

# Matthias Aurich

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,453  
citations

331538

21  
h-index

330025

37  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Descriptive analysis and short-term follow-up clinical results of osteochondral lesions of the distal tibia based on data of the German Cartilage Register (Knorpelregister® DGOU). Archives of Orthopaedic and Trauma Surgery, 2023, 143, 809-815.	1.3	3
2	Empfehlungen der AG Klinische Geweberegeneration zur Behandlung von Knorpelschäden am Kniegelenk. Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2023, 161, 57-64.	0.4	16
3	Preexisting and treated concomitant ankle instability does not compromise patient-reported outcomes of solitary osteochondral lesions of the talus treated with matrix-induced bone marrow stimulation in the first postoperative year: data from the German Cartilage Registry (KnorpelRegister DGOU). Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 1187-1196.	2.3	4
4	The Correction Potential of the Lateral Release of the Hallux Valgus: A Comparative Anatomical Study of Minimally Invasive Versus Open Surgical Technique Using a Dorsal Approach. Indian Journal of Orthopaedics, 2022, 56, 887-894.	0.5	0
5	Osteoarthritis-Induced Metabolic Alterations of Human Hip Chondrocytes. Biomedicines, 2022, 10, 1349.	1.4	7
6	Influence of the Medial Malleolus Osteotomy on the Clinical Outcome of M-BMS + I/III Collagen Scaffold in Medial Talar Osteochondral Lesion (German Cartilage Register/Knorpelregister DGOU). Cartilage, 2021, 13, 1373S-1379S.	1.4	5
7	Fixation of Displaced Avulsion Fracture of the Anterior Superior Iliac Spine (ASIS) after Bone Graft Harvesting Using Anatomic Low-Profile Locking Plate: Case Report and Surgical Technique. Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2021, 159, 681-686.	0.4	4
8	Iatrogenic Damage to Neurovascular and Soft Tissue Structures During Lateral Release of Hallux Valgus: A Comparative Anatomical Study of Minimally Invasive Versus Open Surgical Techniques. Journal of Foot and Ankle Surgery, 2021, , .	0.5	1
9	Anatomical Study of Sinus Tarsi-Based Lateral Lengthening Calcaneal Osteotomy. Foot and Ankle International, 2021, , 107110072110413.	1.1	0
10	Clinical outcome and return to sports activity after surgical treatment for recurrent shoulder instability with a modified Latarjet procedure. Orthopaedics and Traumatology: Surgery and Research, 2021, 107, 102977.	0.9	2
11	Concomitant ankle instability has a negative impact on the quality of life in patients with osteochondral lesions of the talus: data from the German Cartilage Registry (KnorpelRegister DGOU). Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 3339-3346.	2.3	19
12	Reconstruction of the Coracoacromial Ligament during a Modified Latarjet Procedure for the Treatment of Shoulder Instability: Clinical Outcome at Minimum 5 Years Follow-Up. Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2020, 160, .	0.4	0
13	Pain in Osteochondral Lesions of the Ankle – An Investigation Based on Data from the German Cartilage Registry (KnorpelRegister DGOU). Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2018, 156, 160-167.	0.4	8
14	Comminuted intraarticular fractures of the tibial plateau lead to posttraumatic osteoarthritis of the knee: Current treatment review. Asian Journal of Surgery, 2018, 41, 99-105.	0.2	27
15	Induced Redifferentiation of Human Chondrocytes from Articular Cartilage Lesion in Alginate Bead Culture After Monolayer Dedifferentiation: An Alternative Cell Source for Cell-Based Therapies?. Tissue Engineering - Part A, 2018, 24, 275-286.	1.6	26
16	Human osteoarthritic chondrons outnumber patient- and joint-matched chondrocytes in hydrogel culture – Future application in autologous cell-based OA cartilage repair?. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1206-e1220.	1.3	16
17	Human osteochondritis dissecans fragment-derived chondrocyte characteristics ex vivo, after monolayer expansion-induced de-differentiation, and after re-differentiation in alginate bead culture. BMC Musculoskeletal Disorders, 2018, 19, 168.	0.8	14
18	Parameters influencing complaints and joint function in patients with osteochondral lesions of the ankle – an investigation based on data from the German Cartilage Registry (KnorpelRegister DGOU). Archives of Orthopaedic and Trauma Surgery, 2017, 137, 367-373.	1.3	13

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19	Differences in type II collagen turnover of osteoarthritic human knee and ankle joints. <i>International Orthopaedics</i> , 2017, 41, 999-1005.	0.9	8
20	Tissue engineering-relevant characteristics of ex vivo and monolayer-expanded chondrocytes from the notch versus trochlea of human knee joints. <i>International Orthopaedics</i> , 2017, 41, 2327-2335.	0.9	7
21	A Modified Lateral Approach for Total Knee Replacement in Type 2 Valgus Deformity. <i>Orthopedics</i> , 2017, 40, 313-316.	0.5	4
22	Paresis of the Peroneal Nerve: A Rare But Severe Long-term Complication of Polyethylene Wear in Knee Arthroplasty. <i>Orthopedics</i> , 2017, 40, e538-e540.	0.5	0
23	Das "Modul Sprunggelenk" des "KnorpelRegisterDGOU" zur Erfassung der Behandlungsergebnisse nach operativer und nicht-operativer Therapie von Knorpelschäden im Sprunggelenk. <i>Fuss Und Sprunggelenk</i> , 2016, 14, 155-158.	0.1	0
24	Autologous chondrocyte implantation (ACI) for cartilage defects of the knee: A guideline by the working group "Clinical Tissue Regeneration" of the German Society of Orthopaedics and Trauma (DGOU). <i>Knee</i> , 2016, 23, 426-435.	0.8	163
25	Reconstruction of the coracoacromial ligament during a modified Latarjet procedure: a case series. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 238.	0.8	11
26	Differences in injury pattern and prevalence of cartilage lesions in knee and ankle joints: a retrospective cohort study. <i>Orthopedic Reviews</i> , 2014, 6, 5611.	0.3	9
27	Percutaneous navigated screw fixation of glenoid fractures. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2013, 133, 627-633.	1.3	11
28	Stress-vs-time signals allow the prediction of structurally catastrophic events during fracturing of immature cartilage and predetermine the biomechanical, biochemical, and structural impairment. <i>Journal of Structural Biology</i> , 2013, 183, 501-511.	1.3	21
29	BMP-2 shows characteristic extracellular patterns in osteoarthritic cartilage: a preliminary report. <i>GMS Interdisciplinary Plastic and Reconstructive Surgery DGPW</i> , 2013, 2, Doc09.	0.1	4
30	Is there a correlation between biophotonical, biochemical, histological, and visual changes in the cartilage of osteoarthritic knee-joints?. <i>Muscles, Ligaments and Tendons Journal</i> , 2013, 3, 157-65.	0.1	13
31	Onset of preclinical osteoarthritis: The angular spatial organization permits early diagnosis. <i>Arthritis and Rheumatism</i> , 2011, 63, 1637-1647.	6.7	28
32	Arthroscopic Treatment of Osteochondral Lesions of the Ankle With Matrix-Associated Chondrocyte Implantation. <i>American Journal of Sports Medicine</i> , 2011, 39, 311-319.	1.9	116
33	Proliferative remodeling of the spatial organization of human superficial chondrocytes distant from focal early osteoarthritis. <i>Arthritis and Rheumatism</i> , 2010, 62, 489-498.	6.7	59
34	Expression of bioactive bone morphogenetic proteins in the subacromial bursa of patients with chronic degeneration of the rotator cuff. <i>Arthritis Research and Therapy</i> , 2006, 8, R92.	1.6	28
35	Histological and cell biological characterization of dissected cartilage fragments in human osteochondritis dissecans of the femoral condyle. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2006, 126, 606-614.	1.3	33
36	Solitary fibrous tumor in the thigh: review of the literature. <i>Journal of Cancer Research and Clinical Oncology</i> , 2006, 132, 69-75.	1.2	38

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37	Collagen and proteoglycan turnover in focally damaged human ankle cartilage: Evidence for a generalized response and active matrix remodeling across the entire joint surface. <i>Arthritis and Rheumatism</i> , 2006, 54, 244-252.	6.7	30
38	Qualitative evaluation of titanium implant integration into bone by diffraction enhanced imaging. <i>Physics in Medicine and Biology</i> , 2006, 51, 1313-1324.	1.6	38
39	Chance and limit of imaging of articular cartilage in vitro in healthy and arthritic joints: DEI (diffraction enhanced imaging) in comparison with MRI, CT, and ultrasound. , 2005, , .		2
40	Reliability of diffraction enhanced imaging for assessment of cartilage lesions, ex vivo. <i>Osteoarthritis and Cartilage</i> , 2005, 13, 187-197.	0.6	19
41	Differential matrix degradation and turnover in early cartilage lesions of human knee and ankle joints. <i>Arthritis and Rheumatism</i> , 2005, 52, 112-119.	6.7	92
42	Options and limitations of joint cartilage imaging: DEI in comparison to MRI and sonography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 548, 47-53.	0.7	23
43	X-Ray Diffraction of the Molecular Substructure of Human Articular Cartilage. <i>Connective Tissue Research</i> , 2003, 44, 201-207.	1.1	49
44	X-Ray Diffraction of the Molecular Substructure of Human Articular Cartilage. <i>Connective Tissue Research</i> , 2003, 44, 201-207.	1.1	8
45	Diffraction-enhanced X-ray imaging of articular cartilage. <i>Osteoarthritis and Cartilage</i> , 2002, 10, 163-171.	0.6	146
46	Matrix homeostasis in aging normal human ankle cartilage. <i>Arthritis and Rheumatism</i> , 2002, 46, 2903-2910.	6.7	51
47	Stimulation of renal amino acid reabsorption after treatment with triiodothyronine or dexamethasone in amino acid loaded rats. <i>Amino Acids</i> , 1997, 12, 265-279.	1.2	8