

Andreas Seitz

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.

43
papers

773
citations

13
h-index

27
g-index

51
ext. papers

961
ext. citations

4.2
avg, IF

3.84
L-index

#	Paper	IF	Citations
43	Decellularized cartilage matrix as a novel biomatrix for cartilage tissue-engineering applications. <i>Tissue Engineering - Part A</i> , 2012 , 18, 2195-209	3.9	170
42	TSG-6 released from intradermally injected mesenchymal stem cells accelerates wound healing and reduces tissue fibrosis in murine full-thickness skin wounds. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 526-537	4.3	153
41	Effect of partial meniscectomy at the medial posterior horn on tibiofemoral contact mechanics and meniscal hoop strains in human knees. <i>Journal of Orthopaedic Research</i> , 2012 , 30, 934-42	3.8	65
40	Processed xenogenic cartilage as innovative biomatrix for cartilage tissue engineering: effects on chondrocyte differentiation and function. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, E239-51	4.4	58
39	Stress-relaxation response of human menisci under confined compression conditions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013 , 26, 68-80	4.1	51
38	Subchondral bone influences chondrogenic differentiation and collagen production of human bone marrow-derived mesenchymal stem cells and articular chondrocytes. <i>Arthritis Research and Therapy</i> , 2014 , 16, 453	5.7	35
37	Medial meniscal displacement and strain in three dimensions under compressive loads: MR assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 1181-8	5.6	30
36	Osteoarthritic cartilage explants affect extracellular matrix production and composition in cocultured bone marrow-derived mesenchymal stem cells and articular chondrocytes. <i>Stem Cell Research and Therapy</i> , 2014 , 5, 77	8.3	23
35	Anterior knee laxity increases gapping of posterior horn medial meniscal tears. <i>American Journal of Sports Medicine</i> , 2011 , 39, 1749-55	6.8	21
34	Newly Defined ATP-Binding Cassette Subfamily B Member 5 Positive Dermal Mesenchymal Stem Cells Promote Healing of Chronic Iron-Overload Wounds via Secretion of Interleukin-1 Receptor Antagonist. <i>Stem Cells</i> , 2019 , 37, 1057-1074	5.8	19
33	Increasing posterior tibial slope does not raise anterior cruciate ligament strain but decreases tibial rotation ability. <i>Clinical Biomechanics</i> , 2013 , 28, 285-90	2.2	17
32	Influence of partial meniscectomy on attachment forces, superficial strain and contact mechanics in porcine knee joints. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015 , 23, 74-82	5.5	13
31	Release of the medial collateral ligament is mandatory in medial open-wedge high tibial osteotomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019 , 27, 2917-2926	5.5	13
30	Forces acting on the anterior meniscotibial ligaments. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012 , 20, 1488-95	5.5	12
29	Mechanical properties and morphological analysis of the transitional zone between meniscal body and ligamentous meniscal attachments. <i>Journal of Biomechanics</i> , 2015 , 48, 1350-5	2.9	11
28	Automatic segmentation of knee menisci - A systematic review. <i>Artificial Intelligence in Medicine</i> , 2020 , 105, 101849	7.4	11
27	Biomechanical considerations are crucial for the success of tendon and meniscus allograft integration-a systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019 , 27, 1708-1716	5.5	11

26	Degeneration alters the biomechanical properties and structural composition of lateral human menisci. <i>Osteoarthritis and Cartilage</i> , 2020 , 28, 1482-1491	6.2	7
25	ACL double-bundle reconstruction with one tibial tunnel provides equal stability compared to two tibial tunnels. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017 , 25, 1646-1652	5.5	6
24	Impact of measurement errors on the determination of the linear modulus of human meniscal attachments. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012 , 10, 120-7	4.1	5
23	Degeneration Affects Three-Dimensional Strains in Human Menisci: MRI Acquisition Combined With Image Registration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 582055	5.8	5
22	Osseointegration of titanium implants with a novel silver coating under dynamic loading. <i>European Cells and Materials</i> , 2020 , 39, 249-259	4.3	4
21	What do patients know about their low back pain? An analysis of the quality of information available on the Internet. <i>Technology and Health Care</i> , 2012 , 20, 447-55	1.1	4
20	Impact of five different medial patellofemoral ligament-reconstruction strategies and three different graft pre-tensioning states on the mean patellofemoral contact pressure: a biomechanical study on human cadaver knees. <i>Journal of Experimental Orthopaedics</i> , 2018 , 5, 25	2.3	4
19	German Society of Biomechanics (DGfB) Young Investigator Award 2019: Proof-of-Concept of a Novel Knee Joint Simulator Allowing Rapid Motions at Physiological Muscle and Ground Reaction Forces. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 244	5.8	3
18	Osteoarthritis-Related Degeneration Alters the Biomechanical Properties of Human Menisci Before the Articular Cartilage. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 659989	5.8	3
17	Modified Candy-Package technique vs Cerclage technique for refixation of the lesser trochanteric fragment in pertrochanteric femoral fractures. A biomechanical comparison of 10 specimens. <i>Injury</i> , 2020 , 51, 1763-1768	2.5	2
16	Neuromapping of the Capsuloligamentous Knee Joint Structures. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021 , 3, e555-e563	2	2
15	Infrared attenuated total reflection spectroscopic surface analysis of bovine-tail intervertebral discs after UV-light-activated riboflavin-induced collagen cross-linking. <i>Journal of Biophotonics</i> , 2020 , 13, e202000110	3.1	1
14	Chondral lesions at the medial femoral condyle, meniscal degeneration, anterior cruciate ligament insufficiency, and lateral meniscal tears impair the middle-term results after arthroscopic partial meniscectomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 3488-3496	5.5	1
13	The tibial cut influences the patellofemoral knee kinematics and pressure distribution in total knee arthroplasty with constitutional varus alignment. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 3258-3269	5.5	1
12	Can UVA-light-activated riboflavin-induced collagen crosslinking be transferred from ophthalmology to spine surgery? A feasibility study on bovine intervertebral disc. <i>PLoS ONE</i> , 2021 , 16, e0252672	3.7	1
11	The tibial cut in total knee arthroplasty influences the varus alignment, the femoral roll-back and the tibiofemoral rotation in patients with constitutional varus. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 641-651	5.5	1
10	Forces at the Anterior Meniscus Attachments Strongly Increase Under Dynamic Knee Joint Loading. <i>American Journal of Sports Medicine</i> , 2021 , 49, 994-1004	6.8	1
9	Are Knotted or Knotless Techniques Better for Reconstruction of Full-Thickness Tears of the Superior Portion of the Subscapularis Tendon? A Study in Cadavers. <i>Clinical Orthopaedics and Related Research</i> , 2021 ,	2.2	1

8	Influence of Menisci on Tibiofemoral Contact Mechanics in Human Knees: A Systematic Review.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 765596	5.8	1
7	Meniscus Injury and its Surgical Treatment Does not Increase Initial Whole Knee Joint Friction.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 779946	5.8	1
6	Influence of tibial hybrid fixation on graft tension and stability in ACL double-bundle reconstruction. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2017 , 137, 981-988	3.6	0
5	Evaluation of a curved surgical prototype in a human larynx. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021 , 278, 2927-2935	3.5	0
4	Knee Joint Menisci Are Shock Absorbers: A Biomechanical Study on Porcine Stifle Joints.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 837554	5.8	0
3	Meniscus biomechanics 2022 , 177-197		
2	Cartilage biomechanics 2022 , 151-176		
1	Comparison of Knotless and Knotted Single-Anchor Repair for Ruptures of the Upper Subscapularis Tendon: Outcomes at 2-Year Follow-up.. <i>Orthopaedic Journal of Sports Medicine</i> , 2022 , 10, 23259671221083591	3.5	0