

Andreas Gomoll

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.

89
papers

3,338
citations

31
h-index

56
g-index

98
ext. papers

4,050
ext. citations

4.1
avg, IF

5.81
L-index

#	Paper	IF	Citations
89	Repair and tissue engineering techniques for articular cartilage. <i>Nature Reviews Rheumatology</i> , 2015 , 11, 21-34	8.1	663
88	The subchondral bone in articular cartilage repair: current problems in the surgical management. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010 , 18, 434-47	5.5	269
87	The John Insall Award: A minimum 10-year outcome study of autologous chondrocyte implantation. <i>Clinical Orthopaedics and Related Research</i> , 2014 , 472, 41-51	2.2	154
86	Autologous chondrocyte implantation for joint preservation in patients with early osteoarthritis. <i>Clinical Orthopaedics and Related Research</i> , 2010 , 468, 147-57	2.2	136
85	Autologous chondrocyte implantation in the patella: a multicenter experience. <i>American Journal of Sports Medicine</i> , 2014 , 42, 1074-81	6.8	115
84	Use of a type I/III bilayer collagen membrane decreases reoperation rates for symptomatic hypertrophy after autologous chondrocyte implantation. <i>American Journal of Sports Medicine</i> , 2009 , 37 Suppl 1, 20S-23S	6.8	106
83	Incisional vacuum-assisted closure therapy. <i>Journal of Orthopaedic Trauma</i> , 2006 , 20, 705-9	3.1	104
82	Individual skill progression on a virtual reality simulator for shoulder arthroscopy: a 3-year follow-up study. <i>American Journal of Sports Medicine</i> , 2008 , 36, 1139-42	6.8	86
81	Triad of cartilage restoration for unicompartmental arthritis treatment in young patients: meniscus allograft transplantation, cartilage repair and osteotomy. <i>Journal of Knee Surgery</i> , 2009 , 22, 137-41	2.4	75
80	Long-term effects of bupivacaine on cartilage in a rabbit shoulder model. <i>American Journal of Sports Medicine</i> , 2009 , 37, 72-7	6.8	71
79	The quality of healing: articular cartilage. <i>Wound Repair and Regeneration</i> , 2014 , 22 Suppl 1, 30-8	3.6	67
78	Cellular senescence in aging and osteoarthritis. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016 , 87, 6-14	4.3	66
77	Preoperative Measurement of Cartilage Defects by MRI Underestimates Lesion Size. <i>Cartilage</i> , 2011 , 2, 389-93	3	65
76	Macrophage: A Potential Target on Cartilage Regeneration. <i>Frontiers in Immunology</i> , 2020 , 11, 111	8.4	64
75	The Role of Meniscal Tears in Spontaneous Osteonecrosis of the Knee: A Systematic Review of Suspected Etiology and a Call to Revisit Nomenclature. <i>American Journal of Sports Medicine</i> , 2019 , 47, 501-507	6.8	52
74	Treatment of chondral defects in the patellofemoral joint. <i>Journal of Knee Surgery</i> , 2006 , 19, 285-95	2.4	49
73	Cartilage repair in the degenerative ageing knee. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016 , 87, 26-38	4.3	49

72	Surgical and Functional Outcomes in Patients Undergoing Total Knee Replacement With Patient-Specific Implants Compared With "Off-the-Shelf" Implants. <i>Orthopaedic Journal of Sports Medicine</i> , 2015 , 3, 2325967115590379	3.5	45
71	High Failure Rate of a Decellularized Osteochondral Allograft for the Treatment of Cartilage Lesions. <i>American Journal of Sports Medicine</i> , 2016 , 44, 2015-22	6.8	45
70	Microfracture and augments. <i>Journal of Knee Surgery</i> , 2012 , 25, 9-15	2.4	43
69	Cryopreserved Amniotic Suspension for the Treatment of Knee Osteoarthritis. <i>Journal of Knee Surgery</i> , 2016 , 29, 443-50	2.4	43
68	The cost-effectiveness of surgical treatment of medial unicompartamental knee osteoarthritis in younger patients: a computer model-based evaluation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015 , 97, 807-17	5.6	39
67	Nanoparticulate fillers improve the mechanical strength of bone cement. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008 , 79, 421-7	4.3	39
66	Autologous Chondrocytes and Next-Generation Matrix-Based Autologous Chondrocyte Implantation. <i>Clinics in Sports Medicine</i> , 2017 , 36, 525-548	2.6	39
65	Cell Seeding Densities in Autologous Chondrocyte Implantation Techniques for Cartilage Repair. <i>Cartilage</i> , 2012 , 3, 108-17	3	36
64	High tibial osteotomy for the treatment of unicompartamental knee osteoarthritis: a review of the literature, indications, and technique. <i>Physician and Sportsmedicine</i> , 2011 , 39, 45-54	2.4	35
63	Surgical management of articular cartilage defects of the knee. <i>Instructional Course Lectures</i> , 2011 , 60, 461-83	1.3	32
62	Chondral and osteochondral operative treatment in early osteoarthritis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016 , 24, 1743-52	5.5	31
61	Distribution of Basement Membrane Molecules, Laminin and Collagen Type IV, in Normal and Degenerated Cartilage Tissues. <i>Cartilage</i> , 2014 , 5, 123-32	3	29
60	Anatomic Risk Factors for Focal Cartilage Lesions in the Patella and Trochlea: A Case-Control Study. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2444-2453	6.8	23
59	Minimal Clinically Important Differences and Substantial Clinical Benefit in Patient-Reported Outcome Measures after Autologous Chondrocyte Implantation. <i>Cartilage</i> , 2020 , 11, 412-422	3	22
58	No effect of topical application of tranexamic acid on articular cartilage. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019 , 27, 931-935	5.5	19
57	Internal fixation of unstable Cahill Type-2C osteochondritis dissecans lesions of the knee in adolescent patients. <i>Orthopedics</i> , 2007 , 30, 487-90	1.5	18
56	The Minimal Clinically Important Difference and Substantial Clinical Benefit in the Patient-Reported Outcome Measures of Patients Undergoing Osteochondral Allograft Transplantation in the Knee. <i>Cartilage</i> , 2021 , 12, 42-50	3	18
55	Patellofemoral Cartilage Repair. <i>Current Reviews in Musculoskeletal Medicine</i> , 2018 , 11, 188-200	4.6	18

54	Cell-Seeded Autologous Chondrocyte Implantation: A Simplified Implantation Technique That Maintains High Clinical Outcomes. <i>American Journal of Sports Medicine</i> , 2017 , 45, 1028-1036	6.8	17
53	Bone-Plug Versus Soft Tissue Fixation of Medial Meniscal Allograft Transplants: A Biomechanical Study. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2960-2965	6.8	17
52	A Randomized Controlled Single-Blind Study Demonstrating Superiority of Amniotic Suspension Allograft Injection Over Hyaluronic Acid and Saline Control for Modification of Knee Osteoarthritis Symptoms. <i>Journal of Knee Surgery</i> , 2019 , 32, 1143-1154	2.4	17
51	2016 barriers to cartilage restoration. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2016 , 7, 183-6	2.1	17
50	Degenerative Meniscus Lesions: An Expert Consensus Statement Using the Modified Delphi Technique. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020 , 36, 501-512	5.4	17
49	Safety and Efficacy of Repeat Administration of Triamcinolone Acetonide Extended-release in Osteoarthritis of the Knee: A Phase 3b, Open-label Study. <i>Rheumatology and Therapy</i> , 2019 , 6, 109-124	4.4	15
48	Patients Scheduled for Chondrocyte Implantation Treatment with MACI Have Larger Defects than Those Enrolled in Clinical Trials. <i>Cartilage</i> , 2016 , 7, 140-8	3	15
47	Patellofemoral Cartilage Restoration: Indications, Techniques, and Outcomes of Autologous Chondrocytes Implantation, Matrix-Induced Chondrocyte Implantation, and Particulated Juvenile Allograft Cartilage. <i>Journal of Knee Surgery</i> , 2018 , 31, 212-226	2.4	13
46	Collagen Type IV and Laminin Expressions during Cartilage Repair and in Late Clinically Failed Repair Tissues from Human Subjects. <i>Cartilage</i> , 2016 , 7, 52-61	3	12
45	Spontaneous osteonecrosis of the knee treated with autologous chondrocyte implantation, autologous bone-grafting, and osteotomy: a report of two cases with follow-up of seven and nine years. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011 , 93, e149	5.6	11
44	Amniotic-Derived Treatments and Formulations. <i>Clinics in Sports Medicine</i> , 2019 , 38, 45-59	2.6	11
43	Decreased Graft Thickness Is Associated With Subchondral Cyst Formation After Osteochondral Allograft Transplantation in the Knee. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2123-2129	6.8	10
42	Load distribution in early osteoarthritis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016 , 24, 1815-1825	3.5	10
41	Effect of Autogenous Bone Marrow Aspirate Treatment on Magnetic Resonance Imaging Integration of Osteochondral Allografts in the Knee: A Matched Comparative Imaging Analysis. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2019 , 35, 2436-2444	5.4	9
40	High Tibial Osteotomy and Medial Meniscus Transplant. <i>Clinics in Sports Medicine</i> , 2019 , 38, 401-416	2.6	9
39	Open Meniscal Allograft Transplantation With Transosseous Suture Fixation of the Meniscal Body Significantly Decreases Meniscal Extrusion Rate Compared With Arthroscopic Technique. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2019 , 35, 1658-1666	5.4	9
38	Amniotic Suspension Allograft Modulates Inflammation in a Rat Pain Model of Osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 1141-1149	3.8	9
37	Cartilage Restoration of Patellofemoral Lesions: A Systematic Review. <i>Cartilage</i> , 2019 , 1947603519893076	3.7	9

36	Algorithm for Treatment of Focal Cartilage Defects of the Knee: Classic and New Procedures. <i>Cartilage</i> , 2021 , 1947603521993219	3	9
35	Increased Chondrocytic Gene Expression Is Associated With Improved Repair Tissue Quality and Graft Survival in Patients After Autologous Chondrocyte Implantation. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2919-2926	6.8	8
34	The Effect of Mechanical Leg Alignment on Cartilage Restoration With and Without Concomitant High Tibial Osteotomy. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020 , 36, 2204-2214	5.4	6
33	Treatment with Human Amniotic Suspension Allograft Improves Tendon Healing in a Rat Model of Collagenase-Induced Tendinopathy. <i>Cells</i> , 2019 , 8,	7.9	6
32	Validation of the Oswestry Risk of Knee Arthroplasty Index (ORKA-1) for Patients Undergoing Autologous Chondrocyte Implantation. <i>Cartilage</i> , 2020 , 11, 405-411	3	6
31	The Role of Hypertension in Cartilage Restoration: Increased Failure Rate After Autologous Chondrocyte Implantation but Not After Osteochondral Allograft Transplantation. <i>Cartilage</i> , 2020 , 1947603519900791	3.5	5
30	Pulse Lavage Fails to Significantly Reduce Bone Marrow Content in Osteochondral Allografts: A Histological and DNA Quantification Study. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2723-2728	6.8	5
29	Routine clinical knee MR reports: comparison of diagnostic performance at 1.5T and 3.0T for assessment of the articular cartilage. <i>Skeletal Radiology</i> , 2017 , 46, 1487-1498	2.7	5
28	A Nano-Composite Poly(Methyl-Methacrylate) Bone Cement. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 581, 399		5
27	Shorter Storage Time Is Strongly Associated With Improved Graft Survivorship at 5 Years After Osteochondral Allograft Transplantation. <i>American Journal of Sports Medicine</i> , 2020 , 48, 3170-3176	6.8	5
26	Safety and Efficacy of an Amniotic Suspension Allograft Injection Over 12 Months in a Single-Blinded, Randomized Controlled Trial for Symptomatic Osteoarthritis of the Knee. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2021 , 37, 2246-2257	5.4	5
25	Isolated MPTL reconstruction fails to restore lateral patellar stability when compared to MPFL reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 793-799	5.5	5
24	Clinical Outcomes after Revision of Autologous Chondrocyte Implantation to Osteochondral Allograft Transplantation for Large Chondral Defects: A Comparative Matched-Group Analysis. <i>Cartilage</i> , 2021 , 12, 155-161	3	5
23	Mental Health Has No Predictive Association With Self-Assessed Knee Outcome Scores in Patients After Osteochondral Allograft Transplantation of the Knee. <i>Orthopaedic Journal of Sports Medicine</i> , 2018 , 6, 2325967118812363	3.5	5
22	Does Flipping the Tubercle for Improved Cartilage Repair Exposure Increase the Risk for Arthrofibrosis?. <i>Cartilage</i> , 2020 , 1947603520968209	3	3
21	Femoral Trochlear Geometry in Patients with Trochlear Dysplasia Using MRI Oblique Trochlear View. <i>Journal of Knee Surgery</i> , 2021 , 34, 699-704	2.4	3
20	Commentary on "Third-generation autologous chondrocyte implantation versus mosaicplasty for knee cartilage injury: 2-year randomized trial". <i>Journal of Orthopaedic Research</i> , 2016 , 34, 557-8	3.8	2
19	Femoral interference screw insertion significantly increases graft tension in medial patellofemoral ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 2851-2856	5.5	2

18	Radiographic Methods Are as Accurate as Magnetic Resonance Imaging for Graft Sizing Before Lateral Meniscal Transplantation. <i>American Journal of Sports Medicine</i> , 2020 , 48, 3534-3540	6.8	2
17	Metrics of Osteochondral Allografts (MOCA) Group Consensus Statements on the Use of Viable Osteochondral Allograft. <i>Orthopaedic Journal of Sports Medicine</i> , 2021 , 9, 2325967120983604	3.5	2
16	Treatment of post-meniscectomy knee symptoms with medial meniscus replacement results in greater pain reduction and functional improvement than non-surgical care. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 1	5.5	2
15	Preoperative Mental Health Has a Stronger Association with Baseline Self-Assessed Knee Scores than Defect Morphology in Patients Undergoing Cartilage Repair. <i>Cartilage</i> , 2020 , 11, 309-315	3	2
14	A New Technique for Distalization of the Tibial Tubercle That Allows Preservation of the Proximal Buttress. <i>Orthopaedic Journal of Sports Medicine</i> , 2018 , 6, 2325967118798621	3.5	2
13	Effect of Graft-Host Interference Fit on Graft Integration after Osteochondral Allograft Transplantation: A Comparative MRI Analysis of Two Instrumentation Sets. <i>Cartilage</i> , 2019 , 1947603519865314	3	1
12	Safety of an Allogeneic, Human, Umbilical Cord Blood-derived Mesenchymal Stem Cells-4% Hyaluronate Composite for Cartilage Repair in the Knee. <i>Journal of Cartilage & Joint Preservation</i> , 2022 , 100037		1
11	Trochlear Dysplasia Does Not Affect the Outcomes of Patellofemoral Autologous Chondrocyte Implantation. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020 , 36, 3019-3027	5.4	1
10	Team Approach: Patellofemoral Instability in the Skeletally Immature. <i>JBJS Reviews</i> , 2019 , 7, e10	2.6	1
9	Patellofemoral joint cartilage restoration with particulated juvenile allograft in patients under 21 years old. <i>Knee</i> , 2021 ,	2.6	1
8	Childhood leukemia presenting as sternal osteomyelitis. <i>American Journal of Orthopedics</i> , 2007 , 36, E148-50		1
7	Association of Sex Mismatch Between Donor and Recipient With Graft Survivorship at 5 Years After Osteochondral Allograft Transplantation.. <i>American Journal of Sports Medicine</i> , 2022 , 3635465211068872	6.8	0
6	Amniotic suspension allograft improves pain and function in a rat meniscal tear-induced osteoarthritis model.. <i>Arthritis Research and Therapy</i> , 2022 , 24, 63	5.7	0
5	Demographics in Patients Receiving Matrix-Assisted Chondrocyte Implantation (MACI) in the Ankle. <i>Cartilage</i> , 2019 , 1947603519870854	3	
4	Prior Surgery Negatively Affects Cell Culture Identity in Patients Undergoing Autologous Chondrocyte Implantation. <i>American Journal of Sports Medicine</i> , 2020 , 48, 635-641	6.8	
3	Management of Chondral Defects Associated with Patella Instability. <i>Clinics in Sports Medicine</i> , 2022 , 41, 137-155	2.6	
2	Safety, Feasibility, and Radiographic Outcomes of the Anterior Meniscal Takedown Technique to Approach Chondral Defects on the Tibia and Posterior Femoral Condyle: A Matched Control Study. <i>Cartilage</i> , 2021 , 12, 62-69	3	
1	Etiology of Cartilage Lesions Does Not Affect Clinical Outcomes of Patellofemoral Autologous Chondrocyte Implantation. <i>Cartilage</i> , 2021 , 19476035211030991	3	

