Progenitor Cell Recruitment and Neovascularization in Wounds. *Tissue Engineering - Part A*, **2016**, 22, 295-305	3.9	43
48	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	3.9	8
47	Short Hairpin RNA Silencing of PHD-2 Improves Neovascularization and Functional Outcomes in Diabetic Wounds and Ischemic Limbs. *PLoS ONE*, **2016**, 11, e0150927	3.7	14

46	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	4.1	11
45	Extracellular superoxide dismutase deficiency impairs wound healing in advanced age by reducing neovascularization and fibroblast function. *Experimental Dermatology*, **2016**, 25, 206-11	4	25
44	Multiple Subsets of Brain Tumor Initiating Cells Coexist in Glioblastoma. *Stem Cells*, **2016**, 34, 1702-7	5.8	14
43	Sutureless Microsurgical Anastomosis Using an Optimized Thermoreversible Intravascular Poloxamer Stent. *Plastic and Reconstructive Surgery*, **2016**, 137, 546-556	2.7	6
42	Ultrasound-Assisted Liposuction Does Not Compromise the Regenerative Potential of Adipose-Derived Stem Cells. *Stem Cells Translational Medicine*, **2016**, 5, 248-57	6.9	29
41	Skin fibrosis. Identification and isolation of a dermal lineage with intrinsic fibrogenic potential. *Science*, **2015**, 348, aaa2151	33.3	362
40	Injuries to appendage extremities and digit tips: A clinical and cellular update. *Developmental Dynamics*, **2015**, 244, 641-50	2.9	11
39	Medical leech therapy in plastic reconstructive surgery. *Wiener Medizinische Wochenschrift*, **2015**, 165, 419-25	2.9	15
38	Wnt signaling induces epithelial differentiation during cutaneous wound healing. *Organogenesis*, **2015**, 11, 95-104	1.7	43
37	Delivery of Macrophages in a Biomimetic Scaffold Accelerates Diabetic Wound Healing Through Enhanced Angiogenesis. *Journal of the American College of Surgeons*, **2015**, 221, S113-S114	4.4	4
36	Cell recruitment by amnion chorion grafts promotes neovascularization. *Journal of Surgical Research*, **2015**, 193, 953-962	2.5	55
35	Live fibroblast harvest reveals surface marker shift in vitro. *Tissue Engineering - Part C: Methods*, **2015**, 21, 314-21	2.9	21
34	What Makes a Plastic Surgery Residency Program Attractive? An Applicant\s Perspective. *Plastic and Reconstructive Surgery*, **2015**, 136, 189-196	2.7	49
33	A mouse fetal skin model of scarless wound repair. *Journal of Visualized Experiments*, **2015**, 52297	1.6	10
32	Scarless wound healing: chasing the holy grail. *Plastic and Reconstructive Surgery*, **2015**, 135, 907-917	2.7	97
31	Fibroblast-Specific Deletion of Hypoxia Inducible Factor-1 Critically Impairs Murine Cutaneous Neovascularization and Wound Healing. *Plastic and Reconstructive Surgery*, **2015**, 136, 1004-1013	2.7	37
30	Skeletal Stem Cell Niche Aberrancies Underlie Impaired Fracture Healing in a Mouse Model of Type 2 Diabetes. *Plastic and Reconstructive Surgery*, **2015**, 136, 73	2.7	2
29	Exercise induces stromal cell-derived factor-1□mediated release of endothelial progenitor cells with increased vasculogenic function. *Plastic and Reconstructive Surgery*, **2015**, 135, 340e-350e	2.7	29

28	Studies in Fat Grafting: Part V. Cell-Assisted Lipotransfer to Enhance Fat Graft Retention Is Dose Dependent. *Plastic and Reconstructive Surgery*, **2015**, 136, 67-75	2.7	78
27	Evaluating the Effect of Cell Culture on Gene Expression in Primary Tissue Samples Using Microfluidic-Based Single Cell Transcriptional Analysis. *Microarrays (Basel, Switzerland)*, **2015**, 4, 540-50		30
26	Stem Cell-Based Therapeutics to Improve Wound Healing. *Plastic Surgery International*, **2015**, 2015, 383581		24
25	High-Throughput Screening of Surface Marker Expression on Undifferentiated and Differentiated Human Adipose-Derived Stromal Cells. *Tissue Engineering - Part A*, **2015**, 21, 2281-91	3.9	30
24	Gigantic LCFA-SCIP Mosaic Flap for Upper Extremity Reconstruction. *Plastic and Reconstructive Surgery - Global Open*, **2015**, 3, e506	1.2	1
23	Transdermal deferoxamine prevents pressure-induced diabetic ulcers. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 94-9	11.5	113
22	Aging disrupts cell subpopulation dynamics and diminishes the function of mesenchymal stem cells. *Scientific Reports*, **2014**, 4, 7144	4.9	108
21	Tissue engineering and regenerative repair in wound healing. *Annals of Biomedical Engineering*, **2014**, 42, 1494-507	4.7	102
20	Diabetes impairs the angiogenic potential of adipose-derived stem cells by selectively depleting cellular subpopulations. *Stem Cell Research and Therapy*, **2014**, 5, 79	8.3	112
19	Diabetes irreversibly depletes bone marrow-derived mesenchymal progenitor cell subpopulations. *Diabetes*, **2014**, 63, 3047-56	0.9	55
18	Gene expression in fetal murine keratinocytes and fibroblasts. *Journal of Surgical Research*, **2014**, 190, 344-57	2.5	20
17	Mechanotransduction and fibrosis. *Journal of Biomechanics*, **2014**, 47, 1997-2005	2.9	118
16	Abstract 10: Global and Endothelial Cell Specific Deletion of SDF-1 Results in Delayed Wound Healing. *Plastic and Reconstructive Surgery*, **2014**, 133, 20	2.7	18
15	Abstract 135: improved engraftment of autologous skin grafts in diabetic mice with adipose-derived stem cells. *Plastic and Reconstructive Surgery*, **2014**, 133, 151	2.7	
14	What Makes a Plastic Surgery Residency Attractive. *Plastic and Reconstructive Surgery*, **2014**, 134, 63-64	2.7	
13	Adipose Derived Stromal Cells Obtained by Ultrasound Assisted Liposuction Versus Suction Assisted Liposuction. *Plastic and Reconstructive Surgery*, **2014**, 134, 56-57	2.7	
12	Wound healing: an update. *Regenerative Medicine*, **2014**, 9, 817-30	2.5	63
11	Burns ITU admissions: length of stay in specific levels of care for adult and paediatric patients. *Burns*, **2014**, 40, 1458-62	2.3	11

10	Noncontact, low-frequency ultrasound therapy enhances neovascularization and wound healing in diabetic mice. *Plastic and Reconstructive Surgery*, **2014**, 134, 402e-411e	2.7	30
9	Understanding regulatory pathways of neovascularization in diabetes. *Expert Review of Endocrinology and Metabolism*, **2014**, 9, 487-501	4.1	1
8	Epidermal or dermal specific knockout of PHD-2 enhances wound healing and minimizes ischemic injury. *PLoS ONE*, **2014**, 9, e93373	3.7	22
7	Abstract 8: SDF-1 Regulates Adipose Niche Homeostasis and Adipose Derived Stromal Cell Function. *Plastic and Reconstructive Surgery*, **2014**, 133, 15-16	2.7	2
6	Biological therapies for the treatment of cutaneous wounds: phase III and launched therapies. *Expert Opinion on Biological Therapy*, **2013**, 13, 1523-41	5.4	44
5	The use of robotics in otolaryngology-head and neck surgery: a systematic review. *American Journal of Otolaryngology - Head and Neck Medicine and Surgery*, **2012**, 33, 137-46	2.8	34
4	Ultrasonography of simple intratesticular cysts: a 13 year experience in a single centre. *Diagnostic Pathology*, **2011**, 6, 24	3	6
3	Wnt ligand expression in malignant melanoma: new insights. *European Journal of Plastic Surgery*,1	0.6	
2	Wnt signaling and Hedgehog expression in basal cell carcinoma. *European Journal of Plastic Surgery*,1	0.6	
1	Endothelial CXCL12 regulates neovascularization during tissue repair and tumor progression		2