

Thomas Tischer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96 papers	2,574 citations	28 h-index	48 g-index
124 ext. papers	2,984 ext. citations	3.7 avg, IF	4.84 L-index

#	Paper	IF	Citations
96	Characterization of osteosarcoma cell lines MG-63, Saos-2 and U-2 OS in comparison to human osteoblasts. <i>Anticancer Research</i> , 2004 , 24, 3743-8	2.3	255
95	Incidence of associated injuries with acute acromioclavicular joint dislocations types III through V. <i>American Journal of Sports Medicine</i> , 2009 , 37, 136-9	6.8	133
94	Arthroscopic resection of the acromioclavicular joint. <i>American Journal of Sports Medicine</i> , 1993 , 21, 71-76.	6.8	107
93	Fluorescence-guided bone resection in bisphosphonate-related osteonecrosis of the jaws: first clinical results of a prospective pilot study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2011 , 69, 84-91	1.8	106
92	Bisphosphonate-related osteonecrosis of the jaw: is pH the missing part in the pathogenesis puzzle?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010 , 68, 1158-61	1.8	102
91	Polychrome labeling of bone with seven different fluorochromes: enhancing fluorochrome discrimination by spectral image analysis. <i>Bone</i> , 2005 , 37, 441-5	4.7	97
90	Arthroscopic repair of anterior-inferior glenohumeral instability using a portal at the 5:30-o'clock position: analysis of the effects of age, fixation method, and concomitant shoulder injury on surgical outcomes. <i>American Journal of Sports Medicine</i> , 2010 , 38, 1795-803	6.8	93
89	Arthroscopic reconstruction of the acromioclavicular joint disruption: surgical technique and preliminary results. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2006 , 126, 575-81	3.6	89
88	Fluorescence-guided bone resection in bisphosphonate-associated osteonecrosis of the jaws. <i>Journal of Oral and Maxillofacial Surgery</i> , 2009 , 67, 471-6	1.8	76
87	Tissue engineering of the anterior cruciate ligament: a new method using acellularized tendon allografts and autologous fibroblasts. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2007 , 127, 735-41	3.6	71
86	Bisphosphonate related osteonecrosis of the jaw: A minipig large animal model. <i>Bone</i> , 2012 , 51, 592-9	4.7	66
85	Characterization of eight different tetracyclines: advances in fluorescence bone labeling. <i>Journal of Anatomy</i> , 2010 , 217, 76-82	2.9	58
84	Detailed pathological changes of human lumbar facet joints L1-L5 in elderly individuals. <i>European Spine Journal</i> , 2006 , 15, 308-15	2.7	58
83	Tetracycline bone fluorescence: a valuable marker for osteonecrosis characterization and therapy. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010 , 68, 125-9	1.8	56
82	Do we need synthetic osteotomy augmentation materials for opening-wedge high tibial osteotomy. <i>Biomaterials</i> , 2008 , 29, 3497-502	15.6	51
81	The role of bone void fillers in medial opening wedge high tibial osteotomy: a systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016 , 24, 3584-3598	5.5	49
80	Influence of sex on the outcome of autologous chondrocyte implantation in chondral defects of the knee. <i>American Journal of Sports Medicine</i> , 2013 , 41, 1541-8	6.8	48

79	Generation and characterization of a human acellular meniscus scaffold for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 567-74	5.4	46
78	Arthroscopic anatomy, variants, and pathologic findings in shoulder instability. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011 , 27, 1434-43	5.4	45
77	A fibrin glue composition as carrier for nucleic acid vectors. <i>Pharmaceutical Research</i> , 2008 , 25, 2946-62	4.5	43
76	Biomechanical comparison of menisci from different species and artificial constructs. <i>BMC Musculoskeletal Disorders</i> , 2013 , 14, 324	2.8	40
75	The Impact of Osseous Malalignment and Realignment Procedures in Knee Ligament Surgery: A Systematic Review of the Clinical Evidence. <i>Orthopaedic Journal of Sports Medicine</i> , 2017 , 5, 2325967117697287	3.5	39
74	The influence of the stable expression of BMP2 in fibrin clots on the remodelling and repair of osteochondral defects. <i>Biomaterials</i> , 2009 , 30, 2385-92	15.6	38
73	Platelet-Rich Plasma Powder: A New Preparation Method for the Standardization of Growth Factor Concentrations. <i>American Journal of Sports Medicine</i> , 2017 , 45, 954-960	6.8	34
72	Stem cells and bFGF in tendon healing: Effects of lentiviral gene transfer and long-term follow-up in a rat Achilles tendon defect model. <i>BMC Musculoskeletal Disorders</i> , 2016 , 17, 148	2.8	33
71	Arthroscopic Suture Anchor Fixation of Bony Bankart Lesions: Clinical Outcome, Magnetic Resonance Imaging Results, and Return to Sports. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2015 , 31, 1472-81	5.4	32
70	Tissue engineering of the anterior cruciate ligament-sodium dodecyl sulfate-acellularized and revitalized tendons are inferior to native tendons. <i>Tissue Engineering - Part A</i> , 2010 , 16, 1031-40	3.9	29
69	Dose-dependent new bone formation by extracorporeal shock wave application on the intact femur of rabbits. <i>European Surgical Research</i> , 2008 , 41, 44-53	1.1	29
68	TGF- β and IGF-1 influence the re-differentiation capacity of human chondrocytes in 3D pellet cultures in relation to different oxygen concentrations. <i>International Journal of Molecular Medicine</i> , 2012 , 30, 666-72	4.4	27
67	Dose-related effects of extracorporeal shock waves on rabbit quadriceps tendon integrity. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2002 , 122, 436-41	3.6	27
66	Platelet concentrate vs. saline in a rat patellar tendon healing model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011 , 19, 495-502	5.5	25
65	Physicobiochemical synergism through gene therapy and functional tissue engineering for in vitro chondrogenesis. <i>Tissue Engineering - Part A</i> , 2009 , 15, 2513-24	3.9	25
64	New advances in fluorochrome sequential labelling of teeth using seven different fluorochromes and spectral image analysis. <i>Journal of Anatomy</i> , 2007 , 210, 117-21	2.9	25
63	In vivo tetracycline labeling of bone: an intraoperative aid in the surgical therapy of osteoradionecrosis of the mandible. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2006 , 102, e10-3		23
62	The dependence of autologous chondrocyte transplantation on varying cellular passage, yield and culture duration. <i>Biomaterials</i> , 2011 , 32, 5810-8	15.6	22

61	Impact of the patella height on the strain pattern of the medial patellofemoral ligament after reconstruction: a computer model-based study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017 , 25, 3123-3133	5.5	21
60	Is gender influencing the biomechanical results after autologous chondrocyte implantation?. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014 , 22, 72-9	5.5	20
59	Re-Differentiation Capacity of Human Chondrocytes in Vitro Following Electrical Stimulation with Capacitively Coupled Fields. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	18
58	A novel nonviral gene delivery tool of BMP-2 for the reconstitution of critical-size bone defects in rats. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 2441-55	5.4	18
57	Positive impact of IGF-1-coupled nanoparticles on the differentiation potential of human chondrocytes cultured on collagen scaffolds. <i>International Journal of Nanomedicine</i> , 2015 , 10, 1131-43	7.3	17
56	The reverse shoulder prosthesis for primary and secondary treatment of proximal humeral fractures: a case report. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2008 , 128, 973-8	3.6	16
55	Machine learning methods in sport injury prediction and prevention: a systematic review. <i>Journal of Experimental Orthopaedics</i> , 2021 , 8, 27	2.3	16
54	A biomechanical, micro-computertomographic and histological analysis of the influence of diclofenac and prednisolone on fracture healing in vivo. <i>BMC Musculoskeletal Disorders</i> , 2016 , 17, 383	2.8	16
53	Dose-Dependent Effects of Platelet-Rich Plasma Powder on Chondrocytes In Vitro. <i>American Journal of Sports Medicine</i> , 2020 , 48, 1727-1734	6.8	14
52	Efficient and stable gene transfer of growth factors into chondrogenic cells and primary articular chondrocytes using a VSV.G pseudotyped retroviral vector. <i>Biomaterials</i> , 2008 , 29, 1242-9	15.6	14
51	Pet Ownership and Nonownership among Elderly in Arizona. <i>Anthrozoos</i> , 1988 , 2, 125-132	2.4	14
50	Large variability exists in the management of posterolateral corner injuries in the global surgical community. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 2116-2123	5.5	13
49	Mechanisms of Acute Knee Injuries in Bouldering and Rock Climbing Athletes. <i>American Journal of Sports Medicine</i> , 2020 , 48, 730-738	6.8	13
48	Evaluation of Rock Climbing Related Injuries in Older Athletes. <i>Wilderness and Environmental Medicine</i> , 2019 , 30, 362-368	1.4	11
47	Patient-specific factors influencing the traction forces in hip arthroscopy. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2017 , 137, 81-87	3.6	10
46	Whole bone testing in small animals: systematic characterization of the mechanical properties of different rodent bones available for rat fracture models. <i>European Journal of Medical Research</i> , 2018 , 23, 8	4.8	9
45	Olympic competition climbing: the beginning of a new era-a narrative review. <i>British Journal of Sports Medicine</i> , 2021 , 55, 857-864	10.3	9
44	Does Anticoagulant Medication Alter Fracture-Healing? A Morphological and Biomechanical Evaluation of the Possible Effects of Rivaroxaban and Enoxaparin Using a Rat Closed Fracture Model. <i>PLoS ONE</i> , 2016 , 11, e0159669	3.7	9

43	Platelet-rich plasma injections induce disease-modifying effects in the treatment of osteoarthritis in animal models. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 4100-4121	5.5	8
42	Improving results in rat fracture models: enhancing the efficacy of biomechanical testing by a modification of the experimental setup. <i>BMC Musculoskeletal Disorders</i> , 2018 , 19, 243	2.8	7
41	Local cooling reduces regional bone blood flow. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 1820-7	3.8	7
40	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	5.4	7
39	Impact of compression stockings on leg swelling after arthroscopy - a prospective randomised pilot study. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 161	2.8	6
38	Influence of Sutures on Cartilage Integrity: Do Meniscus Sutures Harm Cartilage? An Experimental Animal Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2019 , 35, 1509-1516	5.4	6
37	Doping in Sport Climbing: Status Quo in a New Olympic Discipline. <i>Current Sports Medicine Reports</i> , 2019 , 18, 351-352	1.9	6
36	Intrarater Reliability of Muscle Strength and Hamstring to Quadriceps Strength Imbalance Ratios During Concentric, Isometric, and Eccentric Maximal Voluntary Contractions Using the Isoforce Dynamometer. <i>Clinical Journal of Sport Medicine</i> , 2019 , 29, 69-77	3.2	6
35	In Vivo Evaluation of Different Collagen Scaffolds in an Achilles Tendon Defect Model. <i>BioMed Research International</i> , 2018 , 2018, 6432742	3	6
34	Cost Analysis in Shoulder Surgery: A Systematic Review. <i>Orthopaedic Journal of Sports Medicine</i> , 2020 , 8, 2325967120917121	3.5	5
33	Measuring lower limb circumference and volume - introduction of a novel optical 3D volumetric measurement system. <i>Biomedizinische Technik</i> , 2020 , 65, 237-241	1.3	5
32	Biomechanical, Biochemical, and Cell Biological Evaluation of Different Collagen Scaffolds for Tendon Augmentation. <i>BioMed Research International</i> , 2018 , 2018, 7246716	3	5
31	Repair of cartilage defects with devitalized osteochondral tissue: A pilot animal study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 2354-2364	3.5	3
30	Fully automated segmentation of callus by micro-CT compared to biomechanics. <i>Journal of Orthopaedic Surgery and Research</i> , 2017 , 12, 108	2.8	3
29	Evidence of an autoregulatory mechanism of regional bone blood flow at hypotension. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2013 , 133, 1233-41	3.6	3
28	Minimally invasive coracoclavicular stabilization with suture anchors for acute acromioclavicular dislocation. <i>American Journal of Sports Medicine</i> , 2009 , 37, e5	6.8	3
27	Platelet-rich plasma (PRP) as therapy for cartilage, tendon and muscle damage - German working group position statement. <i>Journal of Experimental Orthopaedics</i> , 2020 , 7, 64	2.3	3
26	Quantifiable Contrast-Enhanced Ultrasound Explores the Role of Protection, Rest, Ice (Cryotherapy), Compression and Elevation (PRICE) Therapy on Microvascular Blood Flow. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 1269-1278	3.5	3

25	All-Arthroscopic Hydrogel-Based Autologous Chondrocyte Transplantation in the Knee Joint: Good Clinical and Magnetic Resonance Imaging Outcome After 24 Months. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2021 , 37, 1892-1899.e1	5.4	3
24	Sport und Endoprothese. <i>Sports Orthopaedics and Traumatology</i> , 2019 , 35, 123-129	0.4	2
23	Die Schulter im Karate-Hochleistungssport. <i>Obere Extremität</i> , 2016 , 11, 47-52	0.6	2
22	The lack of retropatellar resurfacing at index surgery is significantly associated with failure in patients following patellofemoral inlay arthroplasty: a multi-center study of more than 260 patients. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 1	5.5	2
21	Predictors for an unsuccessful conservative treatment of patients with medial patellar plica syndrome. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021 , 141, 93-98	3.6	2
20	Sportmedizinische Aspekte des olympischen Wettkampfkarate. <i>Sports Orthopaedics and Traumatology</i> , 2020 , 36, 26-33	0.4	1
19	Rehabilitation nach Schultereingriffen. <i>Obere Extremität</i> , 2016 , 11, 1-2	0.6	1
18	Management der fehlgeschlagenen vorderen Schulterstabilisierung. <i>Obere Extremität</i> , 2014 , 9, 90-95	0.6	1
17	Does cefuroxime alter fracture healing in vivo? A micro-computertomographic, biomechanical, and histomorphometric evaluation using a rat fracture model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 2282-2291	3.5	1
16	Meniskus Tissue Engineering. <i>Arthroskopie</i> , 2011 , 24, 57-61	0.1	1
15	Epicondylopathia humeri radialis. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2021 ,	1.1	1
14	Results of a tri-national online survey on the current status of sports injury prevention among members of the German-Speaking Orthopaedic Sports Medicine Society (GOTS). <i>Sportverletzung-Sportschaden</i> , 2021 , 35, 80-87	1.7	1
13	Subscapularis Tendon Tears - Usefulness of Written MRI Reports for Guiding Patient Referral to Shoulder Specialists. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021 , 193, 797-803	2.3	1
12	Does prevention pay off? Economic aspects of sports injury prevention: a systematic review. <i>British Journal of Sports Medicine</i> , 2021 ,	10.3	1
11	Comparison of different suture techniques for Achilles tendon repair in rat model using collagen scaffolds. <i>Acta of Bioengineering and Biomechanics</i> , 2018 , 20, 73-77	0.6	1
10	Empfehlungen der AG Klinische Geweberegeneration zur Behandlung von Knorpelschäden am Kniegelenk.. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2022 ,	1.1	1
9	Double-Level Osteotomy in Severe Varus Malalignment to Optimize Knee Joint Restoration. <i>Video Journal of Sports Medicine</i> , 2021 , 1, 263502542110466		1
8	Hyperflexion Knee Injury with Anterior Cruciate Ligament Rupture and Avulsion Fractures of Both Posterior Meniscal Attachments: A Case Report. <i>JBJS Case Connector</i> , 2020 , 10, e1900541	0.4	0

7	Does the anterolateral ligament protect the anterior cruciate ligament in the most common injury mechanisms? A human knee model study. <i>Knee</i> , 2021 , 29, 381-389	2.6	o
6	Das instabile Schultergelenk. <i>Sports Orthopaedics and Traumatology</i> , 2017 , 33, 15-21	0.4	
5	Dose-Dependent Effects of Platelet-Rich Plasma Powder on Chondrocytes In Vitro: Response. <i>American Journal of Sports Medicine</i> , 2020 , 48, NP60-NP61	6.8	
4	Primärprävention von Sportverletzungen und -schäden. <i>Sports Orthopaedics and Traumatology</i> , 2021 , 37, 4-9	0.4	
3	Matrix-Assisted Bone Marrow Stimulation: A Surgical Technique. <i>Video Journal of Sports Medicine</i> , 2021 , 1, 263502542110038		
2	Subacromial impingement syndrome: association of multiple magnetic resonance imaging parameters with shoulder function and pain. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021 , 1	3.6	
1	Transosseous Multiple Finger Flexor Tendon Pulley Reconstruction. <i>Video Journal of Sports Medicine</i> , 2022 , 2, 263502542210796		