

Benjamin B Rothrauff

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.

54
papers

1,582
citations

22
h-index

39
g-index

59
ext. papers

2,042
ext. citations

5.1
avg. IF

5.08
L-index

#	Paper	IF	Citations
54	Tendon and ligament regeneration and repair: clinical relevance and developmental paradigm. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2013 , 99, 203-222		225
53	Multilayered polycaprolactone/gelatin fiber-hydrogel composite for tendon tissue engineering. <i>Acta Biomaterialia</i> , 2016 , 35, 68-76	10.8	130
52	Enhancement of tenogenic differentiation of human adipose stem cells by tendon-derived extracellular matrix. <i>Biomaterials</i> , 2013 , 34, 9295-306	15.6	123
51	Aging of the skeletal muscle extracellular matrix drives a stem cell fibrogenic conversion. <i>Aging Cell</i> , 2017 , 16, 518-528	9.9	104
50	The structure and function of the anterolateral ligament of the knee: a systematic review. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2015 , 31, 569-82.e3	5.4	90
49	Braided and Stacked Electrospun Nanofibrous Scaffolds for Tendon and Ligament Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2017 , 23, 378-389	3.9	73
48	Cellular therapy in bone-tendon interface regeneration. <i>Organogenesis</i> , 2014 , 10, 13-28	1.7	67
47	Tissue-specific bioactivity of soluble tendon-derived and cartilage-derived extracellular matrices on adult mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 133	8.3	50
46	Macroscopic anatomical, histological and magnetic resonance imaging correlation of the lateral capsule of the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016 , 24, 2854-2860	5.5	48
45	Region-Specific Effect of the Decellularized Meniscus Extracellular Matrix on Mesenchymal Stem Cell-Based Meniscus Tissue Engineering. <i>American Journal of Sports Medicine</i> , 2017 , 45, 604-611	6.8	42
44	Anatomical region-dependent enhancement of 3-dimensional chondrogenic differentiation of human mesenchymal stem cells by soluble meniscus extracellular matrix. <i>Acta Biomaterialia</i> , 2017 , 49, 140-151	10.8	40
43	Anatomic ACL reconstruction reduces risk of post-traumatic osteoarthritis: a systematic review with minimum 10-year follow-up. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 1072-1084	5.5	38
42	Tendon-Derived Extracellular Matrix Enhances Transforming Growth Factor- β -Induced Tenogenic Differentiation of Human Adipose-Derived Stem Cells. <i>Tissue Engineering - Part A</i> , 2017 , 23, 166-176	3.9	37
41	In Vitro Repair of Meniscal Radial Tear With Hydrogels Seeded With Adipose Stem Cells and TGF- β . <i>American Journal of Sports Medicine</i> , 2018 , 46, 2402-2413	6.8	35
40	Enhanced repair of meniscal hoop structure injuries using an aligned electrospun nanofibrous scaffold combined with a mesenchymal stem cell-derived tissue engineered construct. <i>Biomaterials</i> , 2019 , 192, 346-354	15.6	35
39	Scaffold-Based Therapies: Proceedings of the International Consensus Meeting on Cartilage Repair of the Ankle. <i>Foot and Ankle International</i> , 2018 , 39, 41S-47S	3.3	33
38	Effect of adipose-derived stromal cells and BMP12 on intrasynovial tendon repair: A biomechanical, biochemical, and proteomics study. <i>Journal of Orthopaedic Research</i> , 2016 , 34, 630-40	3.8	29

37	Robust bone regeneration through endochondral ossification of human mesenchymal stem cells within their own extracellular matrix. <i>Biomaterials</i> , 2019 , 218, 119336	15.6	28
36	Effect of Platelet-Rich Plasma on Chondrogenic Differentiation of Adipose- and Bone Marrow-Derived Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1432-1443	3.9	27
35	Efficacy of thermoresponsive, photocrosslinkable hydrogels derived from decellularized tendon and cartilage extracellular matrix for cartilage tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e159-e170	4.4	26
34	Return to sport after anterior cruciate ligament injury: Panther Symposium ACL Injury Return to Sport Consensus Group. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 2403-2414	5.5	25
33	The effect of adipose-derived stem cells on enthesis healing after repair of acute and chronic massive rotator cuff tears in rats. <i>Journal of Shoulder and Elbow Surgery</i> , 2019 , 28, 654-664	4.3	25
32	Experimental Execution of the Simulated Pivot-Shift Test: A Systematic Review of Techniques. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2015 , 31, 2445-54.e2	5.4	17
31	The Rotator Cuff Organ: Integrating Developmental Biology, Tissue Engineering, and Surgical Considerations to Treat Chronic Massive Rotator Cuff Tears. <i>Tissue Engineering - Part B: Reviews</i> , 2017 , 23, 318-335	7.9	16
30	Treatment after anterior cruciate ligament injury: Panther Symposium ACL Treatment Consensus Group. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 2390-2402	5.5	16
29	Dynamic Compressive Loading Improves Cartilage Repair in an In Vitro Model of Microfracture: Comparison of 2 Mechanical Loading Regimens on Simulated Microfracture Based on Fibrin Gel Scaffolds Encapsulating Connective Tissue Progenitor Cells. <i>American Journal of Sports Medicine</i> , 2019 , 47, 2188-2199	6.8	16
28	Arthroscopic image distortion-part I: the effect of lens and viewing angles in a 2-dimensional in vitro model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016 , 24, 2065-71	5.5	14
27	Management of the contaminated anterior cruciate ligament graft. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2014 , 30, 236-44	5.4	14
26	Decellularized bone extracellular matrix in skeletal tissue engineering. <i>Biochemical Society Transactions</i> , 2020 , 48, 755-764	5.1	14
25	Clinical outcomes after anterior cruciate ligament injury: panther symposium ACL injury clinical outcomes consensus group. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 2415-2434	5.5	14
24	Tendon-derived extracellular matrix induces mesenchymal stem cell tenogenesis via an integrin/transforming growth factor- β -crossstalk-mediated mechanism. <i>FASEB Journal</i> , 2020 , 34, 8172-8186	6.9	14
23	Point-of-Care Procedure for Enhancement of Meniscal Healing in a Goat Model Utilizing Infrapatellar Fat Pad-Derived Stromal Vascular Fraction Cells Seeded in Photocrosslinkable Hydrogel. <i>American Journal of Sports Medicine</i> , 2019 , 47, 3396-3405	6.8	13
22	Return to Sport After Anterior Cruciate Ligament Injury: Panther Symposium ACL Injury Return to Sport Consensus Group. <i>Orthopaedic Journal of Sports Medicine</i> , 2020 , 8, 2325967120930829	3.5	12
21	Augmented repair of radial meniscus tear with biomimetic electrospun scaffold: an in vitro mechanical analysis. <i>Journal of Experimental Orthopaedics</i> , 2016 , 3, 23	2.3	11
20	Arthroscopic image distortion-part II: the effect of lens angle and portal location in a 3D knee model. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016 , 24, 2072-8	5.5	11

19	Meniscal substitution, a developing and long-awaited demand. <i>Journal of Experimental Orthopaedics</i> , 2020 , 7, 55	2.3	11
18	The Pivot Shift: Current Experimental Methodology and Clinical Utility for Anterior Cruciate Ligament Rupture and Associated Injury. <i>Current Reviews in Musculoskeletal Medicine</i> , 2019 , 12, 41-49	4.6	10
17	Posterior tibial translation resulting from the posterior drawer manoeuvre in cadaveric knee specimens: a systematic review. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015 , 23, 2974-82	5.5	6
16	Treatment After Anterior Cruciate Ligament Injury: Panther Symposium ACL Treatment Consensus Group. <i>Orthopaedic Journal of Sports Medicine</i> , 2020 , 8, 2325967120931097	3.5	6
15	Over-the-top ACL reconstruction restores anterior and rotatory knee laxity in skeletally immature individuals and revision settings. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020 , 28, 538-543	5.5	6
14	Rapidly dissociated autologous meniscus tissue enhances meniscus healing: An in vitro study. <i>Connective Tissue Research</i> , 2017 , 58, 355-365	3.3	4
13	Anterior cruciate ligament reconstruction with remnant preservation: current concepts. <i>Journal of ISAKOS</i> , 2020 , 5, 128-133	1.1	3
12	In situ cross-sectional area of the quadriceps tendon using preoperative magnetic resonance imaging significantly correlates with the intraoperative diameter of the quadriceps tendon autograft. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 742-749	5.5	3
11	Preoperative ultrasound predicts the intraoperative diameter of the quadriceps tendon autograft more accurately than preoperative magnetic resonance imaging for anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 1	5.5	2
10	Clinical outcomes after anterior cruciate ligament injury: Panther Symposium ACL Injury Clinical Outcomes Consensus Group. <i>Journal of ISAKOS</i> , 2020 , 5, 281-294	1.1	1
9	Treatment after anterior cruciate ligament injury: Panther Symposium ACL Treatment Consensus Group. <i>Journal of ISAKOS</i> , 2021 , 6, 129-137	1.1	1
8	Return to sport after anterior cruciate ligament injury: Panther Symposium ACL Injury Return to Sport Consensus Group. <i>Journal of ISAKOS</i> , 2021 , 6, 138-146	1.1	1
7	Superb microvascular imaging (SMI) detects increased vascularity of the torn anterior cruciate ligament. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 1	5.5	1
6	Paediatric knee anterolateral capsule does not contain a distinct ligament: analysis of histology, immunohistochemistry and gene expression. <i>Journal of ISAKOS</i> , 2021 , 6, 82-87	1.1	1
5	Clinical studies of single-stage combined ACL and PCL reconstruction variably report graft tensioning, fixation sequence, and knee flexion angle at time of fixation. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 29, 1238-1250	5.5	1
4	Anatomical anterior cruciate ligament reconstruction (ACLR) results in fewer rates of atraumatic graft rupture, and higher rates of rotatory knee stability: a meta-analysis. <i>Journal of ISAKOS</i> , 2020 , 5, 359-370	1.1	0
3	Common animal models lack a distinct glenoid labrum: a comparative anatomy study. <i>Journal of Experimental Orthopaedics</i> , 2021 , 8, 63	2.3	0
2	Two-fragment Segond fracture validates historical descriptions of independent soft tissue attachments. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021 , 1	5.5	

- 1 Paper 10: Long-Term Outcomes Following Arthroscopic Posterior Shoulder Stabilization: Minimum 10 Year Follow-up. *Orthopaedic Journal of Sports Medicine*, **2022**, 10, 2325967121S0054 3.5