

Thomas Mittlmeier

List of Publications by Year in descending order

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Version: 2024-02-01

184
papers

6,305
citations

71102

41
h-index

102487

66
g-index

309
all docs

309
docs citations

309
times ranked

4799
citing authors

#	ARTICLE	IF	CITATIONS
1	3D optical scanning as an objective and reliable tool for volumetry of the foot and ankle region. Foot and Ankle Surgery, 2022, 28, 200-204.	1.7	3
2	Physiological and metabolic effects of healthy female aging on exhaled breath biomarkers. IScience, 2022, 25, 103739.	4.1	18
3	Bisphenol A-Related Effects on Bone Morphology and Biomechanical Properties in an Animal Model. Toxics, 2022, 10, 86.	3.7	3
4	Intraoperative three-dimensional imaging in ankle syndesmotic reduction. BMC Musculoskeletal Disorders, 2021, 22, 116.	1.9	3
5	Focus on foot and ankle. European Journal of Trauma and Emergency Surgery, 2021, 47, 889-890.	1.7	0
6	MATLAB-based tools for automated processing of motion tracking data provided by the GRAIL. Gait and Posture, 2021, 90, 422-426.	1.4	2
7	Treatment of perioperative swelling by rest, ice, compression, and elevation (RICE) without and with additional application of negative pressure (RICE+) in patients with a unilateral ankle fracture: study protocol for a monocentric, evaluator-blinded randomized controlled pilot trial. Pilot and Feasibility Studies, 2021, 7, 203.	1.2	3
8	Preoperative skin antiseptics using chlorhexidine may reduce surgical wound infections in lower limb trauma surgery when compared to povidone-iodine - a prospective randomized trial. American Journal of Infection Control, 2020, 48, 167-172.	2.3	19
9	Evaluation of fetuin-A as a predictor of outcome after surgery for osteoporotic fracture of the proximal femur. Archives of Orthopaedic and Trauma Surgery, 2020, 140, 1359-1366.	2.4	2
10	What is the added value of pedobarography for assessing functional outcome of displaced intra-articular calcaneal fractures? A systematic review of existing literature. Clinical Biomechanics, 2020, 72, 8-15.	1.2	4
11	Interval Training Is Not Superior to Endurance Training With Respect to Bone Accrual of Ovariectomized Mice. Frontiers in Physiology, 2020, 11, 1096.	2.8	6
12	Tibial plateau fracture: does fracture classification influence the choice of surgical approach? A retrospective multicenter analysis. European Journal of Trauma and Emergency Surgery, 2020, , 1.	1.7	7
13	Ischemic Preconditioning Did Not Affect Central and Peripheral Factors of Performance Fatigability After Submaximal Isometric Exercise. Frontiers in Physiology, 2020, 11, 371.	2.8	9
14	Dynamic Manugraphy as a Promising Tool to Assess the Outcome of Limited Aponeurectomy in Patients With Dupuytren's Contracture. Frontiers in Medicine, 2020, 7, 604891.	2.6	2
15	Method for assessment of matching of total ankle joint endoprostheses based on CT data. Current Directions in Biomedical Engineering, 2020, 6, 396-397.	0.4	0
16	Therapy of aseptic nonunions with parathyroid hormone. European Journal of Orthopaedic Surgery and Traumatology, 2019, 29, 169-173.	1.4	13
17	Calcaneal fracture fixation using a new interlocking nail reduces complications compared to standard locking plates – Preliminary results after 1.6 years. Injury, 2019, 50, 63-68.	1.7	11
18	The circular arc shaped nail for fixing the tibiototalcalcaneal arthrodesis. After clinical results.. Injury, 2019, 50, 23-31.	1.7	4

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19	Dietary Nitrate Supplementation Improves Exercise Tolerance by Reducing Muscle Fatigue and Perceptual Responses. <i>Frontiers in Physiology</i> , 2019, 10, 404.	2.8	43
20	Primary or Secondary Subtalar Arthrodesis and Revision of Calcaneal Nonunion with Minimally Invasive Rigid Internal Nail Fixation for Treatment of Displaced Intra-Articular Calcaneal Fractures. <i>Clinics in Podiatric Medicine and Surgery</i> , 2019, 36, 295-306.	0.6	4
21	Minimally invasive internal fixation of calcaneal fractures or subtalar joint arthrodesis using the Calcanail®. <i>Operative Orthopadie Und Traumatologie</i> , 2019, 31, 149-164.	2.2	10
22	Long-Term Clinical and Radiological Outcome in Primary Hemiarthroplasty for Comminuted Humeral Head Fractures in the Elderly: A 5 - 10 Years Follow-Up Prospective Study. <i>Open Journal of Orthopedics</i> , 2019, 09, 165-179.	0.1	0
23	Young and healthy C57BL/6 J mice performing sprint interval training reveal gender- and site-specific changes to the cortical bone. <i>Scientific Reports</i> , 2018, 8, 1529.	3.3	8
24	Are large fracture trials really possible? What we have learned from the randomized controlled damage control study?. <i>European Journal of Trauma and Emergency Surgery</i> , 2018, 44, 917-925.	1.7	4
25	Influence of Maximal or Submaximal Effort on the Load Distribution of the Hand Analyzed by Manugraphy. <i>Journal of Hand Surgery</i> , 2018, 43, 948.e1-948.e9.	1.6	5
26	Impact of Blood Flow Restriction Exercise on Muscle Fatigue Development and Recovery. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 436-446.	0.4	56
27	Foot Function After Surgically Treated Intraarticular Calcaneal Fractures: Correlation of Clinical and Pedobarographic Results of 65 Patients Followed for 8 Years. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, 593-600.	1.4	11
28	Testing of dynamic wrist joint external fixator mobility and reaction moment. <i>Current Directions in Biomedical Engineering</i> , 2018, 4, 447-448.	0.4	0
29	Corneal Subbasal Nerve Plexus Changes in Severe Diabetic Charcot Foot Deformity: A Pilot Study in Search for a DNOAP Biomarker. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-7.	2.3	8
30	Update on Subtalar Joint Instability. <i>Foot and Ankle Clinics</i> , 2018, 23, 397-413.	1.3	38
31	Parameters influencing hand grip strength measured with the manugraphy system. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 54.	1.9	16
32	Proliferation, migration and differentiation potential of human mesenchymal progenitor cells derived from osteoarthritic subchondral cancellous bone. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2018, 14, 45-52.	2.2	4
33	Subchondral bone sclerosis and cancellous bone loss following OA induction depend on the underlying bone phenotype. <i>Joint Bone Spine</i> , 2017, 84, 71-77.	1.6	8
34	Online Studies on Variation in Orthopedic Surgery: Computed Tomography in MPEG4 Versus DICOM Format. <i>Journal of Digital Imaging</i> , 2017, 30, 547-554.	2.9	5
35	Load distribution of the hand during cylinder grip analyzed by Manugraphy. <i>Journal of Hand Therapy</i> , 2017, 30, 529-537.	1.5	21
36	Sprint Interval Training Induces A Sexual Dimorphism but does not Improve Peak Bone Mass in Young and Healthy Mice. <i>Scientific Reports</i> , 2017, 7, 44047.	3.3	6

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37	Modified step aerobics training and neuromuscular function in osteoporotic patients: a randomized controlled pilot study. Archives of Orthopaedic and Trauma Surgery, 2017, 137, 195-207.	2.4	5
38	Four-Strand Core Suture Improves Flexor Tendon Repair Compared to Two-Strand Technique in a Rabbit Model. BioMed Research International, 2016, 2016, 1-6.	1.9	7
39	Cementless Titanium Mesh Fixation of Osteoporotic Burst Fractures of the Lumbar Spine Leads to Bony Healing: Results of an Experimental Sheep Model. BioMed Research International, 2016, 2016, 1-9.	1.9	8
40	A Case of Implant Failure in Partial Wrist Fusion Applying Magnesium-Based Headless Bone Screws. Case Reports in Orthopedics, 2016, 2016, 1-5.	0.3	19
41	Dietary Restriction-Induced Alterations in Bone Phenotype: Effects of Lifelong Versus Short-Term Caloric Restriction on Femoral and Vertebral Bone in C57BL/6 Mice. Journal of Bone and Mineral Research, 2016, 31, 852-863.	2.8	27
42	Results of geriatric distal radius fractures treated by intramedullary fixation. Injury, 2016, 47, S31-S35.	1.7	12
43	Risk reduction of needle stick injuries due to continuous shift from unsafe to safe instruments at a German University Hospital. European Journal of Microbiology and Immunology, 2016, 6, 227-237.	2.8	6
44	Proximal humeral fractures: non-operative treatment versus intramedullary nailing in 2-, 3- and 4-part fractures. Injury, 2016, 47, S14-S19.	1.7	26
45	Fixation of intra-articular fractures of the distal radius using intramedullary nailing: a randomized trial versus palmar locking plates. Injury, 2016, 47, S25-S30.	1.7	18
46	Reducing the underreporting of percutaneous exposure incidents: A single-center experience. American Journal of Infection Control, 2016, 44, 941-943.	2.3	15
47	The effect of a collagen-elastin matrix on adhesion formation after flexor tendon repair in a rabbit model. Archives of Orthopaedic and Trauma Surgery, 2016, 136, 1021-1029.	2.4	19
48	Interlocking Nailing Versus Interlocking Plating in Intra-articular Calcaneal Fractures. Foot and Ankle International, 2016, 37, 891-897.	2.3	31
49	Interpretation of Post-operative Distal Humerus Radiographs After Internal Fixation: Prediction of Later Loss of Fixation. Journal of Hand Surgery, 2016, 41, e337-e341.	1.6	3
50	OS5-37 Interlocking nailing in intraarticular calcaneal fractures: a biomechanical cadaver study of two different interlocking nails vs. an interlocking plate. Injury, 2016, 47, S14.	1.7	7
51	The Bindex [®] ultrasound device: reliability of cortical bone thickness measures and their relationship to regional bone mineral density. Physiological Measurement, 2016, 37, 1528-1540.	2.1	8
52	Muscle, Ligament and Tendon Regeneration. , 2016, , 349-366.		0
53	Interobserver reliability of the Schatzker and Luo classification systems for tibial plateau fractures. Injury, 2016, 47, 944-949.	1.7	28
54	Fibroblast Growth Factor-23, Sclerostin, and Bone Microarchitecture in Patients With Osteoporotic Fractures of the Proximal Femur: A Cross-sectional Study. Journal of Clinical Densitometry, 2016, 19, 192-201.	1.2	1

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55	Focus on osteo-ligamentous injuries around the ankle. European Journal of Trauma and Emergency Surgery, 2015, 41, 585-586.	1.7	0
56	Prediction of complications in a high-risk cohort of patients undergoing corrective arthrodesis of late stage Charcot deformity based on the PEDIS score. BMC Musculoskeletal Disorders, 2015, 16, 349.	1.9	18
57	Bony Healing of Unstable Thoracolumbar Burst Fractures in the Elderly Using Percutaneously Applied Titanium Mesh Cages and a Transpedicular Fixation System with Expandable Screws. PLoS ONE, 2015, 10, e0117122.	2.5	11
58	Late Corrective Arthrodesis in Nonplantigrade Diabetic Charcot Midfoot Disease Is Associated with High Complication and Reoperation Rates. Journal of Diabetes Research, 2015, 2015, 1-8.	2.3	20
59	Intramedullary fixation in severe Charcot osteo-neuroarthropathy with foot deformity results in adequate correction without loss of correction – Results from a multi-centre study. Foot and Ankle Surgery, 2015, 21, 269-276.	1.7	32
60	The standardized creation of a lumbar spine vertebral compression fracture in a sheep osteoporosis model induced by ovariectomy, corticosteroid therapy and calcium/phosphorus/vitamin D-deficient diet. Injury, 2015, 46, S17-S23.	1.7	14
61	Intrabody application of eptotermin alpha enhances bone formation in osteoporotic fractures of the lumbar spine; however, fails to increase biomechanical stability – results of an experimental sheep model. Growth Factors, 2015, 33, 290-297.	1.7	5
62	New TiAg composite coating for bone prosthesis engineering shows promising microvascular compatibility in the murine dorsal skinfold chamber model. Journal of Materials Science: Materials in Medicine, 2015, 26, 5373.	3.6	3
63	Minimum cement volume required in vertebral body augmentation – A biomechanical study comparing the permanent SpineJack device and balloon kyphoplasty in traumatic fracture. Clinical Biomechanics, 2015, 30, 720-725.	1.2	31
64	Reduction and internal fixation of displaced intra-articular calcaneal fractures with a locking nail: a prospective study of sixty nine cases. International Orthopaedics, 2015, 39, 2061-2067.	1.9	38
65	The Effect of Midcarpal Versus Total Wrist Fusion on the Hand's Load Distribution During Gripping. Journal of Hand Surgery, 2015, 40, 2183-2190.	1.6	9
66	Subtalar joint instability. European Journal of Trauma and Emergency Surgery, 2015, 41, 623-629.	1.7	38
67	Metatarsophalangeal Joint Fusion. Foot and Ankle Clinics, 2015, 20, 465-477.	1.3	33
68	Vascularized Hypothenar Fat Pad Flap in Revision Surgery for Carpal Tunnel Syndrome. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2015, 76, 438-442.	0.8	16
69	Cementless Fixation of Osteoporotic VCFs Using Titanium Mesh Implants (OsseoFix): Preliminary Results. BioMed Research International, 2014, 2014, 1-8.	1.9	15
70	Angular stable multiple screw fixation (Targon FN) versus standard SHS for the fixation of femoral neck fractures. Injury, 2014, 45, S76-S80.	1.7	47
71	Primary stability of an intramedullary calcaneal nail and an angular stable calcaneal plate in a biomechanical testing model of intraarticular calcaneal fracture. Injury, 2014, 45, S49-S53.	1.7	35
72	Changes in length of the plantar aponeurosis during the stance phase of gait – An in vivo dynamic fluoroscopic study. Annals of Anatomy, 2014, 196, 471-478.	1.9	21

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73	Interobserver Variability in the Treatment of Little Finger Metacarpal Neck Fractures. <i>Journal of Hand Surgery</i> , 2014, 39, 1722-1727.	1.6	21
74	Acromioclavicular joint dislocations: radiological correlation between Rockwood classification system and injury patterns in human cadaver species. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2014, 134, 1193-1198.	2.4	16
75	Grip force monitoring on the hand: Manugraphy system versus Jamar dynamometer. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2014, 134, 1179-1188.	2.4	25
76	Intramedullary nail versus volar plate fixation of extra-articular distal radius fractures. Two year results of a prospective randomized trial. <i>Injury</i> , 2014, 45, S3-S8.	1.7	49
77	Fracture near press-on interlocking enhances callus mineralisation in a sheep midshaft tibia osteotomy model. <i>Injury</i> , 2014, 45, S66-S70.	1.7	1
78	Intramedullary medial column support with the Midfoot Fusion Bolt (MFB) is not sufficient for osseous healing of arthrodesis in neuroosteoarthropathic feet. <i>Injury</i> , 2014, 45, S38-S43.	1.7	47
79	Non-bridging external fixation employing multiplanar K-wires versus volar locked plating for dorsally displaced fractures of the distal radius. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2013, 133, 595-602.	2.4	60
80	Population-based prospective study on the incidence of osteoporosis-associated fractures in a German population of 200 413 inhabitants. <i>Journal of Public Health</i> , 2013, 35, 255-261.	1.8	33
81	Vitamin D Increases Cellular Turnover and Functionally Restores the Skeletal Muscle after Crush Injury in Rats. <i>American Journal of Pathology</i> , 2013, 182, 895-904.	3.8	71
82	First Ray Instability in Hallux Valgus Deformity. <i>Foot and Ankle International</i> , 2013, 34, 124-130.	2.3	49
83	A Pan-Caspase Inhibitor Reduces Myocyte Apoptosis and Neuropathic Pain in Rats with Chronic Constriction Injury of the Sciatic Nerve. <i>Anesthesia and Analgesia</i> , 2013, 116, 216-223.	2.2	11
84	Antithrombin Reduces Inflammation and Microcirculatory Perfusion Failure in Closed Soft-Tissue Injury and Endotoxemia. <i>Critical Care Medicine</i> , 2013, 41, 867-873.	0.9	12
85	Muscle and Ligament Regeneration. , 2013, , 1101-1115.		0
86	Distal Radius Fractures. <i>Journal of Pediatric Orthopaedics</i> , 2012, 32, S128-S130.	1.2	30
87	Compartmental and muscular response to closed soft tissue injury in rats investigated by oxygen-to-see and intravital fluorescence microscopy. <i>Journal of Trauma and Acute Care Surgery</i> , 2012, 73, 73-79.	2.1	5
88	Erythropoietin enhances the regeneration of traumatized tissue after combined muscle-nerve injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2012, 72, 1567-1575.	2.1	12
89	Osteogenic capacity of nanocrystalline bone cement in a weight-bearing defect at the ovine tibial metaphysis. <i>International Journal of Nanomedicine</i> , 2012, 7, 2883.	6.7	29
90	Internal fixation of fractures of the proximal humerus with the MultiLoc nail. <i>Operative Orthopädie Und Traumatologie</i> , 2012, 24, 418-431.	2.2	32

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91	Reliability and consequences of intraoperative 3D imaging to control positions of thoracic pedicle screws. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2012, 132, 1371-1377.	2.4	13
92	Adenoviral transduction supports matrix expression of alginate cultured articular chondrocytes. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2402-2408.	3.3	2
93	Locked nailing for the treatment of displaced articular fractures of the calcaneus: description of a new procedure with calcanail®. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2012, 22, 345-349.	1.4	50
94	Melatonin restores muscle regeneration and enhances muscle function after crush injury in rats. <i>Journal of Pineal Research</i> , 2012, 52, 62-70.	7.4	52
95	Anatomie, Biomechanik und Pathomechanik des Pilon tibiale. <i>Fuss Und Sprunggelenk</i> , 2012, 10, 3-11.	0.0	8
96	Locking plate fixation of humeral head fractures with a telescoping screw. A comparative biomechanical study versus a standard plate. <i>Injury</i> , 2012, 43, 734-738.	1.7	7
97	Investigation of first ray mobility during gait by kinematic fluoroscopic imaging-a novel method. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 14.	1.9	24
98	Inhibition of caspase mediated apoptosis restores muscle function after crush injury in rat skeletal muscle. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012, 17, 269-277.	4.9	19
99	Hook plate fixation for acromioclavicular joint separations restores coracoclavicular distance more accurately than PDS augmentation, however presents with a high rate of acromial osteolysis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2012, 132, 33-39.	2.4	74
100	Fibroblast Growth Factor-2â€œOverexpressing Myoblasts Encapsulated in Alginate Spheres Increase Proliferation, Reduce Apoptosis, Induce Adipogenesis, and Enhance Regeneration Following Skeletal Muscle Injury in Rats. <i>Tissue Engineering - Part A</i> , 2011, 17, 2867-2877.	3.1	23
101	Expression of Leptin, Leptin Receptor, and Connective Tissue Growth Factor in Degenerative Disk Lesions in the Wrist. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011, 27, 755-760.	2.7	6
102	Ebselen Reduces Inflammation and Microvascular Perfusion Failure After Blunt Skeletal Muscle Injury of the Rat. <i>Journal of Trauma</i> , 2010, 68, 853-858.	2.3	9
103	Frequencies of Polymorphisms in Cytokines, Neurotransmitters and Adrenergic Receptors in Patients With Complex Regional Pain Syndrome Type I After Distal Radial Fracture. <i>Clinical Journal of Pain</i> , 2010, 26, 175-181.	1.9	35
104	Intraoperative Position Determination of Bone Cement Trocars by 3-dimensional Imaging in Patients With Osteoporotic Vertebral Fractures. <i>Journal of Spinal Disorders and Techniques</i> , 2010, 23, e16-e23.	1.9	4
105	Reconstruction After Malunited Lisfranc Injuries. <i>European Journal of Trauma and Emergency Surgery</i> , 2010, 36, 217-226.	1.7	5
106	Cartilage cell proliferation in degenerative TFCC wrist lesions. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 953-956.	2.4	12
107	Microcirculatory sequelae of the rotator cuff after antegrade nailing in proximal humerus fracture. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 687-691.	2.4	29
108	Expression of TRAIL and death receptor DR4 in Palmer type 2 TFCC lesions. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 1215-1220.	2.4	7

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109	Intraoperative three-dimensional fluoroscopy assessment of iliosacral screws and lumbopelvic implants stabilizing fractures of the os sacrum. Archives of Orthopaedic and Trauma Surgery, 2010, 130, 1363-1369.	2.4	8
110	Vertebral body stenting: a new method for vertebral augmentation versus kyphoplasty. European Spine Journal, 2010, 19, 916-923.	2.2	102
111	Should One Consider Primary Surgical Reconstruction in Charcot Arthropathy of the Feet?. Clinical Orthopaedics and Related Research, 2010, 468, 1002-1011.	1.5	77
112	Which is the ideal point of time to perform intraoperative 3D imaging in dorsal stabilisation of thoracolumbar spine fractures? A matched pair analysis. Injury, 2010, 41, 996-1001.	1.7	2
113	Open blunt crush injury of different severity determines nature and extent of local tissue regeneration and repair. Journal of Orthopaedic Research, 2010, 28, 950-957.	2.3	25
114	Tratamento cirúrgico da fratura toracolombar. Acta Ortopedica Brasileira, 2009, 17, 9-12.	0.5	2
115	Die Korrekturarthrodese der Lisfrancgelenke. Fuss Und Sprunggelenk, 2009, 7, 118-131.	0.0	0
116	Benefit and accuracy of intraoperative 3D-imaging after pedicle screw placement: a prospective study in stabilizing thoracolumbar fractures. European Spine Journal, 2009, 18, 1469-1477.	2.2	65
117	Is Locking Nailing of Humeral Head Fractures Superior to Locking Plate Fixation?. Clinical Orthopaedics and Related Research, 2009, 467, 2986-2993.	1.5	103
118	Introduction of a new interlocked intramedullary nailing device for stabilization of critically sized femoral defects in the rat: A combined biomechanical and animal experimental study. Journal of Orthopaedic Research, 2008, 26, 184-189.	2.3	31
119	Erythropoietin improves functional and histological recovery of traumatized skeletal muscle tissue. Journal of Orthopaedic Research, 2008, 26, 1618-1626.	2.3	53
120	Sublethal Trauma Model With Systemic Endotoxemia for the Study of Microcirculatory Disorders After the Second Hit. Journal of Surgical Research, 2008, 147, 68-74.	1.6	16
121	Granulocyte-colony stimulating factor enhances muscle proliferation and strength following skeletal muscle injury in rats. Journal of Applied Physiology, 2007, 103, 1857-1863.	2.5	54
122	Ischemic Preconditioning Prevents Skeletal Muscle Tissue Injury, But Not Nerve Lesion Upon Tourniquet-Induced Ischemia. Journal of Trauma, 2007, 63, 788-797.	2.3	33
123	Biomechanical In Vitro Testing of Human Osteoporotic Lumbar Vertebrae Following Prophylactic Kyphoplasty With Different Candidate Materials. Spine, 2007, 32, 1400-1405.	2.0	20
124	Activated protein C reduces tissue hypoxia, inflammation, and apoptosis in traumatized skeletal muscle during endotoxemia. Critical Care Medicine, 2007, 35, 1966-1971.	0.9	16
125	Continuous intra-arterial application of substance P induces signs and symptoms of experimental complex regional pain syndrome (CRPS) such as edema, inflammation and mechanical pain but no thermal pain. Neuroscience, 2007, 148, 757-765.	2.3	25
126	Prolonged Superficial Local Cryotherapy Attenuates Microcirculatory Impairment, Regional Inflammation, and Muscle Necrosis after Closed Soft Tissue Injury in Rats. American Journal of Sports Medicine, 2007, 35, 93-102.	4.2	103

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127	Intra-Articular Pressure Measurement in the Radioulnocarpal Joint Using a Novel Sensor: In Vitro and In Vivo Results. <i>Journal of Hand Surgery</i> , 2007, 32, 67-75.	1.6	87
128	Elevated IL-6 levels in the synovial fluid of osteoarthritis patients stem from plasma cells. <i>Scandinavian Journal of Rheumatology</i> , 2007, 36, 136-139.	1.1	84
129	Fixation of Proximal Humeral Fractures with an Intramedullary Nail: Tipps and Tricks. <i>European Journal of Trauma and Emergency Surgery</i> , 2007, 33, 367-374.	1.7	23
130	Angular and sliding stable antegrade nailing (Targon PH) for the treatment of proximal humeral fractures. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2007, 127, 937-944.	2.4	61
131	Partial weight bearing after surgery for fractures of the lower extremity – is it achievable?. <i>Gait and Posture</i> , 2006, 23, 99-105.	1.4	107
132	Exaggeration of tissue trauma induces signs and symptoms of acute CRPS I, however displays distinct differences to experimental CRPS II. <i>Neuroscience Letters</i> , 2006, 402, 267-272.	2.1	17
133	Local Cooling Restores Microcirculatory Hemodynamics after Closed Soft-Tissue Trauma in Rats. <i>Journal of Trauma</i> , 2006, 61, 642-649.	2.3	36
134	Detection of Fibular Torsional Deformities after Surgery for Ankle Fractures with a Novel CT Method. <i>Foot and Ankle International</i> , 2006, 27, 1115-1121.	2.3	79
135	SUPERNATANT OF TRAUMATIZED MUSCLE INDUCES INFLAMMATION AND PAIN, BUT NOT MICROCIRCULATORY PERFUSION FAILURE AND APOPTOTIC CELL DEATH. <i>Shock</i> , 2005, 24, 219-225.	2.1	13
136	Effect of systemic hypothermia on local soft tissue trauma-induced microcirculatory and cellular dysfunction in mice*. <i>Critical Care Medicine</i> , 2005, 33, 1805-1813.	0.9	66
137	Acute effects of N-acetylcysteine on skeletal muscle microcirculation following closed soft tissue trauma in rats. <i>Journal of Orthopaedic Research</i> , 2005, 23, 231-241.	2.3	19
138	Selective Cyclooxygenase-2 Inhibition Reverses Microcirculatory and Inflammatory Sequelae of Closed Soft-Tissue Trauma in an Animal Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 153-160.	3.0	20
139	Fractures of the Distal Radius Treated With a Nonbridging External Fixation Technique Using Multiplanar K-Wires. <i>Journal of Hand Surgery</i> , 2005, 30, 960-968.	1.6	37
140	Gene expression profile and synovial microcirculation at early stages of collagen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2005, 7, R868.	3.5	18
141	SELECTIVE CYCLOOXYGENASE-2 INHIBITION REVERSES MICROCIRCULATORY AND INFLAMMATORY SEQUELAE OF CLOSED SOFT-TISSUE TRAUMA IN AN ANIMAL MODEL. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 153-160.	3.0	5
142	Sesamoid and toe fractures. <i>Injury</i> , 2004, 35, 87-97.	1.7	63
143	Metatarsal fractures. <i>Injury</i> , 2004, 35, 77-86.	1.7	127
144	Efficiency of small-volume resuscitation in restoration of disturbed skeletal muscle microcirculation after soft-tissue trauma and haemorrhagic shock. <i>Langenbeck's Archives of Surgery</i> , 2004, 389, 40-45.	1.9	13

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145	In vivo evidence for apoptosis, but not inflammation in the hindlimb muscle of neuropathic rats. Pain, 2004, 112, 121-130.	4.2	25
146	The Logic and Clinical Applications of Blocking Screws. Journal of Bone and Joint Surgery - Series A, 2004, 86, 17-25.	3.0	106
147	Temporal profile of microvascular disturbances in rat tibial periosteum following closed soft tissue trauma. Langenbeck's Archives of Surgery, 2003, 388, 323-330.	1.9	32
148	Noninvasive analysis of conjunctival microcirculation during carotid artery surgery reveals microvascular evidence of collateral compensation and stenosis-dependent adaptation. Journal of Vascular Surgery, 2003, 37, 789-797.	1.1	34
149	Small volume hypertonic hydroxyethyl starch reduces acute microvascular dysfunction after closed soft-tissue trauma. Journal of Bone and Joint Surgery: British Volume, 2003, 85-B, 126-132.	3.4	36
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