

# Martijn van Griensven

## List of Publications by Year in descending order

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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	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
2	The challenge of establishing preclinical models for segmental bone defect research. <i>Biomaterials</i> , 2009, 30, 2149-2163.	11.4	351
3	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
4	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
5	Impact of Intramedullary Instrumentation versus Damage Control for Femoral Fractures on Immunoinflammatory Parameters. <i>Journal of Trauma</i> , 2003, 55, 7-13.	2.3	234
6	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
7	Comparison of human bone marrow stromal cells seeded on calcium-deficient hydroxyapatite, $\beta$ -tricalcium phosphate and demineralized bone matrix. <i>Biomaterials</i> , 2003, 24, 2593-2603.	11.4	214
8	Strategies to engineer tendon/ligament-to-bone interface: Biomaterials, cells and growth factors. <i>Advanced Drug Delivery Reviews</i> , 2015, 94, 126-140.	13.7	206
9	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
10	Whole-Body CT in Haemodynamically Unstable Severely Injured Patients – A Retrospective, Multicentre Study. <i>PLoS ONE</i> , 2013, 8, e68880.	2.5	198
11	INFLUENCE OF SEX AND AGE ON MODS AND CYTOKINES AFTER MULTIPLE INJURIES. <i>Shock</i> , 2007, 27, 151-156.	2.1	197
12	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
13	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
14	Selective blockade of interleukin-6 trans-signaling improves survival in a murine polymicrobial sepsis model*. <i>Critical Care Medicine</i> , 2011, 39, 1407-1413.	0.9	163
15	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
16	Thermoresponsive self-assembled elastin-based nanoparticles for delivery of BMPs. <i>Journal of Controlled Release</i> , 2010, 142, 312-318.	9.9	159
17	Human Mesenchymal Stem Cells from Adipose Tissue and Amnion Influence T-Cells Depending on Stimulation Method and Presence of Other Immune Cells. <i>Stem Cells and Development</i> , 2011, 20, 2115-2126.	2.1	146
18	Light therapy by blue LED improves wound healing in an excision model in rats. <i>Injury</i> , 2011, 42, 917-921.	1.7	133

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19	Face masks: benefits and risks during the COVID-19 crisis. <i>European Journal of Medical Research</i> , 2020, 25, 32.	2.2	132
20	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
21	Effects of cyclic longitudinal mechanical strain and dexamethasone on osteogenic differentiation of human bone marrow stromal cells. , 2004, 7, 35-41.		128
22	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
23	Cytokines and Adhesion Molecules in Elective and Accidental Trauma-Related Ischemia/Reperfusion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 44, 874-882.	2.4	120
24	IL-6 predicts organ dysfunction and mortality in patients with multiple injuries. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2009, 17, 49.	2.6	109
25	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
26	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
27	Morphology, mechanical characterization and in vivo neo-vascularization of chitosan particle aggregated scaffolds architectures. <i>Biomaterials</i> , 2008, 29, 3914-3926.	11.4	99
28	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
29	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
30	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
31	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
32	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
33	<i>Telomerase</i> Immortalized Human Amnion- and Adipose-Derived Mesenchymal Stem Cells: Maintenance of Differentiation and Immunomodulatory Characteristics. <i>Tissue Engineering - Part A</i> , 2009, 15, 1843-1854.	3.1	91
34	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
35	Spinal cord injury incidence, prognosis, and outcome: an analysis of the TraumaRegister DGU. <i>Spine Journal</i> , 2015, 15, 1994-2001.	1.3	85
36	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

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37	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
38	Impact of human amniotic membrane preparation on release of angiogenic factors. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2009, 3, 651-654.	2.7	81
39	State of the art and future perspectives of articular cartilage regeneration: a focus on adipose-derived stem cells and platelet-derived products. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, e36-e51.	2.7	81
40	Heparin functionalization increases retention of TGF- $\beta$ 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
41	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
42	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
43	<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
44	Dehydroepiandrosterone decreases mortality rate and improves cellular immune function during polymicrobial sepsis. <i>Critical Care Medicine</i> , 2001, 29, 380-384.	0.9	77
45	Application of Stem Cells in Orthopedics. <i>Stem Cells International</i> , 2012, 2012, 1-11.	2.5	72
46	The history and value of face masks. <i>European Journal of Medical Research</i> , 2020, 25, 23.	2.2	71
47	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
48	Human Adipose-Derived Stem Cells Contribute to Chondrogenesis in Coculture with Human Articular Chondrocytes. <i>Tissue Engineering - Part A</i> , 2009, 15, 3961-3969.	3.1	68
49	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
50	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
51	Circulating NT-proCNP predicts sepsis in multiple-traumatized patients without traumatic brain injury*. <i>Critical Care Medicine</i> , 2010, 38, 161-166.	0.9	67
52	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
53	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
54	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

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55	Polyactides in additive biomanufacturing. <i>Advanced Drug Delivery Reviews</i> , 2016, 107, 228-246.	13.7	63
56	Effects of accidental hypothermia on posttraumatic complications and outcome in multiple trauma patients. <i>Injury</i> , 2013, 44, 86-90.	1.7	62
57	Adenosine-Triphosphate in Trauma-Related and Elective Hypothermia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 47, 673.	2.4	62
58	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
59	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
60	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
61	Human mesenchymal stem cells and renal tubular epithelial cells differentially influence monocyte-derived dendritic cell differentiation and maturation. <i>Cellular Immunology</i> , 2011, 267, 30-38.	3.0	59
62	Gene Therapy for Bone Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 9.	4.1	59
63	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
64	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
65	LEUKOCYTE-ENDOTHELIAL INTERACTIONS VIA ICAM-1 ARE DETRIMENTAL IN POLYMICROBIAL SEPSIS. <i>Shock</i> , 2006, 25, 254-259.	2.1	58
66	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
67	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
68	Combined Hemorrhage/Trauma Models in Pigs – Current State and Future Perspectives. <i>Shock</i> , 2013, 40, 247-273.	2.1	54
69	Scaphotrapeziotrapezoid (STT)-Arthrodesis in Kienbock's Disease. <i>Journal of Hand Surgery</i> , 2004, 29, 580-584.	0.8	53
70	Comparison of Different Thoracic Trauma Scoring Systems in Regards to Prediction of Post-Traumatic Complications and Outcome in Blunt Chest Trauma. <i>Journal of Surgical Research</i> , 2012, 176, 239-247.	1.6	52
71	A Novel Silk Fiber-Based Scaffold for Regeneration of the Anterior Cruciate Ligament. <i>American Journal of Sports Medicine</i> , 2016, 44, 1547-1557.	4.2	51
72	Optimization of Bone Scaffold Porosity Distributions. <i>Scientific Reports</i> , 2019, 9, 9170.	3.3	51

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73	Calcium Alginate Gels as Stem Cell Matrix â€œ Making Paracrine Stem Cell Activity Available for Enhanced Healing after Surgery. PLoS ONE, 2015, 10, e0118937.	2.5	51
74	Osteogenic differentiation of intact human amniotic membrane. Biomaterials, 2010, 31, 8659-8665.	11.4	50
75	BMPâ€² but not VEGF or PDGF in fibrin matrix supports bone healing in a delayedâ€²union rat model. Journal of Orthopaedic Research, 2012, 30, 1563-1569.	2.3	50
76	Characterization of blunt chest trauma in a long-term porcine model of severe multiple trauma. Scientific Reports, 2016, 6, 39659.	3.3	50
77	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
78	Additive manufacturing in biomedical sciences and the need for definitions and norms. Expert Review of Medical Devices, 2015, 12, 537-543.	2.8	49
79	Immunohistochemical localization of collagen VI in arthrofibrosis. Archives of Orthopaedic and Trauma Surgery, 1999, 119, 315-318.	2.4	48
80	Application of collagen matrices for cartilage tissue engineering. Experimental and Toxicologic Pathology, 2006, 57, 305-311.	2.1	48
81	Sustained (rh)VEGF<sub>165</sub> release from a sprayed fibrin biomatrix induces angiogenesis, upâ€²regulation of endogenous VEGFâ€²R2, and reduces ischemic flap necrosis. Wound Repair and Regeneration, 2008, 16, 542-550.	3.0	48
82	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
83	Reticuloendothelial System Activity and Organ Failure in Patients With Multiple Injuries. Archives of Surgery, 1999, 134, 421.	2.2	48
84	Thromboelastometry (TEMâˆ©) Findings in Disseminated Intravascular Coagulation in a Pig Model of Endotoxemia. Molecular Medicine, 2011, 17, 266-272.	4.4	47
85	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
86	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
87	A chronic pressure ulcer model in the nude mouse. Wound Repair and Regeneration, 2009, 17, 480-484.	3.0	46
88	Modified mRNA for BMP-2 in Combination with Biomaterials Serves as a Transcript-Activated Matrix for Effectively Inducing Osteogenic Pathways in Stem Cells. Stem Cells and Development, 2017, 26, 25-34.	2.1	46
89	Role of adhesion molecule ICAM in the pathogenesis of polymicrobial sepsis. Experimental and Toxicologic Pathology, 2005, 56, 281-290.	2.1	45
90	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

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91	Association between volume of severely injured patients and mortality in German trauma hospitals. <i>British Journal of Surgery</i> , 2015, 102, 1213-1219.	0.3	43
92	miRNAs Related to Skeletal Diseases. <i>Stem Cells and Development</i> , 2016, 25, 1261-1281.	2.1	43
93	Effect of a Neonatal Resuscitation Course on Healthcare Providersâ€™ Performances Assessed by Video Recording in a Low-Resource Setting. <i>PLoS ONE</i> , 2015, 10, e0144443.	2.5	43
94	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
95	Dynamic cultivation of human mesenchymal stem cells in a rotating bed bioreactor system based on the ZÄ®RP platform. <i>Biotechnology Progress</i> , 2009, 25, 1762-1771.	2.6	42
96	The optimal carrier for BMP-2: a comparison of collagen versus fibrin matrix. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2012, 132, 1363-1370.	2.4	42
97	<i>In Vivo</i> Performance of Chitosan/Soy-Based Membranes as Wound-Dressing Devices for Acute Skin Wounds. <i>Tissue Engineering - Part A</i> , 2013, 19, 860-869.	3.1	42
98	INFLUENCE OF ??-ADRENOCEPTOR ANTAGONISTS ON HEMORRHAGE-INDUCED CELLULAR IMMUNE SUPPRESSION. <i>Shock</i> , 2002, 18, 331-335.	2.1	41
99	Systemic Inflammatory Response After Extremity or Truncal Fracture Operations. <i>Journal of Trauma</i> , 2008, 65, 1379-1384.	2.3	41
100	Human adipose derived stem cells reduce callus volume upon BMP-2 administration in bone regeneration. <i>Injury</i> , 2011, 42, 814-820.	1.7	41
101	GENETIC PREDISPOSITION FOR A COMPROMISED IMMUNE SYSTEM AFTER MULTIPLE TRAUMA. <i>Shock</i> , 2005, 24, 518-522.	2.1	39
102	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
103	Enhanced cell adhesion on silk fibroin via lectin surface modification. <i>Acta Biomaterialia</i> , 2014, 10, 2506-2517.	8.3	38
104	Decellularized Kidney Matrix for Perfused Bone Engineering. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 553-561.	2.1	38
105	Polymer Functionalization as a Powerful Tool to Improve Scaffold Performances. <i>Tissue Engineering - Part A</i> , 2014, 20, 2043-2051.	3.1	38
106	The effect of anti-L-selectin (aselizumab) in multiple traumatized patientsâ€™ Results of a phase II clinical trial*. <i>Critical Care Medicine</i> , 2004, 32, 2021-2028.	0.9	37
107	Secondary effects of femoral instrumentation on pulmonary physiology in a standardised sheep model. <i>Injury</i> , 2005, 36, 544-555.	1.7	37
108	In vivo short-term and long-term host reaction to starch-based scaffolds. <i>Acta Biomaterialia</i> , 2010, 6, 4314-4326.	8.3	37

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109	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
110	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
111	FGF $\beta$ abolishes the chondrogenic effect of combined BMP $\beta$ and TGF $\beta$ in human adipose derived stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 978-987.	4.0	36
112	Systemic Inflammatory Effects of Traumatic Brain Injury, Femur Fracture, and Shock: An Experimental Murine Polytrauma Model. <i>Mediators of Inflammation</i> , 2012, 2012, 1-7.	3.0	36
113	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
114	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
115	Blunt Cardiac Injury in the Severely Injured – A Retrospective Multicentre Study. <i>PLoS ONE</i> , 2015, 10, e0131362.	2.5	36
116	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
117	Polymicrobial sepsis induces organ changes due to granulocyte adhesion in a murine two hit model of trauma. <i>Experimental and Toxicologic Pathology</i> , 2002, 54, 203-209.	2.1	35
118	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
119	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
120	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
121	Signaling pathway STAT1 is strongly activated by IFN $\gamma$ in the pathogenesis of osteoporosis. <i>European Journal of Medical Research</i> , 2015, 20, 1.	2.2	35
122	Preclinical testing of drug delivery systems to bone. <i>Advanced Drug Delivery Reviews</i> , 2015, 94, 151-164.	13.7	35
123	Elevated systemic IL-18 and neopterin levels are associated with posttraumatic complications among patients with multiple injuries: A prospective cohort study. <i>Injury</i> , 2009, 40, 528-534.	1.7	34
124	Starch-poly- $\epsilon$ -caprolactone Microparticles Reduce the Needed Amount of BMP-2. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 3138-3148.	1.5	34
125	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
126	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

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127	Protective Effects of the Complement Inhibitor Compstatin CP40 in Hemorrhagic Shock. <i>Shock</i> , 2019, 51, 78-87.	2.1	34
128	Dehydroepiandrosterone (DHEA) Modulates the Activity and the Expression of Lymphocyte Subpopulations Induced by Cecal Ligation and Puncture. <i>Shock</i> , 2002, 18, 445-449.	2.1	33
129	Mechanical and flow characterization of Sponceram <sup>®</sup> 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
130	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
131	Genetic Predisposition for Development of Complications in Multiple Trauma Patients. <i>Shock</i> , 2011, 35, 440-448.	2.1	32
132	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
133	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
134	ISCHEMIA-REPERFUSION DIRECTLY INCREASES PULMONARY ENDOTHELIAL PERMEABILITY IN VITRO. <i>Shock</i> , 1999, 11, 259-263.	2.1	31
135	THE EFFECT OF TRALUMA ON NEUTROPHIL L-SELECTIN EXPRESSION AND sL-SELECTIN SERUM LEVELS. <i>Shock</i> , 2001, 15, 254-260.	2.1	31
136	Reconstruction of the anterior cruciate ligament: a clinical comparison of bone-patellar tendon-bone single bundle versus semitendinosus and gracilis double bundle technique. <i>International Orthopaedics</i> , 2011, 35, 127-133.	1.9	31
137	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
138	The role of hypothermia in trauma patients. <i>European Journal of Emergency Medicine</i> , 1995, 2, 28-32.	1.1	30
139	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
140	Pantoprazole Decreases Cell Viability and Function of Human Osteoclasts <i>In Vitro</i> . <i>Mediators of Inflammation</i> , 2015, 2015, 1-8.	3.0	30
141	Whole-body computed tomography in severely injured patients. <i>Current Opinion in Critical Care</i> , 2018, 24, 55-61.	3.2	30
142	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
143	Cultivation of MC3T3-E1 cells on a newly developed material (Sponceram <sup>®</sup> ) using a rotating bed system bioreactor. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 268-275.	4.0	29
144	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

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145	Why do they die? Comparison of selected aspects of organ injury and dysfunction in mice surviving and dying in acute abdominal sepsis. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 48.	1.9	29
146	An <i>in vitro</i> model of mesenchymal stem cell targeting using magnetic particle labelling. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 724-733.	2.7	29
147	Impact of hypothermia on the immunologic response after trauma and elective surgery. <i>Surgical Technology International</i> , 2005, 14, 41-50.	0.2	29
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