

Thomas Mittlmeier

List of Publications by Year in descending order

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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	Current Concepts Review - Rupture of the Achilles Tendon*. Journal of Bone and Joint Surgery - Series A, 1999, 81, 1019-36.	3.0	499
2	STABILIZATION OF PROXIMAL HUMERAL FRACTURES WITH AN ANGULAR AND SLIDING STABLE ANTEGRADE LOCKING NAIL (TARGON PH). Journal of Bone and Joint Surgery - Series A, 2003, 85, 136-146.	3.0	133
3	Comparison Between Sheep and Human Cervical Spines. Spine, 2001, 26, 1028-1037.	2.0	132
4	Metatarsal fractures. Injury, 2004, 35, 77-86.	1.7	127
5	Biomechanical Comparison of Cervical Spine Interbody Fusion Cages. Spine, 2001, 26, 1850-1857.	2.0	113
6	Partial weight bearing after surgery for fractures of the lower extremity – is it achievable?. Gait and Posture, 2006, 23, 99-105.	1.4	107
7	The Logic and Clinical Applications of Blocking Screws. Journal of Bone and Joint Surgery - Series A, 2004, 86, 17-25.	3.0	106
8	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
9	Is Locking Nailing of Humeral Head Fractures Superior to Locking Plate Fixation?. Clinical Orthopaedics and Related Research, 2009, 467, 2986-2993.	1.5	103
10	Vertebral body stenting: a new method for vertebral augmentation versus kyphoplasty. European Spine Journal, 2010, 19, 916-923.	2.2	102
11	In vivo analysis of microcirculation following closed soft-tissue injury. Journal of Orthopaedic Research, 1999, 17, 678-685.	2.3	99
12	Lateral ankle ligaments and tibiofibular syndesmosis: 13-MHz high-frequency sonography and MRI compared in 20 patients. Acta Orthopaedica, 1998, 69, 51-55.	1.4	96
13	Intra-Articular Pressure Measurement in the Radioulnocarpal Joint Using a Novel Sensor: In Vitro and In Vivo Results. Journal of Hand Surgery, 2007, 32, 67-75.	1.6	87
14	Arthroscopic labrum refixation for post-traumatic anterior shoulder instability: Suture anchor versus transglenoid fixation technique. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2000, 16, 359-366.	2.7	85
15	Elevated IL-6 levels in the synovial fluid of osteoarthritis patients stem from plasma cells. Scandinavian Journal of Rheumatology, 2007, 36, 136-139.	1.1	84
16	Detection of Fibular Torsional Deformities after Surgery for Ankle Fractures with a Novel CT Method. Foot and Ankle International, 2006, 27, 1115-1121.	2.3	79
17	Should One Consider Primary Surgical Reconstruction in Charcot Arthropathy of the Feet?. Clinical Orthopaedics and Related Research, 2010, 468, 1002-1011.	1.5	77
18	Hook plate fixation for acromioclavicular joint separations restores coracoclavicular distance more accurately than PDS augmentation, however presents with a high rate of acromial osteolysis. Archives of Orthopaedic and Trauma Surgery, 2012, 132, 33-39.	2.4	74

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19	Transoral Decompression, Anterior Plate Fixation, and Posterior Wire Fusion for Irreducible Atlantoaxial Kyphosis in Rheumatoid Arthritis. <i>Spine</i> , 2000, 25, 2708-2715.	2.0	72
20	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
21	Biomechanical Assessment of Transoral Plate Fixation for Atlantoaxial Instability. <i>Spine</i> , 2000, 25, 1555-1561.	2.0	68
22	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
23	Benefit and accuracy of intraoperative 3D-imaging after pedicle screw placement: a prospective study in stabilizing thoracolumbar fractures. <i>European Spine Journal</i> , 2009, 18, 1469-1477.	2.2	65
24	Sesamoid and toe fractures. <i>Injury</i> , 2004, 35, 87-97.	1.7	63
25	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
26	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
27	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
28	Characterization of UHMWPE hip cups run on joint simulators. <i>Journal of Biomedical Materials Research Part B</i> , 1987, 21, 275-291.	3.1	55
29	Granulocyte-colony stimulating factor enhances muscle proliferation and strength following skeletal muscle injury in rats. <i>Journal of Applied Physiology</i> , 2007, 103, 1857-1863.	2.5	54
30	Erythropoietin improves functional and histological recovery of traumatized skeletal muscle tissue. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1618-1626.	2.3	53
31	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
32	Stage-related surgery for cervical spine instability in rheumatoid arthritis. <i>European Spine Journal</i> , 1999, 8, 371-381.	2.2	51
33	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
34	First Ray Instability in Hallux Valgus Deformity. <i>Foot and Ankle International</i> , 2013, 34, 124-130.	2.3	49
35	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
36	Angular stable multiple screw fixation (Targon FN) versus standard SHS for the fixation of femoral neck fractures. <i>Injury</i> , 2014, 45, S76-S80.	1.7	47

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37	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
38	Compartment Syndrome of the Foot After Intraarticular Calcaneal Fracture. <i>Clinical Orthopaedics and Related Research</i> , 1991, &NA;, 241???248.	1.5	46
39	Analysis of Morphology and Gait Function After Intraarticular Calcaneal Fracture. <i>Journal of Orthopaedic Trauma</i> , 1993, 7, 303-310.	1.4	45
40	Dietary Nitrate Supplementation Improves Exercise Tolerance by Reducing Muscle Fatigue and Perceptual Responses. <i>Frontiers in Physiology</i> , 2019, 10, 404.	2.8	43
41	IGF-I and TGF- β 1 Application by a Poly-(D,L-Lactide)-Coated Cage Promotes Intervertebral Bone Matrix Formation in the Sheep Cervical Spine. <i>Spine</i> , 2002, 27, 1710-1722.	2.0	43
42	Reduction and internal fixation of displaced intra-articular calcaneal fractures with a locking nail: a prospective study of sixty nine cases. <i>International Orthopaedics</i> , 2015, 39, 2061-2067.	1.9	38
43	Subtalar joint instability. <i>European Journal of Trauma and Emergency Surgery</i> , 2015, 41, 623-629.	1.7	38
44	Update on Subtalar Joint Instability. <i>Foot and Ankle Clinics</i> , 2018, 23, 397-413.	1.3	38
45	Screw placement in transoral atlantoaxial plating systems: an anatomical study. <i>Journal of Neurosurgery: Spine</i> , 2001, 95, 80-87.	1.7	37
46	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
47	The relationship of foot and ankle movements to venous return in the lower limb. <i>Journal of Bone and Joint Surgery: British Volume</i> , 1999, 81-B, 700-704.	3.4	36
48	Small volume hypertonic hydroxyethyl starch reduces acute microvascular dysfunction after closed soft-tissue trauma. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2003, 85-B, 126-132.	3.4	36
49	Local Cooling Restores Microcirculatory Hemodynamics after Closed Soft-Tissue Trauma in Rats. <i>Journal of Trauma</i> , 2006, 61, 642-649.	2.3	36
50	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
51	Primary stability of an intramedullary calcaneal nail and an angular stable calcaneal plate in a biomechanical testing model of intraarticular calcaneal fracture. <i>Injury</i> , 2014, 45, S49-S53.	1.7	35
52	Noninvasive analysis of conjunctival microcirculation during carotid artery surgery reveals microvascular evidence of collateral compensation and stenosis-dependent adaptation. <i>Journal of Vascular Surgery</i> , 2003, 37, 789-797.	1.1	34
53	Influence of cage design on interbody fusion in a sheep cervical spine model. <i>Journal of Neurosurgery: Spine</i> , 2002, 96, 321-332.	1.7	33
54	Ischemic Preconditioning Prevents Skeletal Muscle Tissue Injury, But Not Nerve Lesion Upon Tourniquet-Induced Ischemia. <i>Journal of Trauma</i> , 2007, 63, 788-797.	2.3	33

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55	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
56	Metatarsophalangeal Joint Fusion. <i>Foot and Ankle Clinics</i> , 2015, 20, 465-477.	1.3	33
57	Temporal profile of microvascular disturbances in rat tibial periosteum following closed soft tissue trauma. <i>Langenbeck's Archives of Surgery</i> , 2003, 388, 323-330.	1.9	32
58	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
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. <i>Foot and Ankle Surgery</i> , 2015, 21, 269-276.	1.7	32
60	Effects of mechanical loading on the profile of human femoral diaphyseal geometry. <i>Medical Engineering and Physics</i> , 1994, 16, 75-81.	1.7	31
61	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. <i>Journal of Orthopaedic Research</i> , 2008, 26, 184-189.	2.3	31
62	Minimum cement volume required in vertebral body augmentation – A biomechanical study comparing the permanent SpineJack device and balloon kyphoplasty in traumatic fracture. <i>Clinical Biomechanics</i> , 2015, 30, 720-725.	1.2	31
63	Interlocking Nailing Versus Interlocking Plating in Intra-articular Calcaneal Fractures. <i>Foot and Ankle International</i> , 2016, 37, 891-897.	2.3	31
64	Immediate Microcirculatory Derangements in Skeletal Muscle and Periosteum after Closed Tibial Fracture. <i>Journal of Trauma</i> , 2003, 54, 979-985.	2.3	30
65	Distal Radius Fractures. <i>Journal of Pediatric Orthopaedics</i> , 2012, 32, S128-S130.	1.2	30
66	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
67	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
68	Interobserver reliability of the Schatzker and Luo classification systems for tibial plateau fractures. <i>Injury</i> , 2016, 47, 944-949.	1.7	28
69	Dietary Restriction-Induced Alterations in Bone Phenotype: Effects of Lifelong Versus Short-Term Caloric Restriction on Femoral and Vertebral Bone in C57BL/6 Mice. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 852-863.	2.8	27
70	Proximal humeral fractures: non-operative treatment versus intramedullary nailing in 2-, 3- and 4-part fractures. <i>Injury</i> , 2016, 47, S14-S19.	1.7	26
71	Functional monitoring during rehabilitation following anterior cruciate ligament reconstruction. <i>Clinical Biomechanics</i> , 1999, 14, 576-584.	1.2	25
72	Bone morphogenetic protein – 2 application by a poly(d,l-lactide) – coated interbody cage: in vivo results of a new carrier for growth factors. <i>Journal of Neurosurgery: Spine</i> , 2002, 97, 40-48.	1.7	25

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73	In vivo evidence for apoptosis, but not inflammation in the hindlimb muscle of neuropathic rats. Pain, 2004, 112, 121-130.	4.2	25
74	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
75	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
76	Grip force monitoring on the hand: Manugraphy system versus Jamar dynamometer. Archives of Orthopaedic and Trauma Surgery, 2014, 134, 1179-1188.	2.4	25
77	Investigation of first ray mobility during gait by kinematic fluoroscopic imaging-a novel method. BMC Musculoskeletal Disorders, 2012, 13, 14.	1.9	24
78	Fixation of Proximal Humeral Fractures with an Intramedullary Nail: Tipps and Tricks. European Journal of Trauma and Emergency Surgery, 2007, 33, 367-374.	1.7	23
79	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. Tissue Engineering - Part A, 2011, 17, 2867-2877.	3.1	23
80	The cruciate ligaments in knee replacement. International Orthopaedics, 1989, 13, 13-6.	1.9	22
81	Spinal stabilization for patients with metastatic lesions of the spine using a titanium spacer. European Spine Journal, 1992, 1, 131-136.	2.2	22
82	Changes in length of the plantar aponeurosis during the stance phase of gait â€œ An in vivo dynamic fluoroscopic study. Annals of Anatomy, 2014, 196, 471-478.	1.9	21
83	Interobserver Variability in the Treatment of Little Finger Metacarpal Neck Fractures. Journal of Hand Surgery, 2014, 39, 1722-1727.	1.6	21
84	Load distribution of the hand during cylinder grip analyzed by Manugraphy. Journal of Hand Therapy, 2017, 30, 529-537.	1.5	21
85	Selective Cyclooxygenase-2 Inhibition Reverses Microcirculatory and Inflammatory Sequelae of Closed Soft-Tissue Trauma in an Animal Model. Journal of Bone and Joint Surgery - Series A, 2005, 87, 153-160.	3.0	20
86	Biomechanical In Vitro Testing of Human Osteoporotic Lumbar Vertebrae Following Prophylactic Kyphoplasty With Different Candidate Materials. Spine, 2007, 32, 1400-1405.	2.0	20
87	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
88	A new ultrasound-based method for the assessment of torsional differences following closed intramedullary nailing of femoral fractures. Skeletal Radiology, 1999, 28, 336-341.	2.0	19
89	Acute effects of N-acetylcysteine on skeletal muscle microcirculation following closed soft tissue trauma in rats. Journal of Orthopaedic Research, 2005, 23, 231-241.	2.3	19
90	Inhibition of caspase mediated apoptosis restores muscle function after crush injury in rat skeletal muscle. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 269-277.	4.9	19

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91	A Case of Implant Failure in Partial Wrist Fusion Applying Magnesium-Based Headless Bone Screws. <i>Case Reports in Orthopedics</i> , 2016, 2016, 1-5.	0.3	19
92	The effect of a collagen-elastin matrix on adhesion formation after flexor tendon repair in a rabbit model. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2016, 136, 1021-1029.	2.4	19
93	Preoperative skin antisepsis using chlorhexidine may reduce surgical wound infections in lower limb trauma surgery when compared to povidone-iodine - a prospective randomized trial. <i>American Journal of Infection Control</i> , 2020, 48, 167-172.	2.3	19
94	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
95	Prediction of complications in a high-risk cohort of patients undergoing corrective arthrodesis of late stage Charcot deformity based on the PEDIS score. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 349.	1.9	18
96	Fixation of intra-articular fractures of the distal radius using intramedullary nailing: a randomized trial versus palmar locking plates. <i>Injury</i> , 2016, 47, S25-S30.	1.7	18
97	Physiological and metabolic effects of healthy female aging on exhaled breath biomarkers. <i>IScience</i> , 2022, 25, 103739.	4.1	18
98	CT scans versus conventional tomography in acute fractures of the odontoid process. <i>European Spine Journal</i> , 2001, 10, 250-256.	2.2	17
99	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
100	Activated protein C reduces tissue hypoxia, inflammation, and apoptosis in traumatized skeletal muscle during endotoxemia. <i>Critical Care Medicine</i> , 2007, 35, 1966-1971.	0.9	16
101	Sublethal Trauma Model With Systemic Endotoxemia for the Study of Microcirculatory Disorders After the Second Hit. <i>Journal of Surgical Research</i> , 2008, 147, 68-74.	1.6	16
102	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
103	Vascularized Hypothenar Fat Pad Flap in Revision Surgery for Carpal Tunnel Syndrome. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2015, 76, 438-442.	0.8	16
104	Parameters influencing hand grip strength measured with the manugraphy system. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 54.	1.9	16
105	Cementless Fixation of Osteoporotic VCFs Using Titanium Mesh Implants (OsseoFix): Preliminary Results. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	15
106	Reducing the underreporting of percutaneous exposure incidents: A single-center experience. <i>American Journal of Infection Control</i> , 2016, 44, 941-943.	2.3	15
107	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. <i>Injury</i> , 2015, 46, S17-S23.	1.7	14
108	Posterior stabilization of C2 metastases by combination of atlantoaxial screw fixation and hook plate. <i>European Spine Journal</i> , 1994, 3, 52-55.	2.2	13

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109	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
110	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
111	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
112	Therapy of aseptic nonunions with parathyroid hormone. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2019, 29, 169-173.	1.4	13
113	Cartilage cell proliferation in degenerative TFCC wrist lesions. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 953-956.	2.4	12
114	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
115	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
116	Results of geriatric distal radius fractures treated by intramedullary fixation. <i>Injury</i> , 2016, 47, S31-S35.	1.7	12
117	Biomechanical comparison of four anterior atlantoaxial plate systems. <i>Journal of Neurosurgery: Spine</i> , 2002, 96, 313-320.	1.7	11
118	Atlantoaxial instability in Dyggve-Melchior-Clausen syndrome. <i>Journal of Neurosurgery: Spine</i> , 2002, 96, 112-117.	1.7	11
119	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
120	Bony Healing of Unstable Thoracolumbar Burst Fractures in the Elderly Using Percutaneously Applied Titanium Mesh Cages and a Transpedicular Fixation System with Expandable Screws. <i>PLoS ONE</i> , 2015, 10, e0117122.	2.5	11
121	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
122	Calcaneal fracture fixation using a new interlocking nail reduces complications compared to standard locking plates – Preliminary results after 1.6 years. <i>Injury</i> , 2019, 50, 63-68.	1.7	11
123	Mild Cervical Spine Trauma Showing Symptomatic Calcified Cervical Disc Herniation in a Child. <i>Spine</i> , 2003, 28, E93-E94.	2.0	10
124	Minimally invasive internal fixation of calcaneal fractures or subtalar joint arthrodesis using the Calcanail®. <i>Operative Orthopädie Und Traumatologie</i> , 2019, 31, 149-164.	2.2	10
125	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
126	The Effect of Midcarpal Versus Total Wrist Fusion on the Hand's Load Distribution During Gripping. <i>Journal of Hand Surgery</i> , 2015, 40, 2183-2190.	1.6	9

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127	Ischemic Preconditioning Did Not Affect Central and Peripheral Factors of Performance Fatigability After Submaximal Isometric Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 371.	2.8	9
128	Intraoperative three-dimensional fluoroscopy assessment of iliosacral screws and lumbopelvic implants stabilizing fractures of the os sacrum. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2010, 130, 1363-1369.	2.4	8
129	Anatomie, Biomechanik und Pathomechanik des Pilon tibiale. <i>Fuss Und Sprunggelenk</i> , 2012, 10, 3-11.	0.0	8
130	Cementless Titanium Mesh Fixation of Osteoporotic Burst Fractures of the Lumbar Spine Leads to Bony Healing: Results of an Experimental Sheep Model. <i>BioMed Research International</i> , 2016, 2016, 1-9.	1.9	8
131	The Bindex [®] ultrasound device: reliability of cortical bone thickness measures and their relationship to regional bone mineral density. <i>Physiological Measurement</i> , 2016, 37, 1528-1540.	2.1	8
132	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
133	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
134	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
135	Methods and applications of three-dimensional imaging in orthopedics. <i>Archives of Orthopaedic and Trauma Surgery</i> , 1990, 109, 186-190.	2.4	7
136	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
137	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
138	Four-Strand Core Suture Improves Flexor Tendon Repair Compared to Two-Strand Technique in a Rabbit Model. <i>BioMed Research International</i> , 2016, 2016, 1-6.	1.9	7
139	OS5-37 Interlocking nailing in intraarticular calcaneal fractures: a biomechanical cadaver study of two different interlocking nails vs. an interlocking plate. <i>Injury</i> , 2016, 47, S14.	1.7	7
140	Tibial plateau fracture: does fracture classification influence the choice of surgical approach? A retrospective multicenter analysis. <i>European Journal of Trauma and Emergency Surgery</i> , 2020, , 1.	1.7	7
141	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
142	Risk reduction of needle stick injuries due to continuous shift from unsafe to safe instruments at a German University Hospital. <i>European Journal of Microbiology and Immunology</i> , 2016, 6, 227-237.	2.8	6
143	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
144	Interval Training Is Not Superior to Endurance Training With Respect to Bone Accrual of Ovariectomized Mice. <i>Frontiers in Physiology</i> , 2020, 11, 1096.	2.8	6

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145	Anterior Transpedicular Instrumentation of the Lumbar Spine. <i>Journal of Spinal Disorders</i> , 1992, 5, 330-334.	1.1	5
146	Reconstruction After Malunited Lisfranc Injuries. <i>European Journal of Trauma and Emergency Surgery</i> , 2010, 36, 217-226.	1.7	5
147	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
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