

Sebastian Gehmert

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,578
citations

394421
19
h-index

315739
38
g-index

54
all docs

54
docs citations

54
times ranked

2638
citing authors

#	ARTICLE	IF	CITATIONS
1	The cardioprotective effect of mesenchymal stem cells is mediated by IGF-I and VEGF. Biochemical and Biophysical Research Communications, 2007, 363, 674-679.	2.1	277
2	Fibroblasts share mesenchymal phenotypes with stem cells, but lack their differentiation and colony-forming potential. Biology of the Cell, 2011, 103, 197-208.	2.0	180
3	VEGF is critical for spontaneous differentiation of stem cells into cardiomyocytes. Biochemical and Biophysical Research Communications, 2007, 354, 999-1003.	2.1	119
4	Luminescent Dual Sensors Reveal Extracellular pH-Gradients and Hypoxia on Chronic Wounds That Disrupt Epidermal Repair. Theranostics, 2014, 4, 721-735.	10.0	117
5	Stem cell-based tissue-engineering for treatment of meniscal tears in the avascular zone. , 2013, 101, 1133-1142.		90
6	Breast cancer cells attract the migration of adipose tissue-derived stem cells via the PDGF-BB/PDGFR- β signaling pathway. Biochemical and Biophysical Research Communications, 2010, 398, 601-605.	2.1	56
7	A scorable luminescent pH sensor and its use for wound imaging <i>in vivo</i> . Experimental Dermatology, 2012, 21, 951-953.	2.9	53
8	Angiogenesis: The role of PDGF-BB on Adipose-tissue derived Stem Cells (ASCs). Clinical Hemorheology and Microcirculation, 2011, 48, 5-13.	1.7	50
9	Effect of freshly isolated autologous tissue resident stromal cells on cardiac function and perfusion following acute myocardial infarction. International Journal of Cardiology, 2010, 144, 26-35.	1.7	49
10	Noninvasive in vivo assessment of muscle impairment in the mdx mouse model – A comparison of two common wire hanging methods with two different results. Journal of Neuroscience Methods, 2012, 203, 292-297.	2.5	49
11	PDGF regulated migration of mesenchymal stem cells towards malignancy acts via the PI3K signaling pathway. Clinical Hemorheology and Microcirculation, 2019, 70, 543-551.	1.7	36
12	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. Biochemical and Biophysical Research Communications, 2008, 371, 752-755.	2.1	33
13	Leukocyte-Reduced Platelet-Rich Plasma Treatment of Basal Thumb Arthritis: A Pilot Study. BioMed Research International, 2016, 2016, 1-6.	1.9	32
14	Type I Collagen Nerve Conduits for Median Nerve Repairs in the Forearm. Journal of Hand Surgery, 2013, 38, 1119-1124.	1.6	31
15	STAT5b as Molecular Target in Pancreatic Cancer – Inhibition of Tumor Growth, Angiogenesis, and Metastases. Neoplasia, 2012, 14, 915-922.	5.3	28
16	VEGF receptor Flk-1 plays an important role in c-kit expression in adipose tissue derived stem cells. FEBS Letters, 2007, 581, 4681-4684.	2.8	26
17	PDGF and bFGF Modulate Tube Formation in Adipose Tissue-Derived Stem Cells. Annals of Plastic Surgery, 2010, 64, 487-490.	0.9	23
18	Contrast enhanced ultrasound (CEUS) and time intensity curve (TIC) analysis in compartment syndrome: First results. Clinical Hemorheology and Microcirculation, 2012, 50, 1-11.	1.7	21

#	ARTICLE	IF	CITATIONS
19	Evidence-based topical management of chronic wounds according to the T.I.M.E. principle. JDDG - Journal of the German Society of Dermatology, 2013, 11, 819-829.	0.8	21
20	The effect of leukocyte-reduced platelet-rich plasma on the proliferation of autologous adipose-tissue derived mesenchymal stem cells. Clinical Hemorheology and Microcirculation, 2016, 61, 599-614.	1.7	21
21	Evaluation of hyperbaric oxygen therapy for free flaps using planar optical oxygen sensors. Preliminary results. Clinical Hemorheology and Microcirculation, 2011, 48, 75-79.	1.7	20
22	Intra-individual comparison of human nasal chondrocytes and debrided knee chondrocytes: Relevance for engineering autologous cartilage grafts. Clinical Hemorheology and Microcirculation, 2020, 74, 67-78.	1.7	20
23	Transcription Profile in Sporadic Multiple Symmetric Lipomatosis Reveals Differential Expression at the Level of Adipose Tissue-Derived Stem Cells. Plastic and Reconstructive Surgery, 2016, 137, 1181-1190.	1.4	19
24	Adipose Tissue-Derived Stem Cell Secreted IGF-1 Protects Myoblasts from the Negative Effect of Myostatin. BioMed Research International, 2014, 2014, 1-9.	1.9	18
25	Interleukin-1 Beta Single-Nucleotide Polymorphism's C Allele is Associated with Elevated Risk of Gastric Cancer in Helicobacter pylori-Infected Peruvians. American Journal of Tropical Medicine and Hygiene, 2009, 81, 804-810.	1.4	17
26	TTP (time to PEAK) and RBV (regional blood volume) as valuable parameters to detect early flap failure. Clinical Hemorheology and Microcirculation, 2011, 48, 81-94.	1.7	16
27	Temperature Profile of Radiofrequency Probe Application in Wrist Arthroscopy: Monopolar Versus Bipolar. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, 645-652.	2.7	16
28	Leukocyte-Reduced Platelet-Rich Plasma Alters Protein Expression of Adipose Tissue-Derived Mesenchymal Stem Cells. Plastic and Reconstructive Surgery, 2016, 138, 397-408.	1.4	15
29	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. Clinical Hemorheology and Microcirculation, 2011, 49, 115-128.	1.7	13
30	Reduction Osteotomy of the Prominent Tibial Tubercle After Osgood-Schlatter Disease. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2017, 33, 1551-1557.	2.7	13
31	Limitation of in vivo models investigating angiogenesis in breast cancer. Clinical Hemorheology and Microcirculation, 2011, 49, 519-526.	1.7	11
32	Extent of Inflammation and Foreign Body Reaction to Porous Polyethylene <i>In Vitro</i> and <i>In Vivo</i> . In Vivo, 2019, 33, 337-347.	1.3	10
33	Semi-automated extraction and characterization of Stromal Vascular Fraction using a new medical device. Clinical Hemorheology and Microcirculation, 2017, 64, 403-412.	1.7	9
34	Enhanced Resorption of Liposomal Packed Vitamin C Monitored by Ultrasound. Journal of Clinical Medicine, 2020, 9, 1616.	2.4	9
35	Contrast-enhanced ultrasound (CEUS) detects effects of vascular disrupting therapy in an experimental model of gastric cancer. Clinical Hemorheology and Microcirculation, 2014, 56, 287-299.	1.7	8
36	Successful treatment of nonunion in severe finger injury with low-intensity pulsed ultrasound (LIPUS): a case report. Journal of Medical Case Reports, 2012, 6, 209.	0.8	7

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37	Tissue engineering for paediatric patients. Swiss Medical Weekly, 2019, 149, w20032.	1.6	7
38	Leukocyte-reduced platelet-rich plasma stimulates the in vitro proliferation of adipose-tissue derived mesenchymal stem cells depending on PDGF signaling. Clinical Hemorheology and Microcirculation, 2017, 67, 183-196.	1.7	6
39	Successful Reconstruction of Sternum With a Scapular Autograft Segment: 5-Year Follow-Up. Annals of Thoracic Surgery, 2011, 92, 1889-1891.	1.3	5
40	RFE based chondroplasty in wrist arthroscopy indicates high risk for chondrocytes especially for the bipolar application. BMC Musculoskeletal Disorders, 2015, 16, 6.	1.9	4
41	Effects on the Distal Radioulnar Joint of Ablation of Triangular Fibrocartilage Complex Tears With Radiofrequency Energy. Journal of Hand Surgery, 2016, 41, 1080-1086.	1.6	4
42	Temperature in and Around the Scapholunate Ligament During Radiofrequency Shrinkage: A Cadaver Study. Journal of Hand Surgery, 2015, 40, 259-265.	1.6	3
43	Gain of length – loss of strength? Alteration in muscle strength after femoral leg lengthening in young patients: a prospective longitudinal observational study. Journal of Pediatric Orthopaedics Part B, 2018, 27, 399-403.	0.6	3
44	3D analysis of Osteosyntheses material using semi-automated CT segmentation: a case series of a 4 corner fusion plate. BMC Musculoskeletal Disorders, 2018, 19, 52.	1.9	3
45	Lipolytic effects of nano particle sized polyenylphosphatidylcholine on adipose tissue: First promising in vitro and in vivo results. Clinical Hemorheology and Microcirculation, 2020, 75, 189-199.	1.7	3
46	Fibroblasts share mesenchymal phenotypes with stem cells, but lack their differentiation and colony-forming potential. Biology of the Cell, 2011, 103, 403-403.	2.0	2
47	Evidenzbasierte topische Therapie chronischer Wunden nach dem T.I.M.E.-Prinzip. JDDG - Journal of the German Society of Dermatology, 2013, 11, 819-830.	0.8	2
48	Bone Crushing in Infected Pseudarthrosis - An Extraordinary Way to Treat Osteomyelitis Caused by Resistant Bacteria. Journal of Orthopaedic Case Reports, 2020, 9, 74-77.	0.1	1
49	True Angle between Anterior-Posterior Impingement in Total Hip Arthroplasty: Why Common Constrained Cups have to Fail. Global Journal of Technology and Optimization, 2016, 7, .	0.2	0
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). Materials and Methods, 0, 4, .	0.0	0