

# Hagen Schmal

## List of Publications by Year in Descending Order

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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.

149  
papers

4,374  
citations

35  
h-index

62  
g-index

179  
ext. papers

5,088  
ext. citations

3.9  
avg, IF

5.23  
L-index

#	Paper	IF	Citations
149	The use of negative pressure wound therapy for fracture-related infections following internal osteosynthesis of the extremity: A systematic review. <i>Journal of Clinical Orthopaedics and Trauma</i> , <b>2022</b> , 24, 101710	2.1	2
148	10-Year Survival Rates After High Tibial Osteotomy Using Angular Stable Internal Plate Fixation: Case Series With Subgroup Analysis of Outcomes After Combined Autologous Chondrocyte Implantation and High Tibial Osteotomy.. <i>Orthopaedic Journal of Sports Medicine</i> , <b>2022</b> , 10, 23259671221078003	3.5	1
147	Protein Expression of AEBP1, MCM4, and FABP4 Differentiate Osteogenic, Adipogenic, and Mesenchymal Stromal Stem Cells.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	2
146	Autologous Minced Cartilage Implantation for Arthroscopic One-Stage Treatment of Osteochondritis Dissecans of the Elbow.. <i>Arthroscopy Techniques</i> , <b>2022</b> , 11, e435-e440	1.7	0
145	The Effect of Collagen-I Coatings of 3D Printed PCL Scaffolds for Bone Replacement on Three Different Cell Types. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11063	2.6	1
144	Influence of surgical stabilization of clavicle fractures in multiply-injured patients with thoracic trauma. <i>Scientific Reports</i> , <b>2021</b> , 11, 23263	4.9	0
143	Inhibition of the anti-apoptotic protein MCL-1 severely suppresses human hematopoiesis. <i>Haematologica</i> , <b>2021</b> , 106, 3136-3148	6.6	5
142	Efficacy of a semirigid ankle brace in reducing mechanical ankle instability evaluated by 3D stress-MRI. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2021</b> , 16, 620	2.8	0
141	Mechanical Properties of the Composite Material consisting of $\beta$ -TCP and Alginate-Di-Aldehyde-Gelatin Hydrogel and Its Degradation Behavior. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
140	Elevation of Pro-Inflammatory Cytokine Levels Following Intra-Articular Fractures-A Systematic Review. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
139	Do acute inflammatory cytokines affect 3- and 12-month postoperative functional outcomes-a prospective cohort study of 12 patients with proximal tibia fractures. <i>BMC Musculoskeletal Disorders</i> , <b>2021</b> , 22, 342	2.8	
138	Crosstalk Between Mesenchymal Stromal Cells and Chondrocytes: The Hidden Therapeutic Potential for Cartilage Regeneration. <i>Stem Cell Reviews and Reports</i> , <b>2021</b> , 17, 1647-1665	7.3	4
137	Association of acute inflammatory cytokines, fracture malreduction, and functional outcome 12 months after intra-articular ankle fracture-a prospective cohort study of 46 patients with ankle fractures. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2021</b> , 16, 338	2.8	2
136	Identification of a clinical signature predictive of differentiation fate of human bone marrow stromal cells. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 265	8.3	3
135	Anteversión Angle Measurement in Suspected Torsional Malalignment of the Femur in 3-Dimensional EOS vs Computed Tomography-A Validation Study. <i>Journal of Arthroplasty</i> , <b>2021</b> , 36, 379-386	4.4	1
134	Interdisciplinary approach to multiple myeloma - time to diagnosis and warning signs. <i>Leukemia and Lymphoma</i> , <b>2021</b> , 62, 891-898	1.9	2
133	Histomorphological Alterations of Human Anterior Cruciate Ligament Grafts During Mid-Term and Long-Term Remodeling. <i>Orthopaedic Surgery</i> , <b>2021</b> , 13, 314-320	2.5	2

132	Elevation of Inflammatory Cytokines and Proteins after Intra-Articular Ankle Fracture: A Cross-Sectional Study of 47 Ankle Fracture Patients. <i>Mediators of Inflammation</i> , <b>2021</b> , 2021, 8897440	4.3	3
131	Effect of PTH treatment on bone healing in insufficiency fractures of the pelvis: a systematic review. <i>EFORT Open Reviews</i> , <b>2021</b> , 6, 9-14	5.5	2
130	Efficacy and safety of iloprost in trauma patients with haemorrhagic shock-induced endotheliopathy-Protocol for the multicentre randomized, placebo-controlled, blinded, investigator-initiated shine-trauma trial. <i>Acta Anaesthesiologica Scandinavica</i> , <b>2021</b> , 65, 551	1.9	3
129	Angiotensin II Type 1 Receptor Antagonist Losartan Inhibits TNF- $\alpha$ -Induced Inflammation and Degeneration Processes in Human Nucleus Pulposus Cells. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 417	2.6	0
128	Clinical evaluation of manual stress testing, stress ultrasound and 3D stress MRI in chronic mechanical ankle instability. <i>BMC Musculoskeletal Disorders</i> , <b>2021</b> , 22, 198	2.8	4
127	Clinicopathologic characteristics, metastasis-free survival, and skeletal-related events in 628 patients with skeletal metastases in a tertiary orthopedic and trauma center. <i>World Journal of Surgical Oncology</i> , <b>2021</b> , 19, 62	3.4	3
126	The Tissue Renin-Angiotensin System and Its Role in the Pathogenesis of Major Human Diseases: Quo Vadis?. <i>Cells</i> , <b>2021</b> , 10,	7.9	13
125	Kindliche Beckenfrakturen. <i>Orthopädie Und Unfallchirurgie Up2date</i> , <b>2021</b> , 16, 147-160	0.1	
124	The ability of comorbidity indices to predict mortality in an orthopedic setting: a systematic review. <i>Systematic Reviews</i> , <b>2021</b> , 10, 234	3	0
123	Conservative and Surgical Treatment of Talar Fractures: A Systematic Review and Meta-Analysis on Clinical Outcomes and Complications. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	3
122	Thromboembolic complications among multiple injured patients with pelvic injuries: identifying risk factors for possible patient-tailored prophylaxis. <i>World Journal of Emergency Surgery</i> , <b>2021</b> , 16, 42	9.2	0
121	Interobserver reliability is higher for assessments with 3D software-generated models than with conventional MRI images in the classification of trochlear dysplasia. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2021</b> , 1	5.5	1
120	Osteosynthesis or non-operative treatment of the fibula for distal lower-leg fractures with tibial nailing: a systematic review and meta-analysis. <i>EFORT Open Reviews</i> , <b>2021</b> , 6, 816-822	5.5	1
119	Laxity measurement of internal knee rotation after primary anterior cruciate ligament rupture versus rerupture. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2021</b> , 1	3.6	0
118	Analysis of Proteoglycan Content and Biomechanical Properties in Arthritic and Arthritis-Free Menisci. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 9012	2.6	2
117	Operative versus nonoperative treatment of humeral shaft fractures: a systematic review and meta-analysis. <i>Journal of Shoulder and Elbow Surgery</i> , <b>2020</b> , 29, 2495-2504	4.3	2
116	Nonunion - consensus from the 4th annual meeting of the Danish Orthopaedic Trauma Society. <i>EFORT Open Reviews</i> , <b>2020</b> , 5, 46-57	5.5	18
115	Objectively Measured Physical Activity and Its Association with Functional Independence, Quality of Life and In-Hospital Course of Recovery in Elderly Patients with Proximal Femur Fractures: A Prospective Cohort Study. <i>Rehabilitation Research and Practice</i> , <b>2020</b> , 2020, 5907652	1.2	1

114	Physical Performance and Quality of Life after Ankle Fusion. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , <b>2020</b> , 158, 611-617	1.1	1
113	Single-cell high-content imaging parameters predict functional phenotype of cultured human bone marrow stromal stem cells. <i>Stem Cells Translational Medicine</i> , <b>2020</b> , 9, 189-202	6.9	8
112	Functional deficits in chronic mechanical ankle instability. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2020</b> , 15, 304	2.8	4
111	Correlation of Biomechanical Alterations under Gonarthrosis between Overlying Menisci and Articular Cartilage. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8673	2.6	3
110	A Systematic Review and Meta-Analysis on Treatment of Ankle Fractures With Syndesmotic Rupture: Suture-Button Fixation Versus Cortical Screw Fixation. <i>Journal of Foot and Ankle Surgery</i> , <b>2019</b> , 58, 946-953	1.6	18
109	Effectiveness and complications of primary C-clamp stabilization or external fixation for unstable pelvic fractures. <i>Injury</i> , <b>2019</b> , 50, 1959-1965	2.5	5
108	The effect of a heel-unloading orthosis in short-term treatment of calcaneus fractures on physical function, quality of life and return to work - study protocol for a randomized controlled trial. <i>Trials</i> , <b>2019</b> , 20, 324	2.8	1
107	Decision-making, therapy, and outcome in lateral compression fractures of the pelvis - analysis of a single center treatment. <i>BMC Musculoskeletal Disorders</i> , <b>2019</b> , 20, 217	2.8	4
106	Age and "general health"-beside fracture classification-affect the therapeutic decision for geriatric pelvic ring fractures: a German pelvic injury register study. <i>International Orthopaedics</i> , <b>2019</b> , 43, 2629-2636	3.8	12
105	Short versus long intramedullary nails for treatment of intertrochanteric femur fractures (AO 31-A1 and AO 31-A2): a systematic review. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , <b>2019</b> , 29, 1823-1831	2.2	8
104	BMP2 and TGF- $\beta$ Cooperate Differently during Synovial-Derived Stem-Cell Chondrogenesis in a Dexamethasone-Dependent Manner. <i>Cells</i> , <b>2019</b> , 8,	7.9	14
103	Predictors for secondary hip osteoarthritis after acetabular fractures-a pelvic registry study. <i>International Orthopaedics</i> , <b>2019</b> , 43, 2167-2173	3.8	17
102	Detection of major histocompatibility complex molecules in processed allogeneic bone blocks for use in alveolar ridge reconstruction. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , <b>2018</b> ,	2	8
101	Gastrocnemius recession leads to medial shift of gait line, impairment of muscle strength and improved dorsal extension in forefoot overload syndrome. <i>Foot and Ankle Surgery</i> , <b>2018</b> , 24, 309-313	3.1	2
100	Validation of Activity Tracking Procedures in Elderly Patients after Operative Treatment of Proximal Femur Fractures. <i>Rehabilitation Research and Practice</i> , <b>2018</b> , 2018, 3521271	1.2	11
99	Comparing case-control study for treatment of proximal tibia fractures with a complete metaphyseal component in two centers with different distinct strategies: fixation with Ilizarov frame or locking plates. <i>Journal of Orthopaedic Surgery and Research</i> , <b>2018</b> , 13, 121	2.8	6
98	The Potential for Synovium-derived Stem Cells in Cartilage Repair. <i>Current Stem Cell Research and Therapy</i> , <b>2018</b> , 13, 174-184	3.6	42
97	Autologous Chondrocyte Implantation in Osteoarthritic Surroundings: TNF $\alpha$ and Its Inhibition by Adalimumab in a Knee-Specific Bioreactor. <i>American Journal of Sports Medicine</i> , <b>2018</b> , 46, 431-440	6.8	12

96	Beckenverletzungen. <i>OP-Journal</i> , <b>2018</b> , 34, 310-314	0	1
95	The enigma of atypical femoral fractures: A summary of current knowledge. <i>EFORT Open Reviews</i> , <b>2018</b> , 3, 494-500	5.5	21
94	Comparison of Regenerative Tissue Quality following Matrix-Associated Cell Implantation Using Amplified Chondrocytes Compared to Synovium-Derived Stem Cells in a Rabbit Model for Cartilage Lesions. <i>Stem Cells International</i> , <b>2018</b> , 2018, 4142031	5	9
93	In-vitro chondrogenic potential of synovial stem cells and chondrocytes allocated for autologous chondrocyte implantation - a comparison : Synovial stem cells as an alternative cell source for autologous chondrocyte implantation. <i>International Orthopaedics</i> , <b>2017</b> , 41, 991-998	3.8	18
92	Knorpelverletzungen am Kniegelenk. <i>Orthopädie Und Unfallchirurgie Up2date</i> , <b>2017</b> , 12, 179-197	0.1	
91	Gastrocnemius Recession Leads to Increased Ankle Motion and Improved Patient Satisfaction After 2 Years of Follow-Up. <i>Journal of Foot and Ankle Surgery</i> , <b>2017</b> , 56, 589-593	1.6	7
90	Factors influencing treatment success of negative pressure wound therapy in patients with postoperative infections after Osteosynthetic fracture fixation. <i>BMC Musculoskeletal Disorders</i> , <b>2017</b> , 18, 247	2.8	5
89	Dynamic plantar pressure distribution, strength capacity and postural control after Lisfranc fracture-dislocation. <i>Gait and Posture</i> , <b>2017</b> , 52, 332-337	2.6	11
88	Sporting Activity Is Reduced 11 Years After First-Generation Autologous Chondrocyte Implantation in the Knee Joint. <i>American Journal of Sports Medicine</i> , <b>2017</b> , 45, 2762-2773	6.8	5
87	Complication assessment and prevention strategies using midfoot fusion bolt for medial column stabilization in Charcot's osteoarthropathy. <i>Foot</i> , <b>2016</b> , 29, 36-41	1.3	5
86	Clinical trial and in-vitro study comparing the efficacy of treating bony lesions with allografts versus synthetic or highly-processed xenogeneic bone grafts. <i>BMC Musculoskeletal Disorders</i> , <b>2016</b> , 17, 77	2.8	17
85	Classification and Outcome of Fracture-Dislocation of the Cuneiform Bones. <i>Journal of Foot and Ankle Surgery</i> , <b>2016</b> , 55, 1249-1255	1.6	3
84	Oblique Axis Body Fracture: An Unstable Subtype of Anderson Type III Odontoid Fractures-Apropos of Two Cases. <i>Case Reports in Orthopedics</i> , <b>2016</b> , 2016, 7561682	0.4	1
83	Prospective Clinical Trial for Septic Arthritis: Cartilage Degradation and Inflammation Are Associated with Upregulation of Cartilage Metabolites. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 5491971	4.3	3
82	Monitoring live human mesenchymal stromal cell differentiation and subsequent selection using fluorescent RNA-based probes. <i>Scientific Reports</i> , <b>2016</b> , 6, 26014	4.9	13
81	The trans-well coculture of human synovial mesenchymal stem cells with chondrocytes leads to self-organization, chondrogenic differentiation, and secretion of TGF- $\beta$ . <i>Stem Cell Research and Therapy</i> , <b>2016</b> , 7, 64	8.3	31
80	Arthroscopic Transtibial Pullout Repair for Posterior Medial Meniscus Root Tears: A Systematic Review of Clinical, Radiographic, and Second-Look Arthroscopic Results. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2015</b> , 31, 1808-16	5.4	123
79	Prospective clinical trial of patients who underwent ankle arthroscopy with articular diseases to match clinical and radiological scores with intra-articular cytokines. <i>International Orthopaedics</i> , <b>2015</b> , 39, 1631-7	3.8	6

78	Induction of Osteogenic Differentiation in Human Mesenchymal Stem Cells by Crosstalk with Osteoblasts. <i>BioResearch Open Access</i> , <b>2015</b> , 4, 121-30	2.4	18
77	Prospective 5-year survival rate data following open-wedge valgus high tibial osteotomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2015</b> , 23, 1949-55	5.5	109
76	Synovial cytokine expression in ankle osteoarthritis depends on age and stage. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2015</b> , 23, 1359-67	5.5	15
75	Clinical Trial and In Vitro Study for the Role of Cartilage and Synovia in Acute Articular Infection. <i>Mediators of Inflammation</i> , <b>2015</b> , 2015, 430324	4.3	5
74	Radiusköpfchen- und Radiushalsfrakturen. <i>Obere Extremität</i> , <b>2015</b> , 10, 111-118	0.6	3
73	Pelvic Fractures in Children Results from the German Pelvic Trauma Registry: A Cohort Study. <i>Medicine (United States)</i> , <b>2015</b> , 94, e2325	1.8	16
72	Radiographic classification for fractures of the fifth metatarsal base. <i>Skeletal Radiology</i> , <b>2014</b> , 43, 467-74.	4.7	18
71	Long-term outcomes after first-generation autologous chondrocyte implantation for cartilage defects of the knee. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 150-7	6.8	110
70	First-generation versus second-generation autologous chondrocyte implantation for treatment of cartilage defects of the knee: a matched-pair analysis on long-term clinical outcome. <i>International Orthopaedics</i> , <b>2014</b> , 38, 2065-70	3.8	51
69	Correlation of synovial cytokine expression with quality of cells used for autologous chondrocyte implantation in human knees. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , <b>2014</b> , 24, 1563-70	2.2	3
68	Association between intraarticular cytokine levels and clinical parameters of osteochondritis dissecans in the ankle. <i>BMC Musculoskeletal Disorders</i> , <b>2014</b> , 15, 169	2.8	6
67	Eine dorsale Lagerungsschiene mit kontinuierlicher Dorsalextension der Großzehe zur Behandlung der therapierefraktären, plantaren Fasziiitis. <i>Fuss Und Sprunggelenk</i> , <b>2014</b> , 12, 42-47	0.3	
66	Biochemical characterization of early osteoarthritis in the ankle. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 434802	2.2	17
65	Early intra-articular complement activation in ankle fractures. <i>BioMed Research International</i> , <b>2014</b> , 2014, 426893	3	13
64	Clinical outcomes after cell-seeded autologous chondrocyte implantation of the knee: when can success or failure be predicted?. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 208-15	6.8	32
63	Development and retranslational validation of an in vitro model to characterize acute infections in large human joints. <i>BioMed Research International</i> , <b>2014</b> , 2014, 848604	3	3
62	Long-term T2 and Qualitative MRI Morphology After First-Generation Knee Autologous Chondrocyte Implantation: Cartilage Ultrastructure Is Not Correlated to Clinical or Qualitative MRI Outcome. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 1832-40	6.8	39
61	Particulate cartilage under bioreactor-induced compression and shear. <i>International Orthopaedics</i> , <b>2014</b> , 38, 1105-11	3.8	26

60	Autologous chondrocyte implantation in children and adolescents. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2013</b> , 21, 671-7	5.5	20
59	Malposition and revision rates of different imaging modalities for percutaneous iliosacral screw fixation following pelvic fractures: a systematic review and meta-analysis. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2013</b> , 133, 1257-65	3.6	87
58	A non-randomized controlled clinical trial on autologous chondrocyte implantation (ACI) in cartilage defects of the medial femoral condyle with or without high tibial osteotomy in patients with varus deformity of less than 5°. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2013</b> , 133, 43-9	3.6	75
57	Intra- and postoperative complications of navigated and conventional techniques in percutaneous iliosacral screw fixation after pelvic fractures: Results from the German Pelvic Trauma Registry. <i>Injury</i> , <b>2013</b> , 44, 1765-72	2.5	32
56	Clinical results after different operative treatment methods of radial head and neck fractures: a systematic review and meta-analysis of clinical outcome. <i>Injury</i> , <b>2013</b> , 44, 1540-50	2.5	52
55	Computer-assisted navigation for the intraoperative assessment of lower limb alignment in high tibial osteotomy can avoid outliers compared with the conventional technique. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2013</b> , 21, 181-8	5.5	51
54	Autologous chondrocyte implantation for the treatment of chondral and osteochondral defects of the talus: a meta-analysis of available evidence. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2012</b> , 20, 1696-703	5.5	92
53	Autologous chondrocyte implantation for treatment of cartilage defects of the knee: what predicts the need for reintervention?. <i>American Journal of Sports Medicine</i> , <b>2012</b> , 40, 58-67	6.8	82
52	Nanomechanics of human adipose-derived stem cells: small GTPases impact chondrogenic differentiation. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 1035-44	3.9	16
51	Expression of BMP-receptor type 1A correlates with progress of osteoarthritis in human knee joints with focal cartilage lesions. <i>Cytotherapy</i> , <b>2012</b> , 14, 868-76	4.8	10
50	Surgical treatment of osteochondritis dissecans of the talus: a systematic review. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2012</b> , 132, 1241-50	3.6	32
49	Influence of cell quality on clinical outcome after autologous chondrocyte implantation. <i>American Journal of Sports Medicine</i> , <b>2012</b> , 40, 556-61	6.8	50
48	Immunohistological localization of BMP-2, BMP-7, and their receptors in knee joints with focal cartilage lesions. <i>Scientific World Journal, The</i> , <b>2012</b> , 2012, 467892	2.2	10
47	Microfracture for treatment of knee cartilage defects in children and adolescents. <i>Mental Illness</i> , <b>2012</b> , 4, e21	0.9	20
46	Angioembolization for pelvic hemorrhage control: results from the German pelvic injury register. <i>Journal of Trauma</i> , <b>2012</b> , 73, 679-84		58
45	Effects of three-dimensional navigation on intraoperative management and early postoperative outcome after open reduction and internal fixation of displaced acetabular fractures. <i>Journal of Trauma and Acute Care Surgery</i> , <b>2012</b> , 73, 950-6	3.3	20
44	Flexible fixation and fracture healing: do locked plating internal fixators resemble external fixators?. <i>Journal of Orthopaedic Trauma</i> , <b>2011</b> , 25 Suppl 1, S15-20	3.1	22
43	Survival trends and predictors of mortality in severe pelvic trauma: estimates from the German Pelvic Trauma Registry Initiative. <i>Injury</i> , <b>2011</b> , 42, 997-1002	2.5	70

42	In vitro cell quality of articular chondrocytes assigned for autologous implantation in dependence of specific patient characteristics. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2011</b> , 131, 779-89	3.6	23
41	Pain perception in knees with circumscribed cartilage lesions is associated with intra-articular IGF-1 expression. <i>American Journal of Sports Medicine</i> , <b>2011</b> , 39, 1989-96	6.8	17
40	Post-transcriptional regulation of osteoblastic platelet-derived growth factor receptor-alpha expression by co-cultured primary endothelial cells. <i>Cells Tissues Organs</i> , <b>2010</b> , 192, 28-38	2.1	5
39	Chondrocyte-seeded type I/III collagen membrane for autologous chondrocyte transplantation: prospective 2-year results in patients with cartilage defects of the knee joint. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2010</b> , 26, 1074-82	5.4	52
38	Open-wedge osteotomy using an internal plate fixator in patients with medial-compartment gonarthrosis and varus malalignment: 3-year results with regard to preoperative arthroscopic and radiographic findings. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2010</b> , 26, 1607-16	5.4	146
37	Presence of subchondral bone marrow edema at the time of treatment represents a negative prognostic factor for early outcome after autologous chondrocyte implantation. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2010</b> , 130, 977-83	3.6	36
36	Association between expression of the bone morphogenetic proteins 2 and 7 in the repair of circumscribed cartilage lesions with clinical outcome. <i>BMC Musculoskeletal Disorders</i> , <b>2010</b> , 11, 170	2.8	21
35	Identification of risk factors for neurological deficits in patients with pelvic fractures. <i>Orthopedics</i> , <b>2010</b> , 33,	1.5	15
34	Fractures of the patella in children and adolescents. <i>Acta Orthopaedica Belgica</i> , <b>2010</b> , 76, 644-50	1.3	11
33	Indications for computed tomography (CT-) diagnostics in proximal humeral fractures: a comparative study of plain radiography and computed tomography. <i>BMC Musculoskeletal Disorders</i> , <b>2009</b> , 10, 33	2.8	27
32	Chondrogenesis of adipose-derived adult stem cells in a poly-lactide-co-glycolide scaffold. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 1159-67	3.9	51
31	In vivo quantification of intraarticular cytokines in knees during natural and surgically induced cartilage repair. <i>Cytotherapy</i> , <b>2009</b> , 11, 1065-75	4.8	26
30	Inter- and intraobserver reliability of the MTM-classification for proximal humeral fractures: a prospective study. <i>BMC Musculoskeletal Disorders</i> , <b>2008</b> , 9, 21	2.8	15
29	Survival of human mesenchymal stromal cells from bone marrow and adipose tissue after xenogenic transplantation in immunocompetent mice. <i>Cytotherapy</i> , <b>2008</b> , 10, 784-95	4.8	65
28	Characteristic complications after autologous chondrocyte implantation for cartilage defects of the knee joint. <i>American Journal of Sports Medicine</i> , <b>2008</b> , 36, 2091-9	6.8	199
27	Mortality in patients with pelvic fractures: results from the German pelvic injury register. <i>Journal of Trauma</i> , <b>2008</b> , 64, 449-55		133
26	bFGF influences human articular chondrocyte differentiation. <i>Cytotherapy</i> , <b>2007</b> , 9, 184-93	4.8	32
25	Comparison of immunological properties of bone marrow stromal cells and adipose tissue-derived stem cells before and after osteogenic differentiation in vitro. <i>Tissue Engineering</i> , <b>2007</b> , 13, 111-21		158



24	Differential effects of BMP-2 and TGF-beta1 on chondrogenic differentiation of adipose derived stem cells. <i>Cell Proliferation</i> , <b>2007</b> , 40, 809-23	7.9	112
23	Chondrogenic differentiation of human articular chondrocytes differs in biodegradable PGA/PLA scaffolds. <i>Tissue Engineering</i> , <b>2007</b> , 13, 2335-43		48
22	Comparison of cellular functionality of human mesenchymal stromal cells and PBMC. <i>Cytotherapy</i> , <b>2007</b> , 9, 69-79	4.8	21
21	Mesenchymal stem cells maintain TGF-beta-mediated chondrogenic phenotype in alginate bead culture. <i>Tissue Engineering</i> , <b>2006</b> , 12, 1393-403		105
20	Regulative mechanisms of chondrocyte adhesion. <i>Tissue Engineering</i> , <b>2006</b> , 12, 741-50		16
19	Differential expression pattern of extracellular matrix molecules during chondrogenesis of mesenchymal stem cells from bone marrow and adipose tissue. <i>Tissue Engineering</i> , <b>2006</b> , 12, 2853-62		87
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