

# Otto MÃ¼ller

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,395  
citations

331670

21  
h-index

330143

37  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer of plantar pressure from the medial to the central forefoot in patients with hallux valgus. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 149.	1.9	24
2	Increased patellofemoral pressure after TKA: an in vitro study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 500-508.	4.2	38
3	Gender differences in tibio-femoral kinematics and quadriceps muscle force during weight-bearing knee flexion in vitro. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 2557-2563.	4.2	7
4	Dissipated energy as a method to characterize the cartilage damage in large animal joints: An in vitro testing model. <i>Medical Engineering and Physics</i> , 2013, 35, 1251-1255.	1.7	11
5	Differences in knee joint kinematics and forces after posterior cruciate retaining and stabilized total knee arthroplasty. <i>Knee</i> , 2013, 20, 416-421.	1.6	42
6	Differences in tibiofemoral kinematics between the unloaded robotic passive path and a weightbearing knee simulator. <i>Orthopedic Reviews</i> , 2012, 4, e2.	1.3	7
7	Biomechanical Proof of Barbed Sutures for the Efficacy of Laparoscopic Pyeloplasty. <i>Journal of Endourology</i> , 2012, 26, 540-544.	2.1	12
8	The influence of asymmetric quadriceps loading on patellar tracking – An in vitro study. <i>Knee</i> , 2012, 19, 818-822.	1.6	31
9	Corrigendum to “Translational and rotational knee joint stability in anterior and posterior cruciate-retaining knee arthroplasty” [The Knee 18 (2011) 491–495]. <i>Knee</i> , 2012, 19, 226.	1.6	0
10	What does head movement tell about the minimum number of mechanical degrees of freedom in quiet human stance?. <i>Archive of Applied Mechanics</i> , 2012, 82, 333-344.	2.2	8
11	An implant-free double-bundle reconstruction of the anterior cruciate ligament: Operative technique and influence on tibiofemoral kinematics. <i>Clinical Biomechanics</i> , 2011, 26, 754-759.	1.2	2
12	Translational and rotational knee joint stability in anterior and posterior cruciate-retaining knee arthroplasty. <i>Knee</i> , 2011, 18, 491-495.	1.6	34
13	Watching quiet human stance to shake off its straitjacket. <i>Archive of Applied Mechanics</i> , 2011, 81, 283-302.	2.2	18
14	The effect of different quadriceps loading patterns on tibiofemoral joint kinematics and patellofemoral contact pressure during simulated partial weight-bearing knee flexion. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 1099-1106.	4.2	57
15	Influence of bi- and tri-compartmental knee arthroplasty on the kinematics of the knee joint. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 29.	1.9	48
16	In vitro measurement of intraarticular pressure in the ankle joint. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010, 18, 664-668.	4.2	22
17	A simple new device to examine human stance: the totter-slab. <i>Biomedizinische Technik</i> , 2010, 55, 27-38.	0.8	2
18	The Anterior Cruciate Ligament Provides Resistance to Externally Applied Anterior Tibial Force But Not to Internal Rotational Torque During Simulated Weight-Bearing Flexion. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2010, 26, 1520-1527.	2.7	24

#	ARTICLE	IF	CITATIONS
19	Simulation of force loaded knee movement in a newly developed in vitro knee simulator / Simulation von belastungsabhängigen Kniebewegungen in einem neuartigen Knie-Simulator fÄ¼r In-vitro-Studien. Biomedizinische Technik, 2009, 54, 142-149.	0.8	46
20	Forces in anterior cruciate ligament during simulated weight-bearing flexion with anterior and internal rotational tibial load. Journal of Biomechanics, 2008, 41, 1855-1861.	2.1	39
21	Chopart's joint load during gait. Gait and Posture, 2008, 27, 216-222.	1.4	23
22	Transverse pelvic rotation during quiet human stance. Gait and Posture, 2008, 27, 361-367.	1.4	7
23	Talonavicular arthrodesis or triple arthrodesis: Peak pressure in the adjacent joints measured in 8 cadaver specimens. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 78, 592-597.	3.3	33
24	Changes in Chopart joint load following tibiotalar arthrodesis: in vitro analysis of 8 cadaver specimen in a dynamic model. BMC Musculoskeletal Disorders, 2007, 8, 80.	1.9	25
25	Adjustment of pelvispinal parameters preserves the constant gravity line position. International Orthopaedics, 2007, 31, 253-258.	1.9	24
26	Measuring anatomical acetabular cup orientation with a new X-ray technique. Computer Aided Surgery, 2006, 11, 69-75.	1.8	12
27	Measuring anatomical acetabular cup orientation with a new X-ray technique. Computer Aided Surgery, 2006, 11, 69-75.	1.8	3
28	Pelvic tilt makes acetabular cup navigation inaccurate. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 76, 517-523.	3.3	320
29	Metabolic activation stimulates acid secretion and expression of matrix degrading proteases in human osteoblasts. Annals of the Rheumatic Diseases, 2004, 63, 67-70.	0.9	27
30	Three-dimensional measurements of the pressure distribution in artificial joints with a capacitive sensor array. Journal of Biomechanics, 2004, 37, 1623-1625.	2.1	24
31	Substrate dependent differences in morphology and elasticity of living osteoblasts investigated by atomic force microscopy. Colloids and Surfaces B: Biointerfaces, 2000, 19, 367-379.	5.0	160
32	Calibration of light forces in optical tweezers. Applied Optics, 1995, 34, 977.	2.1	140