

Robert Wendlandt

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

193
citations

1040056

9
h-index

1125743

13
g-index

25
all docs

25
docs citations

25
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanical analysis of a synthetic femoral spiral fracture model: Do end caps improve retrograde flexible intramedullary nail fixation?. Journal of Orthopaedic Surgery and Research, 2011, 6, 46.	2.3	20
2	In-vitro evaluation of surgical helmet systems for protecting surgeons from droplets generated during orthopaedic procedures. Journal of Hospital Infection, 2016, 94, 75-79.	2.9	20
3	One-Screw Fixation Provides Similar Stability to That of Two-Screw Fixation for Type II Dens Fractures. Clinical Orthopaedics and Related Research, 2012, 470, 2021-2028.	1.5	19
4	BMD-based assessment of local porosity in human femoral cortical bone. Bone, 2018, 114, 50-61.	2.9	17
5	Optimising the tip-apex-distance in trochanteric femoral fracture fixation using the ADAPT-navigated technique, a longitudinal matched cohort study. Injury, 2019, 50, 744-751.	1.7	17
6	Comparative biomechanical study on three miniplates osteosynthesis systems for stabilisation of low condylar fractures of the mandible. British Journal of Oral and Maxillofacial Surgery, 2014, 52, 317-322.	0.8	11
7	Quality of life of persons with transfemoral amputation: Comparison of socket prostheses and osseointegrated prostheses. Prosthetics and Orthotics International, 2021, 45, 20-25.	1.0	11
8	Biomechanical testing of a new plate system for the distal humerus compared to two well-established implants. International Orthopaedics, 2013, 37, 667-672.	1.9	9
9	Accuracy of a hexapod parallel robot kinematics based external fixator. International Journal of Medical Robotics and Computer Assisted Surgery, 2015, 11, 424-435.	2.3	9
10	Improving stability of elastic stable intramedullary nailing in a transverse midshaft femur fracture model: biomechanical analysis of using end caps or a third nail. Journal of Orthopaedic Surgery and Research, 2015, 10, 96.	2.3	8
11	A biomechanical analysis of plate fixation using unicortical and bicortical screws in transverse metacarpal fracture models subjected to 4-point bending and dynamical bending test. Medicine (United Tj ETQq1 1.0.784314 rgBT /Ov	1.0	8
12	Bone plates for osteosynthesis – a systematic review of test methods and parameters for biomechanical testing. Biomedizinische Technik, 2017, 62, 235-243.	0.8	8
13	Biomechanical testing of a novel osteosynthesis plate for the ulnar coronoid process. Shoulder and Elbow, 2014, 6, 191-199.	1.5	6
14	Bone plate-screw constructs for osteosynthesis – recommendations for standardized mechanical torsion and bending tests. Biomedizinische Technik, 2018, 63, 719-727.	0.8	6
15	Biopolymer augmentation of the lag screw in the treatment of femoral neck fractures - a biomechanical in-vitro study. European Journal of Medical Research, 2010, 15, 174.	2.2	5
16	Impact of microscale properties measured by 50-MHz acoustic microscopy on mesoscale elastic and ultimate mechanical cortical bone properties. , 2014, , .		5
17	The impact of harvest length and detachment of the interosseous membrane on donor-site morbidity following free fibula flap surgery – a biomechanical experimental study. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 1939-1942.	1.7	4
18	Additional Tension Screws Improve Stability in Elastic Stable Intramedullary Nailing: Biomechanical Analysis of a Femur Spiral Fracture Model. European Journal of Pediatric Surgery, 2015, 25, 365-372.	1.3	3

#	ARTICLE	IF	CITATIONS
19	A Physiological Dynamic Testing Machine for the Elbow Joint. <i>The Open Orthopaedics Journal</i> , 2013, 7, 78-85.	0.2	2
20	Biomechanical evaluation of novel ultrasound-activated bioresorbable pins for the treatment of osteochondral fractures compared to established methods. <i>Biomedizinische Technik</i> , 2017, 62, 365-373.	0.8	2
21	Study of the tribological properties of surface structures using ultrashort laser pulses to reduce wear in endoprosthetics. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 205.	2.3	2
22	Evaluation of local alterations in femoral bone mineral density measured via quantitative CT. <i>Current Directions in Biomedical Engineering</i> , 2015, 1, 327-330.	0.4	1
23	Impact of axial transmission ultrasound and bone mineral density on the breaking strength of cortical cuboid bone samples. <i>Journal of Orthopaedic Translation</i> , 2014, 2, 246.	3.9	0