

Marcel Betsch

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

819
citations

471509

17
h-index

552781

26
g-index

55
all docs

55
docs citations

55
times ranked

606
citing authors

#	ARTICLE	IF	CITATIONS
1	Prognostic factors in the management of osteonecrosis of the femoral head: A systematic review. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2023, 21, 85-98.	1.8	38
2	Prognostic factors for isolated medial patellofemoral ligament reconstruction: A systematic review. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2022, 20, e112-e121.	1.8	19
3	Tourniquet use during knee arthroplasty: A Bayesian network meta-analysis on pain, function, and thromboembolism. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2022, 20, 241-251.	1.8	4
4	The Effects of Blood Flow Restriction in Patients Undergoing Knee Surgery: A Systematic Review and Meta-analysis. <i>American Journal of Sports Medicine</i> , 2022, 50, 2824-2833.	4.2	11
5	Closed suction drainages in Lower Limb Joint Arthroplasty: A level I evidence based meta-analysis. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2022, 20, e51-e60.	1.8	7
6	Biomechanical compensation mechanisms during stair climbing – The effect of leg length inequalities. <i>Gait and Posture</i> , 2022, 91, 290-296.	1.4	5
7	Biomechanical evaluation and comparison of clinically relevant versus non-relevant leg length inequalities. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 174.	1.9	4
8	Single and double bundle posterior cruciate ligament reconstruction yield comparable clinical and functional outcomes: a systematic review and meta-analysis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 2388-2399.	4.2	9
9	Anterior Cruciate Ligament Patellar Tendon Autograft Fixation at 0° Versus 30° Results in Improved Activity Scores and a Greater Proportion of Patients Achieving the Minimal Clinical Important Difference For Knee Injury and Osteoarthritis Outcome Score Pain: A Randomized Controlled Trial. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2022, 38, 1969-1977.	2.7	8
10	The pharmacological management of chronic lower back pain. <i>Expert Opinion on Pharmacotherapy</i> , 2021, 22, 109-119.	1.8	23
11	Arthroscopic Medial Meniscal Posterior Root Repair With Transtibial Luggage-Tag and Horizontal Mattress Sutures. <i>Arthroscopy Techniques</i> , 2021, 10, e21-e27.	1.3	2
12	Inertial measurement units for the detection of the effects of simulated leg length inequalities. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 142.	2.3	2
13	Line- and Point-Focused Extracorporeal Shock Wave Therapy for Achilles Tendinopathy: A Placebo-Controlled RCT Study. <i>Sports Health</i> , 2021, 13, 511-518.	2.7	16
14	Evaluation of Current Symptoms in Postoperative Achilles Tendons: A Multimodal Ultrasound Study. <i>Healthcare (Switzerland)</i> , 2021, 9, 288.	2.0	0
15	The influence of smartphone use on spinal posture – A laboratory study. <i>Gait and Posture</i> , 2021, 85, 298-303.	1.4	19
16	Update on all-arthroscopic vs. mini-open rotator cuff repair: A systematic review and meta-analysis. <i>Journal of Orthopaedics</i> , 2021, 24, 254-263.	1.3	7
17	Multimodal Ultrasound Versus MRI for the Diagnosis and Monitoring of Achilles Tendinopathy: A Prospective Longitudinal Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110068.	1.7	11
18	The Biomechanics of Cartilage – An Overview. <i>Life</i> , 2021, 11, 302.	2.4	42

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19	Changes in muscle activities and kinematics due to simulated leg length inequalities. <i>Biomedizinische Technik</i> , 2021, 66, 437-447.	0.8	1
20	Pedicle Strip of Quadriceps Tendon Graft for Primary Medial Patellofemoral Ligament Reconstruction in Recurrent Patellofemoral Instability: A Systematic Review. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2021, 37, 1992-1999.	2.7	4
21	Postoperative Pain Is Associated With Psychological and Physical Readiness to Return to Sports One-Year After Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 3, e1737-e1743.	1.7	6
22	Effect of drugs on bone mineral density in postmenopausal osteoporosis: a Bayesian network meta-analysis. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 533.	2.3	62
23	The Comprehensive Aachen Knee Score: Development and validation of a new patient-reported outcome measure for patellofemoral pathologies. <i>Knee</i> , 2021, 32, 112-120.	1.6	2
24	Arthroscopic versus mini-open rotator cuff repair: A meta-analysis. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2021, , .	1.8	3
25	Shear Wave Elastography (SWE) for the Evaluation of Patients with Plantar Fasciitis. <i>Academic Radiology</i> , 2020, 27, 363-370.	2.5	29
26	Evaluation of Postoperative Changes in Patellar and Quadriceps Tendons after Total Knee Arthroplasty—A Comprehensive Analysis by Shear Wave Elastography, Power Doppler and B-mode Ultrasound. <i>Academic Radiology</i> , 2020, 27, e148-e157.	2.5	6
27	The Nintendo® Wii Fit Balance Board can be used as a portable and low-cost posturography system with good agreement compared to established systems. <i>European Journal of Medical Research</i> , 2020, 25, 44.	2.2	2
28	Dynamic spinal posture and pelvic position analysis using a rasterstereographic device. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 389.	2.3	12
29	Introduction and evaluation of a novel multi-camera surface topography system. <i>Gait and Posture</i> , 2020, 80, 367-373.	1.4	2
30	Meta-analysis of the validity and reliability of rasterstereographic measurements of spinal posture. <i>European Spine Journal</i> , 2020, 29, 2392-2401.	2.2	23
31	Eccentric and Isometric Exercises in Achilles Tendinopathy Evaluated by the VISA-A Score and Shear Wave Elastography. <i>Sports Health</i> , 2020, 12, 373-381.	2.7	32
32	A Comparative Evaluation of Commercially Available Cell-Based Allografts in a Rat Spinal Fusion Model. <i>International Journal of Spine Surgery</i> , 2020, 14, 213-221.	1.5	7
33	Shear wave elastography for treatment monitoring of plantar fasciitis. <i>Journal of Sports Medicine and Physical Fitness</i> , 2020, 60, 1137-1147.	0.7	6
34	Intra individual comparison of unilateral Achilles tendinopathy using B-mode, power Doppler, ultrasound tissue characterization and shear wave elastography. <i>Journal of Sports Medicine and Physical Fitness</i> , 2020, 60, 1462-1469.	0.7	7
35	Development of a new 360-degree surface topography application. <i>Gait and Posture</i> , 2019, 73, 39-44.	1.4	3
36	Influence of leg length inequalities on pelvis and spine in patients with total hip arthroplasty. <i>PLoS ONE</i> , 2019, 14, e0221695.	2.5	13

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37	Comparison of two different designs of forefoot off-loader shoes and their influence on gait and spinal posture. <i>Gait and Posture</i> , 2019, 69, 202-208.	1.4	7
38	Dynamic evaluation of simulated leg length inequalities and their effects on the musculoskeletal apparatus. <i>Gait and Posture</i> , 2019, 67, 71-76.	1.4	18
39	Effect of a 12-week Eccentric and Isometric Training in Achilles Tendinopathy on the Gastrocnemius Muscle: an Ultrasound Shear Wave Elastography Study. <i>Muscles, Ligaments and Tendons Journal</i> , 2019, 10, 92.	0.3	4
40	Impact of Simulated Knee Injuries on the Patellofemoral and Tibiofemoral Kinematics Investigated with an Electromagnetic Tracking Approach: A Cadaver Study. <i>BioMed Research International</i> , 2018, 2018, 1-13.	1.9	1
41	Transosseous Repair of Root Tears of the Lateral Meniscus: Operative Technique and Short-Term Clinical Follow-Up of 28 Patients. <i>Advances in Orthopedic Surgery</i> , 2017, 2017, 1-7.	0.5	2
42	Effects of Athletic Training on the Spinal Curvature in Child Athletes. <i>Research in Sports Medicine</i> , 2015, 23, 190-202.	1.3	11
43	Spinal posture and pelvic position during pregnancy: a prospective rasterstereographic pilot study. <i>European Spine Journal</i> , 2015, 24, 1282-1288.	2.2	26
44	Determination of the amount of leg length inequality that alters spinal posture in healthy subjects using rasterstereography. <i>European Spine Journal</i> , 2013, 22, 1354-1361.	2.2	44
45	Spinal posture and pelvic position in three hundred forty-five elementary school children: a rasterstereographic pilot study. <i>Orthopedic Reviews</i> , 2013, 5, 7.	1.3	13
46	Evaluation of a Novel Spine and Surface Topography System for Dynamic Spinal Curvature Analysis during Gait. <i>PLoS ONE</i> , 2013, 8, e70581.	2.5	36
47	The effect of simulating leg length inequality on spinal posture and pelvic position: a dynamic rasterstereographic analysis. <i>European Spine Journal</i> , 2012, 21, 691-697.	2.2	50
48	Influence of foot positions on the spine and pelvis. <i>Arthritis Care and Research</i> , 2011, 63, 1758-1765.	3.4	43
49	Reliability and validity of 4D rasterstereography under dynamic conditions. <i>Computers in Biology and Medicine</i> , 2011, 41, 308-312.	7.0	46
50	The rasterstereographic dynamic analysis of posture in adolescents using a modified Matthiass test. <i>European Spine Journal</i> , 2010, 19, 1735-1739.	2.2	21