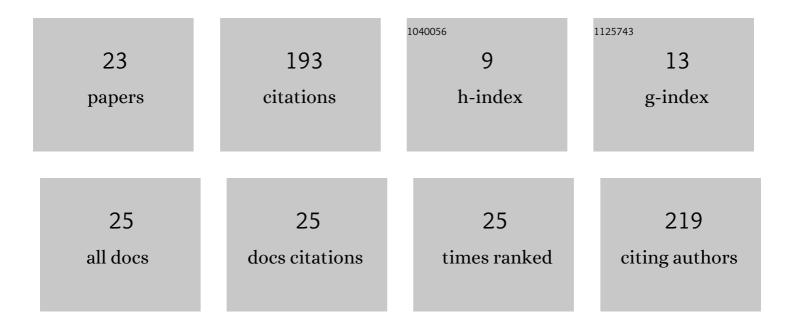
Robert Wendlandt

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	Study of the tribological properties of surface structures using ultrashort laser pulses to reduce wear in endoprosthetics. Journal of Orthopaedic Surgery and Research, 2020, 15, 205.	2.3	2
3	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
4	Bone plate-screw constructs for osteosynthesis – recommendations for standardized mechanical torsion and bending tests. Biomedizinische Technik, 2018, 63, 719-727.	0.8	6
5	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
6	BMD-based assessment of local porosity in human femoral cortical bone. Bone, 2018, 114, 50-61.	2.9	17
7	Biomechanical evaluation of novel ultrasound-activated bioresorbable pins for the treatment of osteochondral fractures compared to established methods. Biomedizinische Technik, 2017, 62, 365-373.	0.8	2
8	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 ETQc	0 0.0 rgBT	/@verlock 10
9	Bone plates for osteosynthesis $\hat{a} \in$ a systematic review of test methods and parameters for biomechanical testing. Biomedizinische Technik, 2017, 62, 235-243.	0.8	8
10	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
11	Evaluation of local alterations in femoral bone mineral density measured via quantitative CT. Current Directions in Biomedical Engineering, 2015, 1, 327-330.	0.4	1
12	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
13	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
14	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
15	Impact of microscale properties measured by 50-MHz acoustic microscopy on mesoscale elastic and ultimate mechanical cortical bone properties. , 2014, , .		5
16	Biomechanical testing of a novel osteosynthesis plate for the ulnar coronoid process. Shoulder and Elbow, 2014, 6, 191-199.	1.5	6
17	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
18	Impact of axial transmission ultrasound and bone mineral density on the breaking strength of cortical cuboid bone samples. Journal of Orthopaedic Translation, 2014, 2, 246.	3.9	0

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19	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
20	A Physiological Dynamic Testing Machine for the Elbow Joint. The Open Orthopaedics Journal, 2013, 7, 78-85.	0.2	2
21	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
22	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
23	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