

Hans-GÃ¼nther Machens

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4240417/publications.pdf>

Version: 2024-02-01

76
papers

2,189
citations

257450

24
h-index

254184

43
g-index

78
all docs

78
docs citations

78
times ranked

2975
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxia Preconditioned Serum (HPS)-Hydrogel Can Accelerate Dermal Wound Healing in Mice An In Vivo Pilot Study. <i>Biomedicines</i> , 2022, 10, 176.	3.2	5
2	Milk exosomes-mediated miR-31-5p delivery accelerates diabetic wound healing through promoting angiogenesis. <i>Drug Delivery</i> , 2022, 29, 214-228.	5.7	88
3	Regulation of endothelial progenitor cell functions during hyperglycemia: new therapeutic targets in diabetic wound healing. <i>Journal of Molecular Medicine</i> , 2022, 100, 485-498.	3.9	8
4	Calcium ion cross-linked sodium alginate hydrogels containing deferoxamine and copper nanoparticles for diabetic wound healing. <i>International Journal of Biological Macromolecules</i> , 2022, 202, 657-670.	7.5	42
5	States and Fates of Skin Fibroblasts Revealed through Chromatin Accessibility. <i>Journal of Investigative Dermatology</i> , 2022, , .	0.7	0
6	A Modified Burn Comb Model With a New Dorsal Frame That Allows for Local Treatment in Partial-Thickness Burns in Rats. <i>Journal of Burn Care and Research</i> , 2022, , .	0.4	1
7	Neutrophils direct preexisting matrix to initiate repair in damaged tissues. <i>Nature Immunology</i> , 2022, 23, 518-531.	14.5	37
8	Visualizing Scar Development Using SCAD Assay - An Ex-situ Skin Scarring Assay. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	0
9	Hypoxia Preconditioned Serum (HPS) Promotes Osteoblast Proliferation, Migration and Matrix Deposition. <i>Biomedicines</i> , 2022, 10, 1631.	3.2	4
10	Erythropoietin can partially restore cigarette smoke induced effects on Adipose derived Stem Cells. <i>Clinical Hemorheology and Microcirculation</i> , 2021, 77, 27-36.	1.7	1
11	Quality of Life and Satisfaction in Transgender Men After Phalloplasty in a Retrospective Study. <i>Annals of Plastic Surgery</i> , 2021, 87, 91-97.	0.9	8
12	Quality of Life after Rhinoplasty: A Prospective Study. <i>Facial Plastic Surgery</i> , 2021, 37, 639-645.	0.9	8
13	The whole profiling and competing endogenous RNA network analyses of noncoding RNAs in adipose-derived stem cells from diabetic, old, and young patients. <i>Stem Cell Research and Therapy</i> , 2021, 12, 313.	5.5	28
14	NRF2 signalling pathway: New insights and progress in the field of wound healing. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5857-5868.	3.6	27
15	Bacterial bioburden of wounds: influence of debridement and negative-pressure wound therapy (NPWT). <i>Journal of Wound Care</i> , 2021, 30, 604-611.	1.2	3
16	Geographical differences in carpometacarpal joint osteoarthritis treatment of the thumb: A survey of 1138 hand surgeons from the USA and Europe. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 1854-1861.	1.0	7
17	Wound fluid under occlusive dressings from diabetic patients show an increased angiogenic response and fibroblast migration. <i>Journal of Tissue Viability</i> , 2021, 30, 446-453.	2.0	2
18	SESN2 protects against denervated muscle atrophy through unfolded protein response and mitophagy. <i>Cell Death and Disease</i> , 2021, 12, 805.	6.3	15

#	ARTICLE	IF	CITATIONS
19	Social Media Marketing: What Do Prospective Patients Want to See?. <i>Aesthetic Surgery Journal</i> , 2020, 40, 577-583.	1.6	20
20	Denervation drives skeletal muscle atrophy and induces mitochondrial dysfunction, mitophagy and apoptosis via miR-142a-5p/MFN1 axis. <i>Theranostics</i> , 2020, 10, 1415-1432.	10.0	65
21	Towards a biotechnological platform for the production of human pro-angiogenic growth factors in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 725-739.	3.6	20
22	Effect of Hypoxia Preconditioned Secretomes on Lymphangiogenic and Angiogenic Sprouting: An in Vitro Analysis. <i>Biomedicines</i> , 2020, 8, 365.	3.2	11
23	The Usage of Pedicled or Free Muscle Flaps Represents a Beneficial Approach for Periprosthetic Infection After Knee Arthroplasty. <i>Annals of Plastic Surgery</i> , 2020, 85, 539-545.	0.9	5
24	Do your surgical glove characteristics and wearing habits affect your tactile sensibility?. <i>Annals of Medicine and Surgery</i> , 2020, 57, 281-286.	1.1	4
25	Use of Oral Anticoagulation and Diabetes Do Not Inhibit the Angiogenic Potential of Hypoxia Preconditioned Blood-Derived Secretomes. <i>Biomedicines</i> , 2020, 8, 283.	3.2	9
26	Transparent PDMS Bioreactors for the Fabrication and Analysis of Multi-Layer Pre-vascularized Hydrogels Under Continuous Perfusion. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 568934.	4.1	13
27	The Construction and Analysis of lncRNA-miRNA-mRNA Competing Endogenous RNA Network of Schwann Cells in Diabetic Peripheral Neuropathy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 490.	4.1	19
28	Deferoxamine enhances the regenerative potential of diabetic Adipose Derived Stem Cells. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020, 73, 1738-1746.	1.0	5
29	Overexpression of microRNA-21-5p prevents the oxidative stress-induced apoptosis of RSC96 cells by suppressing autophagy. <i>Life Sciences</i> , 2020, 256, 118022.	4.3	13
30	Tumor-associated collagen signatures: pushing tumor boundaries. <i>Cancer & Metabolism</i> , 2020, 8, 14.	5.0	40
31	Comparative Evaluation of the Angiogenic Potential of Hypoxia Preconditioned Blood-Derived Secretomes and Platelet-Rich Plasma: An In Vitro Analysis. <i>Biomedicines</i> , 2020, 8, 16.	3.2	11
32	Total arthroplasty with Ivory® prosthesis versus resection-suspension arthroplasty: a retrospective cohort study on 82 carpometacarpal-I osteoarthritis patients over 4 years. <i>European Journal of Medical Research</i> , 2020, 25, 13.	2.2	7
33	Oncogenic Linear Collagen VI of Invasive Breast Cancer Is Induced by CCL5. <i>Journal of Clinical Medicine</i> , 2020, 9, 991.	2.4	13
34	Differentiated human adipose-derived stromal cells exhibit the phenotypic and functional characteristics of mature Schwann cells through a modified approach. <i>Cytotherapy</i> , 2019, 21, 987-1003.	0.7	17
35	Novel Assay Analyzing Tropism between Adipose-Derived Stem Cells and Breast Cancer Cells Reveals a Low Oncogenic Response. <i>Breast Care</i> , 2019, 14, 278-288.	1.4	5
36	Microvesicles from human adipose stem cells promote wound healing by optimizing cellular functions via AKT and ERK signaling pathways. <i>Stem Cell Research and Therapy</i> , 2019, 10, 47.	5.5	186

#	ARTICLE	IF	CITATIONS
37	Exosomes from human adipose-derived stem cells promote sciatic nerve regeneration via optimizing Schwann cell function. <i>Journal of Cellular Physiology</i> , 2019, 234, 23097-23110.	4.1	85
38	In Vitro Characterization of Hypoxia Preconditioned Serum (HPS)-Fibrin Hydrogels: Basis for an Injectable Biomimetic Tissue Regeneration Therapy. <i>Journal of Functional Biomaterials</i> , 2019, 10, 22.	4.4	10
39	Quality of life following aesthetic liposuction: A prospective outcome study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2019, 72, 1363-1372.	1.0	11
40	Microarray analyses of lncRNAs and mRNAs expression profiling associated with diabetic peripheral neuropathy in rats. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15347-15359.	2.6	34
41	The Effect of Blepharoplasty on Our Patient's Quality of Life, Emotional Stability, and Self-Esteem. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 377-383.	0.7	17
42	Posterior intercostal artery perforator flap for posterior trunk reconstruction: Perforator mapping with high-resolution ultrasound and clinical application. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2019, 72, 737-743.	1.0	5
43	Therapeutic potential of endogenous stem cells and cellular factors for scar-free skin regeneration. <i>Drug Discovery Today</i> , 2019, 24, 69-84.	6.4	10
44	Long-term pre- and postconditioning with low doses of erythropoietin protects critically perfused musculocutaneous tissue from necrosis. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2019, 72, 590-599.	1.0	4
45	Advanced cutaneous squamous cell carcinoma: A retrospective analysis of patient profiles and treatment patterns—Results of a non-interventional study of the DeCOG. <i>European Journal of Cancer</i> , 2018, 96, 34-43.	2.8	97
46	Male-to-Female Sex Reassignment Surgery using the Combined Vaginoplasty Technique: Satisfaction of Transgender Patients with Aesthetic, Functional, and Sexual Outcomes. <i>Aesthetic Plastic Surgery</i> , 2018, 42, 178-187.	0.9	60
47	A Randomized Controlled Trial: Regenerative Effects, Efficacy and Safety of Erythropoietin in Burn and Scalding Injuries. <i>Frontiers in Pharmacology</i> , 2018, 9, 951.	3.5	10
48	Development of photosynthetic sutures for the local delivery of oxygen and recombinant growth factors in wounds. <i>Acta Biomaterialia</i> , 2018, 81, 184-194.	8.3	57
49	Comprehensive analysis of differentially expressed microRNAs and mRNAs in dorsal root ganglia from streptozotocin-induced diabetic rats. <i>PLoS ONE</i> , 2018, 13, e0202696.	2.5	14
50	Breast cancer recurrence after reconstruction: know thine enemy. <i>Oncotarget</i> , 2018, 9, 27895-27906.	1.8	22
51	Nano-formulated curcumin accelerates acute wound healing through Dkk-1-mediated fibroblast mobilization and MCP-1-mediated anti-inflammation. <i>NPG Asia Materials</i> , 2017, 9, e368-e368.	7.9	111
52	Quality of Life—Changes after Rhinoplasty. <i>Facial Plastic Surgery</i> , 2017, 33, 530-536.	0.9	14
53	High Efficiency Low Cost Fibroblast Nucleofection for GMP Compatible Cell-based Gene Therapy. <i>International Journal of Medical Sciences</i> , 2017, 14, 798-803.	2.5	8
54	Biodegradable poly (lactic acid-co-glycolic acid) scaffolds as carriers for genetically-modified fibroblasts. <i>PLoS ONE</i> , 2017, 12, e0174860.	2.5	9

#	ARTICLE	IF	CITATIONS
55	Acute stimulation of mesenchymal stem cells with cigarette smoke extract affects their migration, differentiation and paracrine potential. <i>Scientific Reports</i> , 2016, 6, 22957.	3.3	36
56	Ultrasound-Assisted Liposuction Does Not Compromise the Regenerative Potential of Adipose-Derived Stem Cells. <i>Stem Cells Translational Medicine</i> , 2016, 5, 248-257.	3.3	40
57	VEGF released by deferoxamine preconditioned mesenchymal stem cells seeded on collagen-GAG substrates enhances neovascularization. <i>Scientific Reports</i> , 2016, 6, 36879.	3.3	33
58	Suction assisted liposuction does not impair the regenerative potential of adipose derived stem cells. <i>Journal of Translational Medicine</i> , 2016, 14, 126.	4.4	32
59	Towards autotrophic tissue engineering: Photosynthetic gene therapy for regeneration. <i>Biomaterials</i> , 2016, 75, 25-36.	11.4	92
60	Free flap engraftment despite early pedicle thrombosis due to antithrombin deficiency. <i>European Journal of Plastic Surgery</i> , 2015, 38, 499-502.	0.6	1
61	Hydrogels for Engineering of Perfusable Vascular Networks. <i>International Journal of Molecular Sciences</i> , 2015, 16, 15997-16016.	4.1	204
62	Skin regeneration in deep second-degree scald injuries either by infusion pumping or topical application of recombinant human erythropoietin gel. <i>Drug Design, Development and Therapy</i> , 2015, 9, 2565.	4.3	19
63	The Fibrin Matrix Regulates Angiogenic Responses within the Hemostatic Microenvironment through Biochemical Control. <i>PLoS ONE</i> , 2015, 10, e0135618.	2.5	43
64	Activation of Cell Surface Bound 20S Proteasome Inhibits Vascular Cell Growth and Arteriogenesis. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	5
65	<i>In Vitro</i> Evaluation of Scaffolds for the Delivery of Mesenchymal Stem Cells to Wounds. <i>BioMed Research International</i> , 2015, 2015, 1-14.	1.9	52
66	Free Lateral Great Toe Flap for the Reconstruction of Finger Pulp Defects. <i>Journal of Reconstructive Microsurgery</i> , 2015, 31, 277-282.	1.8	17
67	Dorsal plane-shaped advancement flap for the reconstruction of web space in syndactyly without skin grafting: A preliminary report. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2015, 68, e167-e173.	1.0	9
68	Photosynthetic biomaterials: A pathway towards autotrophic tissue engineering. <i>Acta Biomaterialia</i> , 2015, 15, 39-47.	8.3	79
69	Breast Reconstruction after Mastectomy. <i>Frontiers in Surgery</i> , 2015, 2, 71.	1.4	53
70	Surgical Sutures Filled with Adipose-Derived Stem Cells Promote Wound Healing. <i>PLoS ONE</i> , 2014, 9, e91169.	2.5	33
71	Ischemic Tissue Injury in the Dorsal Skinfold Chamber of the Mouse: A Skin Flap Model to Investigate Acute Persistent Ischemia. <i>Journal of Visualized Experiments</i> , 2014, , e51900.	0.3	9
72	Development of photosynthetic biomaterials for in vitro tissue engineering. <i>Acta Biomaterialia</i> , 2014, 10, 2712-2717.	8.3	80

#	ARTICLE	IF	CITATIONS
73	Innovations in wound medicine. Wound Medicine, 2014, 4, 9-12.	2.7	3
74	A Full Skin Defect Model to Evaluate Vascularization of Biomaterials <i>In Vivo</i> . Journal of Visualized Experiments, 2014, , .	0.3	13
75	Structural Fat Grafting for Rejuvenation of the Hand: How Much Volume Do We Get?. Current Therapies in Regenerative Medicine, 2013, , 287-296.	0.0	2
76	Histological analysis of capsule formation around silicone implants and comparison with titanium-coated silicone implants in rats. European Journal of Plastic Surgery, 2012, 35, 19-24.	0.6	6