

Otto MÃ¼ller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8254213/publications.pdf>

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	Pelvic tilt makes acetabular cup navigation inaccurate. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 76, 517-523.	3.3	320
2	Substrate dependent differences in morphology and elasticity of living osteoblasts investigated by atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 19, 367-379.	5.0	160
3	Calibration of light forces in optical tweezers. <i>Applied Optics</i> , 1995, 34, 977.	2.1	140
4	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
5	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
6	Simulation of force loaded knee movement in a newly developed in vitro knee simulator / Simulation von belastungsabhängigen Kniebewegungen in einem neuartigen Knie-Simulator für In-vitro-Studien. <i>Biomedizinische Technik</i> , 2009, 54, 142-149.	0.8	46
7	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
8	Forces in anterior cruciate ligament during simulated weight-bearing flexion with anterior and internal rotational tibial load. <i>Journal of Biomechanics</i> , 2008, 41, 1855-1861.	2.1	39
9	Increased patellofemoral pressure after TKA: an in vitro study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 500-508.	4.2	38
10	Translational and rotational knee joint stability in anterior and posterior cruciate-retaining knee arthroplasty. <i>Knee</i> , 2011, 18, 491-495.	1.6	34
11	Talonavicular arthrodesis or triple arthrodesis: Peak pressure in the adjacent joints measured in 8 cadaver specimens. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007, 78, 592-597.	3.3	33
12	The influence of asymmetric quadriceps loading on patellar tracking – An in vitro study. <i>Knee</i> , 2012, 19, 818-822.	1.6	31
13	Metabolic activation stimulates acid secretion and expression of matrix degrading proteases in human osteoblasts. <i>Annals of the Rheumatic Diseases</i> , 2004, 63, 67-70.	0.9	27
14	Changes in Chopart joint load following tibiotalar arthrodesis: in vitro analysis of 8 cadaver specimen in a dynamic model. <i>BMC Musculoskeletal Disorders</i> , 2007, 8, 80.	1.9	25
15	Three-dimensional measurements of the pressure distribution in artificial joints with a capacitive sensor array. <i>Journal of Biomechanics</i> , 2004, 37, 1623-1625.	2.1	24
16	Adjustment of pelvispinal parameters preserves the constant gravity line position. <i>International Orthopaedics</i> , 2007, 31, 253-258.	1.9	24
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Chopart's joint load during gait. <i>Gait and Posture</i> , 2008, 27, 216-222.	1.4	23
20	In vitro measurement of intraarticular pressure in the ankle joint. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010, 18, 664-668.	4.2	22
21	Watching quiet human stance to shake off its straitjacket. <i>Archive of Applied Mechanics</i> , 2011, 81, 283-302.	2.2	18
22	Measuring anatomical acetabular cup orientation with a new X-ray technique. <i>Computer Aided Surgery</i> , 2006, 11, 69-75.	1.8	12
23	Biomechanical Proof of Barbed Sutures for the Efficacy of Laparoscopic Pyeloplasty. <i>Journal of Endourology</i> , 2012, 26, 540-544.	2.1	12
24	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
25	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
26	Transverse pelvic rotation during quiet human stance. <i>Gait and Posture</i> , 2008, 27, 361-367.	1.4	7
27	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
28	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
29	Measuring anatomical acetabular cup orientation with a new X-ray technique. <i>Computer Aided Surgery</i> , 2006, 11, 69-75.	1.8	3
30	A simple new device to examine human stance: the totter-slab. <i>Biomedizinische Technik</i> , 2010, 55, 27-38.	0.8	2
31	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
32	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