

# Sebastian Gehmert

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,578  
citations

393982

19  
h-index

315357

38  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intra-individual comparison of human nasal chondrocytes and debrided knee chondrocytes: Relevance for engineering autologous cartilage grafts. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 74, 67-78.	0.9	20
2	Enhanced Resorption of Liposomal Packed Vitamin C Monitored by Ultrasound. <i>Journal of Clinical Medicine</i> , 2020, 9, 1616.	1.0	9
3	Lipolytic effects of nano particle sized polyenylphosphatidylcholine on adipose tissue: First promising in vitro and in vivo results. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 75, 189-199.	0.9	3
4	Bone Crushing in Infected Pseudarthrosis - An Extraordinary Way to Treat Osteomyelitis Caused by Resistant Bacteria. <i>Journal of Orthopaedic Case Reports</i> , 2020, 9, 74-77.	0.1	1
5	Extent of Inflammation and Foreign Body Reaction to Porous Polyethylene <i>In Vitro</i> and <i>In Vivo</i> . <i>In Vivo</i> , 2019, 33, 337-347.	0.6	10
6	PDGF regulated migration of mesenchymal stem cells towards malignancy acts via the PI3K signaling pathway. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 70, 543-551.	0.9	36
7	Tissue engineering for paediatric patients. <i>Swiss Medical Weekly</i> , 2019, 149, w20032.	0.8	7
8	Gain of lengthâ€“loss of strength? Alteration in muscle strength after femoral leg lengthening in young patients: a prospective longitudinal observational study. <i>Journal of Pediatric Orthopaedics Part B</i> , 2018, 27, 399-403.	0.3	3
9	3D analysis of Osteosyntheses material using semi-automated CT segmentation: a case series of a 4 corner fusion plate. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 52.	0.8	3
10	Reduction Osteotomy of the Prominent Tibial Tubercle After Osgood-Schlatter Disease. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2017, 33, 1551-1557.	1.3	13
11	Semi-automated extraction and characterization of Stromal Vascular Fraction using a new medical device. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 64, 403-412.	0.9	9
12	Leukocyte-reduced platelet-rich plasma stimulates the in vitro proliferation of adipose-tissue derived mesenchymal stem cells depending on PDGF signaling. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 183-196.	0.9	6
13	True Angle between Anterior-Posterior Impingement in Total Hip Arthroplasty: Why Common Constrained Cups have to Fail. <i>Global Journal of Technology and Optimization</i> , 2016, 7, .	0.2	0
14	Leukocyte-Reduced Platelet-Rich Plasma Treatment of Basal Thumb Arthritis: A Pilot Study. <i>BioMed Research International</i> , 2016, 2016, 1-6.	0.9	32
15	Leukocyte-Reduced Platelet-Rich Plasma Alters Protein Expression of Adipose Tissueâ€“Derived Mesenchymal Stem Cells. <i>Plastic and Reconstructive Surgery</i> , 2016, 138, 397-408.	0.7	15
16	Effects on the Distal Radioulnar Joint of Ablation of Triangular Fibrocartilage Complex Tears With Radiofrequency Energy. <i>Journal of Hand Surgery</i> , 2016, 41, 1080-1086.	0.7	4
17	The effect of leukocyte-reduced platelet-rich plasma on the proliferation of autologous adipose-tissue derived mesenchymal stem cells. <i>Clinical Hemorheology and Microcirculation</i> , 2016, 61, 599-614.	0.9	21
18	Transcription Profile in Sporadic Multiple Symmetric Lipomatosis Reveals Differential Expression at the Level of Adipose Tissueâ€“Derived Stem Cells. <i>Plastic and Reconstructive Surgery</i> , 2016, 137, 1181-1190.	0.7	19

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19	Temperature in and Around the Scapholunate Ligament During Radiofrequency Shrinkage: A Cadaver Study. <i>Journal of Hand Surgery</i> , 2015, 40, 259-265.	0.7	3
20	RFE based chondroplasty in wrist arthroscopy indicates high risk for chondrocytes especially for the bipolar application. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 6.	0.8	4
21	Luminescent Dual Sensors Reveal Extracellular pH-Gradients and Hypoxia on Chronic Wounds That Disrupt Epidermal Repair. <i>Theranostics</i> , 2014, 4, 721-735.	4.6	117
22	Contrast-enhanced ultrasound (CEUS) detects effects of vascular disrupting therapy in an experimental model of gastric cancer. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 56, 287-299.	0.9	8
23	Adipose Tissue-Derived Stem Cell Secreted IGF-1 Protects Myoblasts from the Negative Effect of Myostatin. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	18
24	Type I Collagen Nerve Conduits for Median Nerve Repairs in the Forearm. <i>Journal of Hand Surgery</i> , 2013, 38, 1119-1124.	0.7	31
25	Temperature Profile of Radiofrequency Probe Application in Wrist Arthroscopy: Monopolar Versus Bipolar. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 645-652.	1.3	16
26	Evidenzbasierte topische Therapie chronischer Wunden nach dem T.I.M.E.-Prinzip. <i>JDDG - Journal of the German Society of Dermatology</i> , 2013, 11, 819-830.	0.4	2
27	Stem cell-based tissue-engineering for treatment of meniscal tears in the avascular zone. , 2013, 101, 1133-1142.		90
28	Evidence-based topical management of chronic wounds according to the T.I.M.E. principle. <i>JDDG - Journal of the German Society of Dermatology</i> , 2013, 11, 819-829.	0.4	21
29	Contrast enhanced ultrasound (CEUS) and time intensity curve (TIC) analysis in compartment syndrome: First results. <i>Clinical Hemorheology and Microcirculation</i> , 2012, 50, 1-11.	0.9	21
30	STAT5b as Molecular Target in Pancreatic Cancer – Inhibition of Tumor Growth, Angiogenesis, and Metastases. <i>Neoplasia</i> , 2012, 14, 915-922.	2.3	28
31	A tunable luminescent pH sensor and its use for wound imaging <i>in vivo</i> . <i>Experimental Dermatology</i> , 2012, 21, 951-953.	1.4	53
32	Successful treatment of nonunion in severe finger injury with low-intensity pulsed ultrasound (LIPUS): a case report. <i>Journal of Medical Case Reports</i> , 2012, 6, 209.	0.4	7
33	Noninvasive <i>in vivo</i> assessment of muscle impairment in the mdx mouse model – A comparison of two common wire hanging methods with two different results. <i>Journal of Neuroscience Methods</i> , 2012, 203, 292-297.	1.3	49
34	Angiogenesis: The role of PDGF-BB on Adipose-tissue derived Stem Cells (ASCs). <i>Clinical Hemorheology and Microcirculation</i> , 2011, 48, 5-13.	0.9	50
35	Fibroblasts share mesenchymal phenotypes with stem cells, but lack their differentiation and colony-forming potential. <i>Biology of the Cell</i> , 2011, 103, 197-208.	0.7	180
36	Limitation of <i>in vivo</i> models investigating angiogenesis in breast cancer. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 49, 519-526.	0.9	11

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37	Assessment of bone microcirculation by contrast-enhanced ultrasound (CEUS) and [18F]-positron emission tomography/computed tomography in free osseous and osseocutaneous flaps for mandibular reconstruction: Preliminary results. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 49, 115-128.	0.9	13
38	Fibroblasts share mesenchymal phenotypes with stem cells, but lack their differentiation and colony-forming potential. <i>Biology of the Cell</i> , 2011, 103, 403-403.	0.7	2
39	Successful Reconstruction of Sternum With a Scapular Autograft Segment: 5-Year Follow-Up. <i>Annals of Thoracic Surgery</i> , 2011, 92, 1889-1891.	0.7	5
40	Evaluation of hyperbaric oxygen therapy for free flaps using planar optical oxygen sensors. Preliminary results. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 48, 75-79.	0.9	20
41	TTP (time to PEAK) and RBV (regional blood volume) as valuable parameters to detect early flap failure. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 48, 81-94.	0.9	16
42	PDGF and bFGF Modulate Tube Formation in Adipose Tissue-Derived Stem Cells. <i>Annals of Plastic Surgery</i> , 2010, 64, 487-490.	0.5	23
43	Effect of freshly isolated autologous tissue resident stromal cells on cardiac function and perfusion following acute myocardial infarction. <i>International Journal of Cardiology</i> , 2010, 144, 26-35.	0.8	49
44	Breast cancer cells attract the migration of adipose tissue-derived stem cells via the PDGF-BB/PDGFR- $\beta$ signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 601-605.	1.0	56
45	Interleukin-1 Beta Single-Nucleotide Polymorphism's C Allele is Associated with Elevated Risk of Gastric Cancer in Helicobacter pylori-Infected Peruvians. <i>American Journal of Tropical Medicine and Hygiene</i> , 2009, 81, 804-810.	0.6	17
46	The anti-apoptotic effect of IGF-1 on tissue resident stem cells is mediated via PI3-kinase dependent secreted frizzled related protein 2 (Sfrp2) release. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 752-755.	1.0	33
47	VEGF is critical for spontaneous differentiation of stem cells into cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 999-1003.	1.0	119
48	The cardioprotective effect of mesenchymal stem cells is mediated by IGF-I and VEGF. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 674-679.	1.0	277
49	VEGF receptor Flk-1 plays an important role in c-kit expression in adipose tissue derived stem cells. <i>FEBS Letters</i> , 2007, 581, 4681-4684.	1.3	26
50	Real-Time Tracking of Fusion Between Adipose-Tissue Derived Stem Cells and Myocytes Using A Dual Fluorescent Protein Reporter Vector (pLVX-Puro-HS-GR). <i>Materials and Methods</i> , 0, 4, .	0.0	0