

Martijn van Griensven

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/50340/publications.pdf>

Version: 2024-02-01

364
papers

13,157
citations

25034

57
h-index

40979

93
g-index

402
all docs

402
docs citations

402
times ranked

14800
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-dose radiation treatment for painful plantar enthesophyte: a highly effective therapy with little side effects. <i>European Journal of Medical Research</i> , 2022, 27, 28.	2.2	1
2	Efficient healing of large osseous segmental defects using optimized chemically modified messenger RNA encoding BMP-2. <i>Science Advances</i> , 2022, 8, eabl6242.	10.3	29
3	Dysregulation of Wnt signaling in bone of type 2 diabetes mellitus and diabetic Charcot arthropathy. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 365.	1.9	5
4	Enthesis Healing Is Dependent on Scaffold Interphase Morphology—Results from a Rodent Patellar Model. <i>Cells</i> , 2022, 11, 1752.	4.1	5
5	Transcript-Activated Coatings on Titanium Mediate Cellular Osteogenesis for Enhanced Osteointegration. <i>Molecular Pharmaceutics</i> , 2021, 18, 1121-1137.	4.6	11
6	A Graded, Porous Composite of Natural Biopolymers and Octacalcium Phosphate Guides Osteochondral Differentiation of Stem Cells. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001692.	7.6	17
7	Application of a Hyperelastic 3D Printed Scaffold for Mesenchymal Stem Cell-Based Fabrication of a Bizonal Tendon Enthesis-like Construct. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	10
8	The potential of adipokines in identifying multiple trauma patients at risk of developing multiple organ dysfunction syndrome. <i>European Journal of Medical Research</i> , 2021, 26, 38.	2.2	3
9	Win, Lose, or Tie: Mathematical Modeling of Ligand Competition at the Cell–Extracellular Matrix Interface. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 657244.	4.1	5
10	The future of basic science in orthopaedics and traumatology: Cassandra or Prometheus?. <i>European Journal of Medical Research</i> , 2021, 26, 56.	2.2	7
11	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
12	Delayed skin reaction after mRNA-1273 vaccine against SARS-CoV-2: a rare clinical reaction. <i>European Journal of Medical Research</i> , 2021, 26, 98.	2.2	16
13	Defining the variety of cell types in developing and adult human kidneys by single-cell RNA sequencing. <i>Npj Regenerative Medicine</i> , 2021, 6, 45.	5.2	23
14	Association of HLA genotypes, ABO blood type and chemokine receptor 5 mutant CD195 with the clinical course of COVID-19. <i>European Journal of Medical Research</i> , 2021, 26, 107.	2.2	12
15	Gene therapy for bone healing: lessons learned and new approaches. <i>Translational Research</i> , 2021, 236, 1-16.	5.0	24
16	Towards understanding the messengers of extracellular space: Computational models of outside-in integrin reaction networks. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 303-314.	4.1	9
17	Direct comparison of 3D and 2D cultivation reveals higher osteogenic capacity of elderly osteoblasts in 3D. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 13.	2.3	10
18	Phosphorous pentoxide-free bioactive glass exhibits dose-dependent angiogenic and osteogenic capacities which are retained in glass polymeric composite scaffolds. <i>Biomaterials Science</i> , 2021, 9, 7876-7894.	5.4	3

#	ARTICLE	IF	CITATIONS
19	miRNAs Related to Different Processes of Fracture Healing: An Integrative Overview. <i>Frontiers in Surgery</i> , 2021, 8, 786564.	1.4	8
20	Lipid Analysis of Fracture Hematoma With MALDI-MSI: Specific Lipids are Associated to Bone Fracture Healing Over Time. <i>Frontiers in Chemistry</i> , 2021, 9, 780626.	3.6	1
21	A nationwide fluidics biobank of polytraumatized patients: implemented by the Network "Trauma Research" (NTF) as an expansion to the TraumaRegister DGU [®] of the German Trauma Society (DGU). <i>European Journal of Trauma and Emergency Surgery</i> , 2020, 46, 499-504.	1.7	3
22	Thirty-Eight-Negative Kinase 1 Is a Mediator of Acute Kidney Injury in Experimental and Clinical Traumatic Hemorrhagic Shock. <i>Frontiers in Immunology</i> , 2020, 11, 2081.	4.8	11
23	Face masks: benefits and risks during the COVID-19 crisis. <i>European Journal of Medical Research</i> , 2020, 25, 32.	2.2	132
24	Measures of infection prevention and incidence of SARS-CoV-2 infections in cancer patients undergoing radiotherapy in Germany, Austria and Switzerland. <i>Strahlentherapie Und Onkologie</i> , 2020, 196, 1068-1079.	2.0	9
25	MCL-1 gains occur with high frequency in lung adenocarcinoma and can be targeted therapeutically. <i>Nature Communications</i> , 2020, 11, 4527.	12.8	32
26	Antimicrobial peptides in human synovial membrane as (low-grade) periprosthetic joint infection biomarkers. <i>European Journal of Medical Research</i> , 2020, 25, 33.	2.2	4
27	The role of passive immunization in the age of SARS-CoV-2: an update. <i>European Journal of Medical Research</i> , 2020, 25, 16.	2.2	20
28	A New Non-invasive Technique for Measuring 3D-Oxygen Gradients in Wells During Mammalian Cell Culture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 595.	4.1	18
29	Effect of donor age and 3D-cultivation on osteogenic differentiation capacity of adipose-derived mesenchymal stem cells. <i>Scientific Reports</i> , 2020, 10, 10408.	3.3	12
30	The history and value of face masks. <i>European Journal of Medical Research</i> , 2020, 25, 23.	2.2	71
31	Pseudarthrosen. <i>Springer Reference Medizin</i> , 2020, , 1-11.	0.0	0
32	An Improved, Chemically Modified RNA Encoding BMP-2 Enhances Osteogenesis <i>In Vitro</i> and <i>In Vivo</i> . <i>Tissue Engineering - Part A</i> , 2019, 25, 131-144.	3.1	36
33	Integrated additive design and manufacturing approach for the bioengineering of bone scaffolds for favorable mechanical and biological properties. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 065002.	3.3	18
34	Optimization of Bone Scaffold Porosity Distributions. <i>Scientific Reports</i> , 2019, 9, 9170.	3.3	51
35	Trauma Induces Interleukin-17A Expression on Th17 Cells and CD4+ Regulatory T Cells as Well as Platelet Dysfunction. <i>Frontiers in Immunology</i> , 2019, 10, 2389.	4.8	12
36	Review of Animal Models of Comorbidities in Fracture Healing Research. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2491-2498.	2.3	27

#	ARTICLE	IF	CITATIONS
37	Establishment and effects of allograft and synthetic bone graft substitute treatment of a critical size metaphyseal bone defect model in the sheep femur. <i>Apmis</i> , 2019, 127, 53-63.	2.0	20
38	Bone regeneration and angiogenesis after reconstruction of the mandible by using bioactive biodegradable scaffolds. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 147.	1.5	0
39	Bone regeneration and angiogenesis after reconstruction of the mandible by using bioactive biodegradable scaffolds. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 154-155.	1.5	0
40	3D micro-CT angiography for the comparison of pcl scaffolds with different pore sizes in a critical-size rat tissue regeneration model. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 159-160.	1.5	0
41	Impact of Periprosthetic Fibroblast-Like Cells on Osteoclastogenesis in Co-Culture with Peripheral Blood Mononuclear Cells Varies Depending on Culture System. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2583.	4.1	6
42	Development, Characterization and In Vitro Biological Properties of Scaffolds Fabricated From Calcium Phosphate Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1790.	4.1	34
43	Healing with RNA. <i>Injury</i> , 2019, 50, 625-626.	1.7	6
44	A Growth Factor-Free Co-Culture System of Osteoblasts and Peripheral Blood Mononuclear Cells for the Evaluation of the Osteogenesis Potential of Melt-Electrowritten Polycaprolactone Scaffolds. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1068.	4.1	23
45	Immobilization of Denosumab on Titanium Affects Osteoclastogenesis of Human Peripheral Blood Monocytes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1002.	4.1	4
46	Changes in the temporal distribution of in-hospital mortality in severely injured patients – An analysis of the TraumaRegister DGU. <i>PLoS ONE</i> , 2019, 14, e0212095.	2.5	32
47	Cytokine and immune cell profiling in the cerebrospinal fluid of patients with neuro-inflammatory diseases. <i>Journal of Neuroinflammation</i> , 2019, 16, 219.	7.2	96
48	Comparative analysis of bone regeneration behavior using recombinant human BMP-2 versus plasmid DNA of BMP-2. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 163-173.	4.0	14
49	Oxygen-distribution within 3-D collagen I hydrogels for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 95, 422-427.	7.3	16
50	Protective Effects of the Complement Inhibitor Compstatin CP40 in Hemorrhagic Shock. <i>Shock</i> , 2019, 51, 78-87.	2.1	34
51	Osteoinduction and -conduction through absorbable bone substitute materials based on calcium sulfate: in vivo biological behavior in a rabbit model. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 17.	3.6	22
52	Heparin functionalization increases retention of TGF- β 2 and GDF5 on biphasic silk fibroin scaffolds for tendon/ligament-to-bone tissue engineering. <i>Acta Biomaterialia</i> , 2018, 72, 150-166.	8.3	81
53	Dose-dependent effects of peroxisome proliferator-activated receptors β agonist on systemic inflammation after haemorrhagic shock. <i>Cytokine</i> , 2018, 103, 127-132.	3.2	4
54	Whole-body computed tomography in severely injured patients. <i>Current Opinion in Critical Care</i> , 2018, 24, 55-61.	3.2	30

#	ARTICLE	IF	CITATIONS
55	Single-Cell Gene Expression Analysis and Evaluation of the Therapeutic Function of Murine Adipose-Derived Stromal Cells (ASCs) from the Subcutaneous and Visceral Compartment. <i>Stem Cells International</i> , 2018, 2018, 1-9.	2.5	4
56	Healthcare IT Utilization and Penetration among Physicians: Novel IT Solutions in Healthcare – Use and Acceptance in Hospitals. <i>European Surgical Research</i> , 2018, 59, 100-113.	1.3	10
57	Exploring the use of silica sands and calcite from natural deposits to prepare bioactive glasses. <i>International Journal of Materials Research</i> , 2018, 110, 333-342.	0.3	2
58	Polymorphonuclear (PMN) elastase in patients after severe traumatic brain injury. <i>European Journal of Medical Research</i> , 2018, 23, 44.	2.2	4
59	The posttraumatic activation of CD4+ T regulatory cells is modulated by TNFR2- and TLR4-dependent pathways, but not by IL-10. <i>Cellular Immunology</i> , 2018, 331, 137-145.	3.0	13
60	Non-linear optical microscopy and histological analysis of collagen, elastin and lysyl oxidase expression in breast capsular contracture. <i>European Journal of Medical Research</i> , 2018, 23, 30.	2.2	9
61	Patient satisfaction after hook plate treatment of bony avulsion fracture of the distal phalanges. <i>European Journal of Medical Research</i> , 2018, 23, 35.	2.2	8
62	Co-Culture with Human Osteoblasts and Exposure to Extremely Low Frequency Pulsed Electromagnetic Fields Improve Osteogenic Differentiation of Human Adipose-Derived Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 994.	4.1	34
63	Influence of Absorbable Calcium Sulfate-Based Bone Substitute Materials on Human Haemostasis – In Vitro Biological Behavior of Antibiotic Loaded Implants. <i>Materials</i> , 2018, 11, 935.	2.9	7
64	Osteogenic Effect and Cell Signaling Activation of Extremely Low-Frequency Pulsed Electromagnetic Fields in Adipose-Derived Mesenchymal Stromal Cells. <i>Stem Cells International</i> , 2018, 2018, 1-11.	2.5	22
65	BMP-2-transduced human bone marrow stem cells enhance neo-bone formation in a rat critical-sized femur defect. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1122-1131.	2.7	19
66	VEGF released from a fibrin biomatrix increases VEGFR-2 expression and improves early outcome after ischaemia-reperfusion injury. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2153-2163.	2.7	10
67	Hyaluronic acid facilitates chondrogenesis and matrix deposition of human adipose derived mesenchymal stem cells and human chondrocytes co-cultures. <i>Acta Biomaterialia</i> , 2017, 52, 130-144.	8.3	96
68	<sup />Fabrication and Characterization of Biphasic Silk Fibroin Scaffolds for Tendon/Ligament-to-Bone Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2017, 23, 859-872.	3.1	78
69	miRNAs in bone tissue correlate to bone mineral density and circulating miRNAs are gender independent in osteoporotic patients. <i>Scientific Reports</i> , 2017, 7, 15861.	3.3	96
70	Leptin Protects Against Mortality and Organ Dysfunction in A Two-Hit Trauma/Sepsis Model and is IL-6-Dependent. <i>Shock</i> , 2017, 48, 130-137.	2.1	12
71	Dual inhibition of thrombin and activated factor X attenuates disseminated intravascular coagulation and protects organ function in a baboon model of severe Gram-negative sepsis. <i>Critical Care</i> , 2017, 21, 51.	5.8	12
72	Adipose-derived mesenchymal stem cells from liposuction and resected fat are feasible sources for regenerative medicine. <i>European Journal of Medical Research</i> , 2017, 22, 17.	2.2	102

#	ARTICLE	IF	CITATIONS
73	Modified mRNA for BMP-2 in Combination with Biomaterials Serves as a Transcript-Activated Matrix for Effectively Inducing Osteogenic Pathways in Stem Cells. <i>Stem Cells and Development</i> , 2017, 26, 25-34.	2.1	46
74	2.26 MicroRNA as Biomaterial. , 2017, , 558-570.		1
75	Blutversorgung des Knochens. , 2017, , 19-29.		0
76	Knochenersatz. , 2017, , 31-37.		0
77	Is There an Impact of Concomitant Injuries and Timing of Fixation of Major Fractures on Fracture Healing? A Focused Review of Clinical and Experimental Evidence. <i>Journal of Orthopaedic Trauma</i> , 2016, 30, 104-112.	1.4	20
78	Characterization of blunt chest trauma in a long-term porcine model of severe multiple trauma. <i>Scientific Reports</i> , 2016, 6, 39659.	3.3	50
79	Platelet function in baboons and humans â€” A comparative study of whole blood using impedance platelet aggregometry (Multiplate®). <i>Thrombosis Research</i> , 2016, 147, 115-121.	1.7	4
80	Poly lactides in additive biomanufacturing. <i>Advanced Drug Delivery Reviews</i> , 2016, 107, 228-246.	13.7	63
81	miRNAs Related to Skeletal Diseases. <i>Stem Cells and Development</i> , 2016, 25, 1261-1281.	2.1	43
82	Platelets modulate the immune response following trauma by interaction with CD4+ T regulatory cells in a mouse model. <i>Immunologic Research</i> , 2016, 64, 508-517.	2.9	22
83	Genome-Wide Changes in Peripheral Gene Expression following Sports-Related Concussion. <i>Journal of Neurotrauma</i> , 2016, 33, 1576-1585.	3.4	26
84	A Novel Silk Fiberâ€”Based Scaffold for Regeneration of the Anterior Cruciate Ligament. <i>American Journal of Sports Medicine</i> , 2016, 44, 1547-1557.	4.2	51
85	Fabrication of electrospun poly(d,l lactide-co-glycolide)80/20 scaffolds loaded with diclofenac sodium for tissue engineering. <i>European Journal of Medical Research</i> , 2015, 20, 54.	2.2	19
86	HLA-DR expression on monocytes is decreased in polytraumatized patients. <i>European Journal of Medical Research</i> , 2015, 20, 84.	2.2	27
87	Human platelet lysate successfully promotes proliferation and subsequent chondrogenic differentiation of adipose-derived stem cells: a comparison with articular chondrocytes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 808-818.	2.7	60
88	Gene Therapy for Bone Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 9.	4.1	59
89	Blunt Cardiac Injury in the Severely Injured â€” A Retrospective Multicentre Study. <i>PLoS ONE</i> , 2015, 10, e0131362.	2.5	36
90	Hypnotics and the Occurrence of Bone Fractures in Hospitalized Dementia Patients: A Matched Case-Control Study Using a National Inpatient Database. <i>PLoS ONE</i> , 2015, 10, e0129366.	2.5	27

#	ARTICLE	IF	CITATIONS
91	Blunt Chest Trauma in Mice after Cigarette Smoke-Exposure: Effects of Mechanical Ventilation with 100 % O ₂ . PLoS ONE, 2015, 10, e0132810.	2.5	25
92	Trans-Endplate Pedicle Pillar System in Unstable Spinal Burst Fractures: Design, Technique, and Mechanical Evaluation. PLoS ONE, 2015, 10, e0139592.	2.5	0
93	Pantoprazole Decreases Cell Viability and Function of Human Osteoclasts <i>In Vitro</i> . Mediators of Inflammation, 2015, 2015, 1-8.	3.0	30
94	Induced Hypothermia Does Not Harm Hemodynamics after Polytrauma: A Porcine Model. Mediators of Inflammation, 2015, 2015, 1-11.	3.0	7
95	Early Dynamics of Cerebrospinal CD14+ Monocytes and CD15+ Granulocytes in Patients after Severe Traumatic Brain Injury: A Cohort Study. Mediators of Inflammation, 2015, 2015, 1-7.	3.0	1
96	Phototherapy With LED Light Modulates Healing Processes in an In Vitro Scratch-Wound Model Using 3 Different Cell Types. Dermatologic Surgery, 2015, 41, 261-268.	0.8	47
97	Strategies to engineer tendon/ligament-to-bone interface: Biomaterials, cells and growth factors. Advanced Drug Delivery Reviews, 2015, 94, 126-140.	13.7	206
98	Association between volume of severely injured patients and mortality in German trauma hospitals. British Journal of Surgery, 2015, 102, 1213-1219.	0.3	43
99	Signaling pathway STAT1 is strongly activated by IFN- γ in the pathogenesis of osteoporosis. European Journal of Medical Research, 2015, 20, 1.	2.2	35
100	Additive manufacturing in biomedical sciences and the need for definitions and norms. Expert Review of Medical Devices, 2015, 12, 537-543.	2.8	49
101	Preclinical testing of drug delivery systems to bone. Advanced Drug Delivery Reviews, 2015, 94, 151-164.	13.7	35
102	Spinal cord injury incidence, prognosis, and outcome: an analysis of the TraumaRegister DGU. Spine Journal, 2015, 15, 1994-2001.	1.3	85
103	Why do they die? Comparison of selected aspects of organ injury and dysfunction in mice surviving and dying in acute abdominal sepsis. Intensive Care Medicine Experimental, 2015, 3, 48.	1.9	29
104	Significance of Traumatic Macroamputation in Severely Injured Patients. Shock, 2015, 43, 233-237.	2.1	8
105	What's New in Shock? February 2015. Shock, 2015, 43, 107-108.	2.1	0
106	Drug delivery to bony tissue. Advanced Drug Delivery Reviews, 2015, 94, 1-2.	13.7	1
107	Serum Cytokine Variability During Simultaneous Radiation Chemotherapy in Patients With Malignancies in the Abdomen Basin Region Compared to Head and Neck Cancer and Healthy Volunteers. International Journal of Radiation Oncology Biology Physics, 2015, 93, E512-E513.	0.8	0
108	An <i>in vitro</i> model of mesenchymal stem cell targeting using magnetic particle labelling. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 724-733.	2.7	29

#	ARTICLE	IF	CITATIONS
109	Non-invasive <i>in vivo</i> tracking of fibrin degradation by fluorescence imaging. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 973-976.	2.7	25
110	Calcium Alginate Gels as Stem Cell Matrix – Making Paracrine Stem Cell Activity Available for Enhanced Healing after Surgery. <i>PLoS ONE</i> , 2015, 10, e0118937.	2.5	51
111	Peptide 19-2.5 Inhibits Heparan Sulfate-Triggered Inflammation in Murine Cardiomyocytes Stimulated with Human Sepsis Serum. <i>PLoS ONE</i> , 2015, 10, e0127584.	2.5	31
112	Effect of a Neonatal Resuscitation Course on Healthcare Providers’ Performances Assessed by Video Recording in a Low-Resource Setting. <i>PLoS ONE</i> , 2015, 10, e0144443.	2.5	43
113	Clinical Approaches to the Healing of Long Bone Defects. , 2015, , 217-231.		1
114	Increased Oxidative Stress Response in Granulocytes from Older Patients with a Hip Fracture May Account for Slow Regeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-9.	4.0	16
115	Sonoporation Increases Therapeutic Efficacy of Inducible and Constitutive <i>BMP2/7</i> <i>In Vivo</i> Gene Delivery. <i>Human Gene Therapy Methods</i> , 2014, 25, 57-71.	2.1	38
116	The immune response after fracture trauma is different in old compared to young patients. <i>Immunity and Ageing</i> , 2014, 11, 20.	4.2	36
117	Induced hypothermia reduces the hepatic inflammatory response in a swine multiple trauma model. <i>Journal of Trauma and Acute Care Surgery</i> , 2014, 76, 1425-1432.	2.1	19
118	Five Freely Circulating miRNAs and Bone Tissue miRNAs Are Associated With Osteoporotic Fractures. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1718-1728.	2.8	292
119	Enhanced cell adhesion on silk fibroin via lectin surface modification. <i>Acta Biomaterialia</i> , 2014, 10, 2506-2517.	8.3	38
120	Sericin Removal from Raw <i>Bombyx mori</i> Silk Scaffolds of High Hierarchical Order. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 431-439.	2.1	36
121	Decellularized Kidney Matrix for Perfused Bone Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 553-561.	2.1	38
122	Effect of the localisation of the CT scanner during trauma resuscitation on survival – A retrospective, multicentre study. <i>Injury</i> , 2014, 45, S76-S82.	1.7	78
123	Low-frequency pulsed electromagnetic fields significantly improve time of closure and proliferation of human tendon fibroblasts. <i>European Journal of Medical Research</i> , 2014, 19, 37.	2.2	25
124	Predictors of poor outcomes after significant chest trauma in multiply injured patients: a retrospective analysis from the German Trauma Registry (Trauma Register DGU®). <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2014, 22, 52.	2.6	91
125	Polymer Functionalization as a Powerful Tool to Improve Scaffold Performances. <i>Tissue Engineering - Part A</i> , 2014, 20, 2043-2051.	3.1	38
126	Pantoprazole increases cell viability and function of primary human osteoblasts <i>in vitro</i> . <i>Injury</i> , 2014, 45, 1156-1164.	1.7	19

#	ARTICLE	IF	CITATIONS
127	Fractures due to transient osteoporosis of pregnancy. International Journal of Gynecology and Obstetrics, 2014, 124, 259-260.	2.3	4
128	Relevance of induced and accidental hypothermia after trauma-haemorrhage“what do we know from experimental models in pigs?. Intensive Care Medicine Experimental, 2014, 2, 16.	1.9	8
129	Constitutive and inducible co-expression systems for non-viral osteoinductive gene therapy. , 2014, 27, 166-184.		14
130	Humerusschaftfrakturen. , 2014, , 7-15.		0
131	Vascular Endothelial Growth Factor and Fibroblast Growth Factor-2 Incorporation in Starch-Based Bone Tissue-Engineered Constructs Promote the<i>In Vivo</i>Expression of Neovascularization Mediators. Tissue Engineering - Part A, 2013, 19, 834-848.	3.1	19
132	Effects of accidental hypothermia on posttraumatic complications and outcome in multiple trauma patients. Injury, 2013, 44, 86-90.	1.7	62
133	Stem Cell Therapy for Bone Disorders. , 2013, , 101-116.		0
134	<i>In Vivo</i>Performance of Chitosan/Soy-Based Membranes as Wound-Dressing Devices for Acute Skin Wounds. Tissue Engineering - Part A, 2013, 19, 860-869.	3.1	42
135	Humane End Points in Experimental Models of Septic Shock. Shock, 2013, 39, 541-542.	2.1	3
136	Bioreactor and scaffold design for the mechanical stimulation of anterior cruciate ligament grafts. Bio-Medical Materials and Engineering, 2013, 23, 225-237.	0.6	9
137	Can Bone Tissue Engineering Contribute to Therapy Concepts after Resection of Musculoskeletal Sarcoma?. Sarcoma, 2013, 2013, 1-10.	1.3	23
138	Combined Hemorrhage/Trauma Models in Pigs“Current State and Future Perspectives. Shock, 2013, 40, 247-273.	2.1	54
139	Induced hypothermia does not impair coagulation system in a swine multiple trauma model. Journal of Trauma and Acute Care Surgery, 2013, 74, 1014-1020.	2.1	47
140	Preventively enteral application of immunoglobulin enriched colostrums milk can modulate postoperative inflammatory response. European Journal of Medical Research, 2013, 18, 50.	2.2	3
141	What“™s New in Shock? April 2013. Shock, 2013, 39, 327-328.	2.1	0
142	Has the Cat Got Your Tongue? Evaluation of Circulation by Microcirculation*. Critical Care Medicine, 2013, 41, 920-921.	0.9	2
143	A Non-Lethal Traumatic/Hemorrhagic Insult Strongly Modulates the Compartment-Specific PAI-1 Response in the Subsequent Polymicrobial Sepsis. PLoS ONE, 2013, 8, e55467.	2.5	8
144	Whole-Body CT in Haemodynamically Unstable Severely Injured Patients “ A Retrospective, Multicentre Study. PLoS ONE, 2013, 8, e68880.	2.5	198

#	ARTICLE	IF	CITATIONS
145	Combined Hemorrhage/Trauma Models in Pigs - Current State and Future Perspectives. Shock, 2013, , 1.	2.1	2
146	A Qualitative Morphological Comparison of Two Haemostatic Agents in a Porcine Liver Trauma Model. Surgical Science, 2013, 04, 359-364.	0.1	13
147	Systemic Inflammatory Effects of Traumatic Brain Injury, Femur Fracture, and Shock: An Experimental Murine Polytrauma Model. Mediators of Inflammation, 2012, 2012, 1-7.	3.0	36
148	Facts and Fiction: The Impact of Hypothermia on Molecular Mechanisms following Major Challenge. Mediators of Inflammation, 2012, 2012, 1-13.	3.0	28
149	Posttraumatic Immune Response and Its Modulation. Mediators of Inflammation, 2012, 2012, 1-2.	3.0	1
150	Proangiogenic Soluble Factors from Amniotic Fluid Stem Cells Mediate the Recruitment of Endothelial Progenitors in a Model of Ischemic Fasciocutaneous Flap. Stem Cells and Development, 2012, 21, 2179-2188.	2.1	48
151	Application of Stem Cells in Orthopedics. Stem Cells International, 2012, 2012, 1-11.	2.5	72
152	Shock Supports the Use of Animal Research Reporting Guidelines. Shock, 2012, 38, 1-3.	2.1	25
153	A Combined Trauma Model of Chest and Abdominal Trauma With Hemorrhagic Shock—Description of a New Porcine Model. Shock, 2012, 38, 664-670.	2.1	26
154	Compartment-specific expression of plasminogen activator inhibitor-1 correlates with severity/outcome of murine polymicrobial sepsis. Thrombosis Research, 2012, 129, e238-e245.	1.7	15
155	Comparison of Different Thoracic Trauma Scoring Systems in Regards to Prediction of Post-Traumatic Complications and Outcome in Blunt Chest Trauma. Journal of Surgical Research, 2012, 176, 239-247.	1.6	52
156	The optimal carrier for BMP-2: a comparison of collagen versus fibrin matrix. Archives of Orthopaedic and Trauma Surgery, 2012, 132, 1363-1370.	2.4	42
157	In vitro adipogenesis of adipose-derived stem cells in 3D fibrin matrix of low component concentration. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 434-442.	2.7	24
158	BMP-2 but not VEGF or PDGF in fibrin matrix supports bone healing in a delayed union rat model. Journal of Orthopaedic Research, 2012, 30, 1563-1569.	2.3	50
159	Obesity-related juvenile form of cartilage lesions: a new affliction in the knees of morbidly obese children and adolescents. European Radiology, 2012, 22, 672-681.	4.5	21
160	Histopathological features of the brain, liver, kidney and spleen following an innovative polytrauma model of the mouse. Experimental and Toxicologic Pathology, 2012, 64, 133-139.	2.1	13
161	Relationship between Age/Gender-Induced Survival Changes and the Magnitude of Inflammatory Activation and Organ Dysfunction in Post-Traumatic Sepsis. PLoS ONE, 2012, 7, e51457.	2.5	44
162	Human Mesenchymal Stem Cells from Adipose Tissue and Amnion Influence T-Cells Depending on Stimulation Method and Presence of Other Immune Cells. Stem Cells and Development, 2011, 20, 2115-2126.	2.1	146

#	ARTICLE	IF	CITATIONS
163	Enhanced Reporter Gene Assay for the Detection of Osteogenic Differentiation. Tissue Engineering - Part C: Methods, 2011, 17, 401-410.	2.1	11
164	Adrenoceptor stimulation does not affect ICAM-1 and VCAM-1 expression in vitro. BMC Research Notes, 2011, 4, 40.	1.4	0
165	Thromboelastometry (TEMÅ®) Findings in Disseminated Intravascular Coagulation in a Pig Model of Endotoxemia. Molecular Medicine, 2011, 17, 266-272.	4.4	47
166	Androstenediol Exerts Salutary Effects on Chemokine Response After Traumaâ€“Hemorrhage and Sepsis in Mice. Journal of Orthopaedic Trauma, 2011, 25, 511-515.	1.4	5
167	Selective blockade of interleukin-6 trans-signaling improves survival in a murine polymicrobial sepsis model*. Critical Care Medicine, 2011, 39, 1407-1413.	0.9	163
168	Genetic Predisposition for Development of Complications in Multiple Trauma Patients. Shock, 2011, 35, 440-448.	2.1	32
169	Aprotinin and classic wound drainage are unnecessary in total hip replacement a prospective randomized trial. European Journal of Medical Research, 2011, 16, 20.	2.2	4
170	Suitability of amniotic membrane and cells thereof for tissue regeneration approaches. Placenta, 2011, 32, S329.	1.5	0
171	Immunoregulatory properties of human amniotic mesenchymal stromal cells: a comparison to human adipose derived stem cells. Placenta, 2011, 32, S334-S335.	1.5	0
172	Light therapy by blue LED improves wound healing in an excision model in rats. Injury, 2011, 42, 917-921.	1.7	133
173	Human adipose derived stem cells reduce callus volume upon BMP-2 administration in bone regeneration. Injury, 2011, 42, 814-820.	1.7	41
174	Human mesenchymal stem cells and renal tubular epithelial cells differentially influence monocyte-derived dendritic cell differentiation and maturation. Cellular Immunology, 2011, 267, 30-38.	3.0	59
175	Reconstruction of the anterior cruciate ligament: a clinical comparison of bone-patellar tendon-bone single bundle versus semitendinosus and gracilis double bundle technique. International Orthopaedics, 2011, 35, 127-133.	1.9	31
176	State of the art and future perspectives of articular cartilage regeneration: a focus on adipose-derived stem cells and platelet-derived products. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, e36-e51.	2.7	81
177	Regulation of L-selectin expression by trauma-relevant cytokines. Pathology Research and Practice, 2011, 207, 142-147.	2.3	14
178	Experimentally Approaching the ICU: Monitoring Outcome-Based Responses in the Two-Hit Mouse Model of Posttraumatic Sepsis. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-12.	3.0	12
179	Circulating NT-proCNP predicts sepsis in multiple-traumatized patients without traumatic brain injury*. Critical Care Medicine, 2010, 38, 161-166.	0.9	67
180	Evaluation of the tissue toxicity of antiseptics by the hen's egg test on the chorioallantoic membrane (HETCAM). European Journal of Medical Research, 2010, 15, 204.	2.2	24

#	ARTICLE	IF	CITATIONS
181	In vivo short-term and long-term host reaction to starch-based scaffolds. <i>Acta Biomaterialia</i> , 2010, 6, 4314-4326.	8.3	37
182	Osteogenic differentiation of intact human amniotic membrane. <i>Biomaterials</i> , 2010, 31, 8659-8665.	11.4	50
183	Peritoneal Inflammation in Pigs is Associated with Early Mitochondrial Dysfunction in Liver and Kidney. <i>Inflammation</i> , 2010, 33, 295-305.	3.8	21
184	Thermoresponsive self-assembled elastin-based nanoparticles for delivery of BMPs. <i>Journal of Controlled Release</i> , 2010, 142, 312-318.	9.9	159
185	Is dopexamine superior to dopamine in the treatment of multiple trauma patients? A prospective, double-blind, randomised study. <i>Injury</i> , 2010, 41, 499-505.	1.7	2
186	TLR4 influences the humoral and cellular immune response during polymicrobial sepsis. <i>Injury</i> , 2010, 41, 1060-1067.	1.7	16
187	FGF β abolishes the chondrogenic effect of combined BMP β and TGF β ² in human adipose derived stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 978-987.	4.0	36
188	Application of different strain regimes in two-dimensional and three-dimensional adipose tissue-derived stem cell cultures induces osteogenesis: Implications for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 927-936.	4.0	24
189	A rotating bed system bioreactor enables cultivation of primary osteoblasts on well-characterized sponceram [®] regarding structural and flow properties. <i>Biotechnology Progress</i> , 2010, 26, 671-678.	2.6	11
190	How chondrogenic are human umbilical cord matrix cells? A comparison to adipose-derived stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2010, 4, 242-245.	2.7	20
191	Silk fibroin microparticles as carriers for delivery of human recombinant BMPs. Physical characterization and drug release. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2010, 4, 349-355.	2.7	95
192	Isolation of pig bone marrow mesenchymal stem cells suitable for one-step procedures in chondrogenic regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2010, 4, n/a-n/a.	2.7	30
193	Chitosan Improves the Biological Performance of Soy-Based Biomaterials. <i>Tissue Engineering - Part A</i> , 2010, 16, 2883-2890.	3.1	13
194	Activity of Lymphocyte Subpopulations in Polymicrobial Sepsis and DHEA Treatment in IL-6 Knockout Mice. <i>Journal of Innate Immunity</i> , 2010, 2, 469-477.	3.8	12
195	REPETITIVE LOW-VOLUME BLOOD SAMPLING METHOD AS A FEASIBLE MONITORING TOOL IN A MOUSE MODEL OF SEPSIS. <i>Shock</i> , 2010, 34, 420-426.	2.1	28
196	Silk Fibroin Microparticles as Carriers for Delivery of Human Recombinant Bone Morphogenetic Protein-2: In Vitro and In Vivo Bioactivity. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 937-945.	2.1	63
197	A Comparison of a Cyanoacrylate Glue (Glubran) vs. Fibrin Sealant (Tisseel) in Experimental Models of Partial Pulmonary Resection and Lung Incision in Rabbits. <i>Journal of Investigative Surgery</i> , 2010, 23, 40-47.	1.3	27
198	Investigation of the Effect of Mechanical Strain on the Osteogenic Differentiation of Mesenchymal Stem Cells. , 2010, , 579-589.		2

#	ARTICLE	IF	CITATIONS
199	Alternative Sources of Adult Stem Cells: Human Amniotic Membrane. , 2010, 123, 1-27.		21
200	Bioreactor Systems for Tissue Engineering II. , 2010, , .		2
201	Properties and Potential Alternative Applications of Fibrin Glue. , 2010, , 237-259.		7
202	Pathogenetic Changes: Isolated Extremity Trauma and Polytrauma. , 2010, , 25-44.		0
203	<i>Telomerase</i> Immortalized Human Amnion- and Adipose-Derived Mesenchymal Stem Cells: Maintenance of Differentiation and Immunomodulatory Characteristics. Tissue Engineering - Part A, 2009, 15, 1843-1854.	3.1	91
204	Human Adipose-Derived Stem Cells Contribute to Chondrogenesis in Coculture with Human Articular Chondrocytes. Tissue Engineering - Part A, 2009, 15, 3961-3969.	3.1	68
205	Bone Marrow Stromal Cells in a Liquid Fibrin Matrix Improve the Healing Process of Patellar Tendon Window Defects. Tissue Engineering - Part A, 2009, 15, 1019-1030.	3.1	49
206	Insulin therapy induces changes in the inflammatory response in a murine 2-hit model. Injury, 2009, 40, 806-814.	1.7	14
207	Elevated systemic IL-18 and neopterin levels are associated with posttraumatic complications among patients with multiple injuries: A prospective cohort study. Injury, 2009, 40, 528-534.	1.7	34
208	Effects of repetitive and short time strain in human bone marrow stromal cells. Journal of Biomedical Materials Research - Part A, 2009, 88A, 907-915.	4.0	10
209	Effect of seeding technique and scaffold material on bone formation in tissue-engineered constructs. Journal of Biomedical Materials Research - Part A, 2009, 90A, 429-437.	4.0	22
210	A study on the influence of biocompatible composites with bioactive ligands toward their effect on cell adhesion and growth for the application in bone tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 153-162.	3.4	13
211	Novel 3D biomaterials for tissue engineering based on collagen and macroporous ceramics. Materialwissenschaft Und Werkstofftechnik, 2009, 40, 54-60.	0.9	9
212	Dynamic cultivation of human mesenchymal stem cells in a rotating bed bioreactor system based on the ZÄ®RP platform. Biotechnology Progress, 2009, 25, 1762-1771.	2.6	42
213	Starch-poly-Ñ"-caprolactone Microparticles Reduce the Needed Amount of BMP-2. Clinical Orthopaedics and Related Research, 2009, 467, 3138-3148.	1.5	34
214	Impact of human amniotic membrane preparation on release of angiogenic factors. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 651-654.	2.7	81
215	IL-6 predicts organ dysfunction and mortality in patients with multiple injuries. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2009, 17, 49.	2.6	109
216	A chronic pressure ulcer model in the nude mouse. Wound Repair and Regeneration, 2009, 17, 480-484.	3.0	46

#	ARTICLE	IF	CITATIONS
217	The challenge of establishing preclinical models for segmental bone defect research. <i>Biomaterials</i> , 2009, 30, 2149-2163.	11.4	351
218	DHEA-dependent and organ-specific regulation of TNF- α mRNA expression in a murine polymicrobial sepsis and trauma model. <i>Critical Care</i> , 2009, 13, R114.	5.8	28
219	Bone formation in trabecular bone cell seeded scaffolds used for reconstruction of the rat mandible. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2009, 38, 166-172.	1.5	32
220	Controlled release of substances bound to fibrin-anchors or of DNA. <i>Drug Delivery</i> , 2009, 16, 102-107.	5.7	15
221	Biphasic calcium phosphate ceramics in small bone defects: potential influence of carrier substances and bone marrow on bone regeneration. <i>Clinical Oral Implants Research</i> , 2009, 20, 1367-1374.	4.5	29
222	Mechanical Strain Using 2D and 3D Bioreactors Induces Osteogenesis: Implications for Bone Tissue Engineering. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2009, 112, 95-123.	1.1	23
223	Zentralnervöse Störungen nach kraniozervikalem Beschleunigungstrauma. , 2009, , 18-23.		3
224	Bioreactor and scaffold design for the mechanical stimulation of silk based anterior cruciate ligament grafts. <i>IFMBE Proceedings</i> , 2009, , 208-210.	0.3	1
225	Femoral Nailing-related Coagulopathy Determined by First-hit Magnitude. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 473-480.	1.5	14
226	Osteoinduction in human fat-derived stem cells by recombinant human bone morphogenetic protein-2 produced in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2008, 30, 15-21.	2.2	25
227	Anin vivo mouse model for human cartilage regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2008, 2, 202-209.	2.7	14
228	3D-Zellkultivierung im Z ² RP ² System. <i>Chemie-Ingenieur-Technik</i> , 2008, 80, 1803-1808.	0.8	1
229	Mechanical and flow characterization of Sponceram [®] carriers: Evaluation by homogenization theory and experimental validation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 42-48.	3.4	32
230	Morphology, mechanical characterization and in vivo neo-vascularization of chitosan particle aggregated scaffolds architectures. <i>Biomaterials</i> , 2008, 29, 3914-3926.	11.4	99
231	Design and Characterization of a Rotating Bed System Bioreactor for Tissue Engineering Applications. <i>Biotechnology Progress</i> , 2008, 24, 140-147.	2.6	18
232	Sustained (rh)VEGF ₁₆₅ release from a sprayed fibrin biomatrix induces angiogenesis, up-regulation of endogenous VEGFR ₂ , and reduces ischemic flap necrosis. <i>Wound Repair and Regeneration</i> , 2008, 16, 542-550.	3.0	48
233	Adverse Effects Associated with the Use of Porcine Cross-Linked Collagen Implants in an Experimental Model of Incisional Hernia Repair. <i>Journal of Surgical Research</i> , 2008, 145, 105-110.	1.6	93
234	Phenotypic shift of human amniotic epithelial cells in culture is associated with reduced osteogenic differentiation in vitro. <i>Cytotherapy</i> , 2008, 10, 743-752.	0.7	69

#	ARTICLE	IF	CITATIONS
235	Mechanical Strain Using 2D and 3D Bioreactors Induces Osteogenesis: Implications for Bone Tissue Engineering. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2008, , 95.	1.1	2
236	DEPLETION OF NK CELLS IN A MURINE POLYTRAUMA MODEL IS ASSOCIATED WITH IMPROVED OUTCOME AND A MODULATION OF THE INFLAMMATORY RESPONSE. <i>Shock</i> , 2008, 30, 401-410.	2.1	35
237	Systemic effects of isolated brain injury: an experimental animal study. <i>Neurological Research</i> , 2008, 30, 457-460.	1.3	16
238	Correlation Between IL-6 Levels and the Systemic Inflammatory Response Score: Can an IL-6 Cutoff Predict a SIRS State?. <i>Journal of Trauma</i> , 2008, 65, 646-652.	2.3	81
239	Systemic Inflammatory Response After Extremity or Truncal Fracture Operations. <i>Journal of Trauma</i> , 2008, 65, 1379-1384.	2.3	41
240	Cultivating Cells of Different Origin for 3d Bone Constructs Considering Physiological Conditions. , 2007, , 303-311.		0
241	The genetic predisposition to adverse outcome after trauma. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2007, 89-B, 1273-1279.	3.4	35
242	The Phosphatidylinositol 3-Kinase Signaling Pathway Exerts Protective Effects during Sepsis by Controlling C5a-Mediated Activation of Innate Immune Functions. <i>Journal of Immunology</i> , 2007, 178, 5940-5948.	0.8	57
243	INFLUENCE OF SEX AND AGE ON MODS AND CYTOKINES AFTER MULTIPLE INJURIES. <i>Shock</i> , 2007, 27, 151-156.	2.1	197
244	Impact of the Method of Initial Stabilization for Femoral Shaft Fractures in Patients With Multiple Injuries at Risk for Complications (Borderline Patients). <i>Annals of Surgery</i> , 2007, 246, 491-501.	4.2	237
245	FTY720 Improves Survival After Transient Ischemia and Reperfusion of the Hind Limbs. <i>Journal of Trauma</i> , 2007, 63, 263-267.	2.3	13
246	FTY720 for Treatment of Ischemiaâ€“Reperfusion Injury Following Complete Renal Ischemia; Impact on Long-Term Survival and T-Lymphocyte Tissue Infiltration. <i>Transplantation Proceedings</i> , 2007, 39, 499-502.	0.6	18
247	FTY720 Application Following Isolated Warm Liver Ischemia Improves Long-Term Survival and Organ Protection in a Mouse Model. <i>Transplantation Proceedings</i> , 2007, 39, 493-498.	0.6	19
248	Comparison of whole blood interleukin-8 and plasma interleukin-8 as a predictor for sepsis in postoperative patients. <i>Clinica Chimica Acta</i> , 2007, 378, 117-121.	1.1	7
249	Association of IL-8-251A/T polymorphism with incidence of Acute Respiratory Distress Syndrome (ARDS) and IL-8 synthesis after multiple trauma. <i>Cytokine</i> , 2007, 37, 192-199.	3.2	61
250	Dose-Dependent Immunomodulatory Effect of Human Stem Cells from Amniotic Membrane: A Comparison with Human Mesenchymal Stem Cells from Adipose Tissue. <i>Tissue Engineering</i> , 2007, 13, 1173-1183.	4.6	367
251	Cultivation of MC3T3-E1 cells on a newly developed material (SponceramÂ®) using a rotating bed system bioreactor. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 268-275.	4.0	29
252	The long-term neurocompatibility of human fibrin sealant and equine collagen as biomatrices in experimental spinal cord injury. <i>Experimental and Toxicologic Pathology</i> , 2007, 58, 237-245.	2.1	26

#	ARTICLE	IF	CITATIONS
253	30.6 An in-vivo mouse model for human cartilage repair. <i>Osteoarthritis and Cartilage</i> , 2007, 15, B85.	1.3	0
254	Labelling of human adipose-derived stem cells for non-invasive in vivo cell tracking. <i>Cell and Tissue Banking</i> , 2007, 8, 163-177.	1.1	42
255	Tissue engineering of tendons and ligaments by human bone marrow stromal cells in a liquid fibrin matrix in immunodeficient rats: Results of a histologic study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2007, 127, 815-821.	2.4	66
256	Dehydroepiandrosterone administration modulates endothelial and neutrophil adhesion molecule expression in vitro. <i>Critical Care</i> , 2006, 10, R109.	5.8	15
257	PAN-SELECTIN ANTAGONISM INHIBITS LUNG DYSFUNCTION AND DECREASES SYSTEMIC CYTOKINE SECRETION IN A TWO-HIT MODEL OF ISCHEMIA/REPERFUSION AND POLYMICROBIAL SEPSIS.. <i>Shock</i> , 2006, 25, 98.	2.1	0
258	DIFFERENTIAL GENE EXPRESSION IN DIFFERENT ORGANS AFTER GRAM+ /??? INDUCTION IN PRIMATES. <i>Shock</i> , 2006, 26, 6.	2.1	0
259	DHEA ADMINISTRATION MODULATES ADHESION MOLECULE EXPRESSION OF NEUTROPHILS AND ENDOTHELIAL CELLS IN VITRO. <i>Shock</i> , 2006, 26, 12.	2.1	0
260	HLA-DR IS NOT ASSOCIATED WITH MODS OR SEPSIS IN POLYTRAUMATIZED PATIENTS. <i>Shock</i> , 2006, 26, 19.	2.1	0
261	ORGAN SPECIFIC RELATIONSHIP BETWEEN MITOCHONDRIAL FUNCTION AND TISSUE DAMAGE IN A MODEL OF PERITONITIS IN PIGS. <i>Shock</i> , 2006, 26, 31.	2.1	0
262	CIRCULATORY KINETICS OF THE CELLULAR AND HUMORAL IMMUNE RESPONSE IN PERITONITIS. <i>Shock</i> , 2006, 26, 33.	2.1	0
263	DHEA DECREASES THE TRANSCRIPTION OF CASPASES UPON LPS STIMULATION IN LEUKOCYTES. <i>Shock</i> , 2006, 25, 45.	2.1	0
264	DHEA INFLUENCES NEUTROPHIL ADHESION MOLECULE EXPRESSION CONCENTRATION AND TIME DEPENDENTLY. <i>Shock</i> , 2006, 25, 45.	2.1	0
265	CLP INDUCES MAJOR RENAL FAILURE AT EARLY STAGES DURING DEVELOPMENT OF POLYMICROBIAL SEPSIS. <i>Shock</i> , 2006, 26, 8-9.	2.1	0
266	Which AIS Based Scoring System is the Best Predictor of Outcome in Orthopaedic Blunt Trauma Patients?. <i>Journal of Trauma</i> , 2006, 60, 334-340.	2.3	58
267	LEUKOCYTE-ENDOTHELIAL INTERACTIONS VIA ICAM-1 ARE DETRIMENTAL IN POLYMICROBIAL SEPSIS. <i>Shock</i> , 2006, 25, 254-259.	2.1	58
268	In vivo tracking of stem cells using magnetic tagging in a nude mouse model. <i>Journal of Biomechanics</i> , 2006, 39, S447.	2.1	0
269	Influence of cyclic mechanical strain and heat of human tendon fibroblasts on HSP-72. <i>European Journal of Applied Physiology</i> , 2006, 96, 249-256.	2.5	19
270	Blunt Abdominal Trauma Requiring Laparotomy: an Analysis of 342 Polytraumatized Patients. <i>European Journal of Trauma and Emergency Surgery</i> , 2006, 32, 430-438.	0.3	8

#	ARTICLE	IF	CITATIONS
271	Application of collagen matrices for cartilage tissue engineering. <i>Experimental and Toxicologic Pathology</i> , 2006, 57, 305-311.	2.1	48
272	THE PI-3K SIGNALING PATHWAY HAS AN OVERALL PROTECTIVE ROLE FOR NEUTROPHIL ACTIVATION AND SURVIVAL IN SEPSIS. <i>Shock</i> , 2006, 25, 64.	2.1	0
273	TNF-RI AND FC??-RIII ARE INVOLVED IN SECONDARY ORGAN FAILURE AFTER ISCHEMIA/REPERFUSION. <i>Shock</i> , 2006, 26, 16.	2.1	1
274	GENETIC PREDISPOSITION FOR A COMPROMISED IMMUNE SYSTEM AFTER MULTIPLE TRAUMA. <i>Shock</i> , 2005, 24, 518-522.	2.1	39
275	Alterations in the Systemic Inflammatory Response after Early Total Care and Damage Control Procedures for Femoral Shaft Fracture in Severely Injured Patients. <i>Journal of Trauma</i> , 2005, 58, 446-454.	2.3	170
276	Role of adhesion molecule ICAM in the pathogenesis of polymicrobial sepsis. <i>Experimental and Toxicologic Pathology</i> , 2005, 56, 281-290.	2.1	45
277	L-selectin: Adhesion, signalling and its importance in pathologic posttraumatic endotoxemia and non-septic inflammation. <i>Experimental and Toxicologic Pathology</i> , 2005, 57, 39-52.	2.1	21
278	Management of polytraumatized patients with associated blunt chest trauma: a comparison of two European countries. <i>Injury</i> , 2005, 36, 293-302.	1.7	79
279	Secondary effects of femoral instrumentation on pulmonary physiology in a standardised sheep model. <i>Injury</i> , 2005, 36, 544-555.	1.7	37
280	The Effect of Anti-L-Selectin (Aselizumab) on the Posttraumatic Inflammatory Response in Multiply Traumatized Patients. <i>European Journal of Trauma and Emergency Surgery</i> , 2005, 31, 557-567.	0.3	2
281	Reamed Femoral Nailing in Sheep: Does Irrigation and Aspiration of Intramedullary Contents Alter the Systemic Response?. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 2515.	3.0	64
282	Anti-L-selectin antibody therapy does not worsen the postseptic course in a baboon model. <i>Critical Care</i> , 2005, 9, R735.	5.8	5
283	Modulation of Proliferation and Differentiation of Human Bone Marrow Stromal Cells by Fibroblast Growth Factor 2: Potential Implications for Tissue Engineering of Tendons and Ligaments. <i>Tissue Engineering</i> , 2005, 11, 41-49.	4.6	198
284	Effects of hypothermia and re-warming on the inflammatory response in a murine multiple hit model of trauma. <i>Cytokine</i> , 2005, 31, 382-393.	3.2	84
285	Impact of hypothermia on the immunologic response after trauma and elective surgery. <i>Surgical Technology International</i> , 2005, 14, 41-50.	0.2	29
286	THE EFFECT OF ANTI-L-SELECTIN (ASELIZUMAB) IN MULTIPLY TRAUMATIZED PATIENTS - RESULTS OF A PHASE -II- CLINICAL TRIAL. <i>Shock</i> , 2004, 21, 130.	2.1	0
287	LEPTIN IS PROTECTIVE VIA THE IL-6 PATHWAY IN POSTTRAUMATIC SEPSIS,. <i>Shock</i> , 2004, 21, 82.	2.1	0
288	GENETIC PREDISPOSITION FOR AN ENHANCED IMMFLAMMATORY RESPONSE AFTER SEVERE TRAUMA. <i>Shock</i> , 2004, 21, 39-40.	2.1	0

#	ARTICLE	IF	CITATIONS
289	Are alterations of lymphocyte subpopulations in polymicrobial sepsis and DHEA treatment mediated by the tumour necrosis factor (TNF)-alpha receptor (TNF-RI)? A study in TNF-RI (TNF-RI ^{-/-}) knock-out rodents. <i>Clinical and Experimental Immunology</i> , 2004, 138, 221-229.	2.6	15
290	I-Selectin shows time and gender dependency in association with MODS. <i>Injury</i> , 2004, 35, 1087-1095.	1.7	12
291	Surgical correction of deformities of the distal radius due to fractures in pediatric patients. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2004, 124, 1-9.	2.4	28
292	A comparison of two types of free bone grafts as transport discs in segmental distraction for reconstruction of calvarial bone defects: an experimental study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2004, 124, 665-674.	2.4	8
293	Scaphotrapeziotrapezoid (STT)-Arthrodesis in Kienbock's Disease. <i>Journal of Hand Surgery</i> , 2004, 29, 580-584.	0.8	53
294	Pathophysiologic changes and effects of hypothermia on outcome in elective surgery and trauma patients. <i>American Journal of Surgery</i> , 2004, 187, 363-371.	1.8	130
295	Screening for arthrofibrosis after anterior cruciate ligament reconstruction: Analysis of association with human leukocyte antigen. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2004, 20, 469-473.	2.7	58
296	The effect of anti-L-selectin (aselizumab) in multiple traumatized patients—Results of a phase II clinical trial*. <i>Critical Care Medicine</i> , 2004, 32, 2021-2028.	0.9	37
297	Biochemical changes after trauma and skeletal surgery of the lower extremity: Quantification of the operative burden. <i>Journal of Orthopaedic Trauma</i> , 2004, 18, S24-S31.	1.4	9
298	DHEA MODULATES CYTOKINE EXPRESSION VIA IL-6 IN A MULTIPLE HIT MODEL OF TRAUMA. <i>Shock</i> , 2004, 21, 52-53.	2.1	0
299	Effects of cyclic longitudinal mechanical strain and dexamethasone on osteogenic differentiation of human bone marrow stromal cells. , 2004, 7, 35-41.		128
300	Expression of vascular adhesion protein-1 in normal and inflamed mice lungs and normal human lungs. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003, 442, 491-495.	2.8	27
301	Immune Reactions after Trauma. <i>European Journal of Trauma and Emergency Surgery</i> , 2003, 29, 181-192.	0.3	20
302	Cyclic mechanical stretching of human patellar tendon fibroblasts: activation of JNK and modulation of apoptosis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2003, 11, 122-129.	4.2	67
303	Cyclic mechanical strain induces NO production in human patellar tendon fibroblasts—a possible role for remodelling and pathological transformation. <i>Experimental and Toxicologic Pathology</i> , 2003, 54, 335-338.	2.1	35
304	Modulation of cell functions of human tendon fibroblasts by different repetitive cyclic mechanical stress patterns. <i>Experimental and Toxicologic Pathology</i> , 2003, 55, 153-158.	2.1	60
305	Comparison of human bone marrow stromal cells seeded on calcium-deficient hydroxyapatite, β -tricalcium phosphate and demineralized bone matrix. <i>Biomaterials</i> , 2003, 24, 2593-2603.	11.4	214
306	The Importance of Systemic Cytokines in the Pathogenesis of Polymicrobial Sepsis and Dehydroepiandrosterone Treatment in a Rodent Model. <i>Shock</i> , 2003, 20, 338-346.	2.1	36

#	ARTICLE	IF	CITATIONS
307	Role of adhesion molecule ICAM-1 in the pathogenesis of polymicrobial sepsis and DHEA-treatment. Shock, 2003, 19, 63.	2.1	0
308	Effects of Cardiac Contusion in Isolated Perfused Rat Hearts. Shock, 2003, 19, 123-126.	2.1	4
309	DHEA MODULATES CYTOKINE RNA EXPRESSION ON A TRANSCRIPTIONAL LEVEL INDEPENDENT OF TNF-RI. Shock, 2003, 19, 24.	2.1	0
310	DHEA DIFFERENTIALLY MODULATES CYTOKINE EXPRESSION ON TRANSCRIPTIONAL AND TRANSLATIONAL LEVEL IN A MULTIPLE HIT MODEL OF TRAUMA. Shock, 2003, 19, 21.	2.1	0
311	Impact of Intramedullary Instrumentation versus Damage Control for Femoral Fractures on Immunoinflammatory Parameters. Journal of Trauma, 2003, 55, 7-13.	2.3	234
312	IL-6 vermittelt protektive Effekte des DHEA bei einer polymikrobiellen Sepsis. Langenbecks Archiv Für Chirurgie Supplement, 2003, , 319-321.	0.0	0
313	Die Modulation der Kollagensynthese von humanen Fibroblasten durch zyklische Dehnung. , 2003, , 189-194.		0
314	Die Aktivierung des Transkriptionsfaktors NF-KB und des Protoonkogens c-fos in humanen Fibroblasten nach zyklischer mechanischer Dehnung. , 2003, , 164-173.		1
315	Adenoviral gene transfer in a rat fracture model. Laboratory Animals, 2002, 36, 455-461.	1.0	12
316	L-SELECTIN SHOWS TIME AND GENDER DEPENDENCY IN ASSOCIATION WITH MODS.. Shock, 2002, 17, 25.	2.1	0
317	THE IMPORTANCE OF IL-6 IN THE PATHOGENESIS OF POLYMICROBIAL SEPSIS AND DHEA TREATMENT. Shock, 2002, 17, 20.	2.1	0
318	Dehydroepiandrosterone (DHEA) Modulates the Activity and the Expression of Lymphocyte Subpopulations Induced by Cecal Ligation and Puncture. Shock, 2002, 18, 445-449.	2.1	33
319	EFFECTS OF INTRAMEDULLARY FEMORAL FRACTURE FIXATION: WHAT IS THE IMPACT OF EXPERIMENTAL STUDIES IN REGARDS TO THE CLINICAL KNOWLEDGE?. Shock, 2002, 18, 291-300.	2.1	25
320	INFLUENCE OF ??-ADRENOCEPTOR ANTAGONISTS ON HEMORRHAGE-INDUCED CELLULAR IMMUNE SUPPRESSION. Shock, 2002, 18, 331-335.	2.1	41
321	A modified method to culture human osteoblasts from bone tissue specimens using fibrin glue. Experimental and Toxicologic Pathology, 2002, 54, 25-29.	2.1	14
322	Pulmonary microbial infection in mice: Comparison of different application methods and correlation of bacterial numbers and histopathology. Experimental and Toxicologic Pathology, 2002, 54, 127-133.	2.1	27
323	Polymicrobial sepsis induces organ changes due to granulocyte adhesion in a murine two hit model of trauma. Experimental and Toxicologic Pathology, 2002, 54, 203-209.	2.1	35
324	Serum IL-6, IL-8 and IL-10 Levels in Multiple Trauma Compared to Traumatic Brain Injury and Combined Trauma. European Journal of Trauma and Emergency Surgery, 2002, 28, 183-189.	0.3	8

#	ARTICLE	IF	CITATIONS
325	Diagnostics and Scoring in Blunt Chest Trauma. <i>European Journal of Trauma and Emergency Surgery</i> , 2002, 28, 157-167.	0.3	11
326	The effect of dehydroepiandrosterone on hemorrhage-induced suppression of cellular immune function. <i>Intensive Care Medicine</i> , 2002, 28, 963-968.	8.2	22
327	Zyklische Dehnung von humanen Fibroblasten moduliert zeitabhangig die Synthese von Kollagen Typ I und III. <i>Langenbecks Archiv Fur Chirurgie Supplement</i> , 2002, , 465-467.	0.0	0
328	Major Secondary Surgery in Blunt Trauma Patients and Perioperative Cytokine Liberation: Determination of the Clinical Relevance of Biochemical Markers. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 50, 989-1000.	2.4	226
329	Dehydroepiandrosterone decreases mortality rate and improves cellular immune function during polymicrobial sepsis. <i>Critical Care Medicine</i> , 2001, 29, 380-384.	0.9	77
330	Heterotopic Ossifications in Patients After Severe Blunt Trauma With and Without Head Trauma: Incidence and Patterns of Distribution. <i>Journal of Orthopaedic Trauma</i> , 2001, 15, 229-237.	1.4	67
331	GLYCINE REDUCES THE INFLAMMATORY RESPONSE AND ORGAN DAMAGE IN A TWO-HIT SEPSIS MODEL IN RATS. <i>Shock</i> , 2001, 16, 116-121.	2.1	36
332	DHEA EXERTS PROTECTIVE EFFECTS I POLYMICROBIAL SEPSIS - A PATHOGENETIC ROL FOR TNF- α ?. <i>Shock</i> , 2001, 15, 86-87.	2.1	0
333	THE EFFECT OF CYTOKINES ON THE EXPRESSION OF MEMBRANE-BOUND L-SELECTIN ON POLYMORPHNUCLEAR GRANULOCYTES.. <i>Shock</i> , 2001, 15, 2-3.	2.1	0
334	THE EFFECT OF TRAUMA ON NEUTROPHIL L-SELECTIN EXPRESSION AND sL-SELECTIN SERUM LEVELS. <i>Shock</i> , 2001, 15, 254-260.	2.1	31
335	Cyclic mechanical stretching enhances secretion of Interleukin 6 in human tendon fibroblasts. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2001, 9, 322-326.	4.2	100
336	Arthrofibrosis is the result of a T cell mediated immune response. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2001, 9, 282-289.	4.2	55
337	Organ-Specific Cytokine Gene Expression in Sepsis – an Experimental Study in a Two-Hit Septic Model. <i>European Journal of Trauma and Emergency Surgery</i> , 2001, 27, 191-198.	0.3	1
338	The Effect of Fucoidin on the Remote Pulmonary Injury in a Two-Hit Trauma Model in Mice. <i>European Journal of Trauma and Emergency Surgery</i> , 2001, 27, 317-326.	0.3	5
339	Cyclic mechanical stretching modulates secretion pattern of growth factors in human tendon fibroblasts. <i>European Journal of Applied Physiology</i> , 2001, 86, 48-52.	2.5	159
340	The Proliferative Response of Isolated Human Tendon Fibroblasts to Cyclic Biaxial Mechanical Strain. <i>American Journal of Sports Medicine</i> , 2000, 28, 888-892.	4.2	123
341	Biochemical changes after trauma and skeletal surgery of the lower extremity: Quantification of the operative burden. <i>Critical Care Medicine</i> , 2000, 28, 3441-3448.	0.9	193
342	Zyklische mechanische Dehnung humaner Fibroblasten – Einfluss unterschiedlicher Stressdauer auf die Zellproliferation. <i>Langenbecks Archiv Fur Chirurgie Supplement</i> , 2000, , 473-476.	0.0	0

#	ARTICLE	IF	CITATIONS
343	THE BIOCHEMICAL BURDEN OF TRAUMA AND OF PRIMARY INTRAMEDULLARY FEMORAL STABILIZATION (IMN).. Shock, 1999, 12, 49.	2.1	0
344	ADENOSINE-TRIPHOSPHATE (ATP) IN TRAUMA RELATED AND ELECTIVE HYPOTHERMIA.. Shock, 1999, 12, 15.	2.1	2
345	THE EFFECT OF FUCOIDIN IN A TWO HIT TRAUMA MODEL IN MICE.. Shock, 1999, 12, 31.	2.1	0
346	EXPRESSION OF CYTOKINES IN LUNG INJURY AFTER INTERVENTION WITH ANTI-L-SELECTIN IN EXPERIMENTAL ISCHEMIA-REPERFUSION.. Shock, 1999, 12, 32.	2.1	0
347	Einfluß von zyklischer mechanischer Dehnung auf die Zellproliferation humaner Fibroblasten. Arthroscopie, 1999, 12, 289-293.	0.5	1
348	Arthrofibrose. Arthroscopie, 1999, 12, 117-120.	0.5	24
349	Ätiologie der Arthrofibrose. Arthroscopie, 1999, 12, 215-221.	0.5	18
350	Immunohistochemical localization of collagen VI in arthrofibrosis. Archives of Orthopaedic and Trauma Surgery, 1999, 119, 315-318.	2.4	48
351	TIMING OF MAJOR SURGERY AND CYTOKINE RELEASE AFTER TRAUMA. Shock, 1999, 11, 4.	2.1	1
352	EXPRESSION OF CYTOKINES IN LUNG INJURY AFTER INTERVENTION WITH ANTI-L-SELECTIN IN EXPERIMENTAL ISCHEMIA-REPERFUSION. Shock, 1999, 11, 85.	2.1	0
353	RELATIONSHIPS BETWEEN CYTOKINE RELEASE, TIMING OF FRACTURE TREATMENT AND COMPLICATIONS IN TRAUMA PATIENTS. Shock, 1999, 12, 19-20.	2.1	0
354	DEHYDROEPIANDROSTERONE: NEW THERAPEUTIC APPROACH FOR REDUCTION OF MORTALITY ASSOCIATED WITH SEPSIS AND SIRS?. Shock, 1999, 12, 31-32.	2.1	0
355	ISCHEMIA-REPERFUSION DIRECTLY INCREASES PULMONARY ENDOTHELIAL PERMEABILITY IN VITRO. Shock, 1999, 11, 259-263.	2.1	31
356	Reticuloendothelial System Activity and Organ Failure in Patients With Multiple Injuries. Archives of Surgery, 1999, 134, 421.	2.2	48
357	Adenosine-Triphosphate in Trauma-Related and Elective Hypothermia. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 47, 673.	2.4	62
358	Die Arthrofibrose ist die Folge einer durch T-Zellen vermittelten Immunreaktion?. Langenbecks Archiv Für Chirurgie Supplement, 1999, , 67-71.	0.0	0
359	Cytokines and Adhesion Molecules in Elective and Accidental Trauma-Related Ischemia/Reperfusion. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 44, 874-882.	2.4	120
360	Intramuscular partial oxygen tension monitoring in compartment syndrome???an experimental study. European Journal of Emergency Medicine, 1997, 4, 185-192.	1.1	8

#	ARTICLE	IF	CITATIONS
361	Differential effects of sex hormones on autoantibody production and proteinuria in chronic graft-versus -host disease-induced experimental lupus nephritis. <i>Clinical and Experimental Immunology</i> , 1997, 107, 254-260.	2.6	29
362	The role of hypothermia in trauma patients. <i>European Journal of Emergency Medicine</i> , 1995, 2, 28-32.	1.1	30
363	Transcutaneous Po2 measurement in compound fractures. <i>European Journal of Emergency Medicine</i> , 1995, 2, 69-74.	1.1	1
364	Enhanced Microvasculature Formation and Patterning in iPSC-Derived Kidney Organoids Cultured in Physiological Hypoxia. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	7