

Michael Werner

List of Publications by Year in descending order

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12
papers

168
citations

1478458

6
h-index

1199563

12
g-index

13
all docs

13
docs citations

13
times ranked

221
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of anisotropic elastic parameters from morphological parameters of cancellous bone for osteoporotic lumbar spine. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 263-278.	2.8	1
2	Wrist at risk? â€œ Considerations derived from a novel experimental setup to assess torques during hip reaming with potential implications on the orthopedic surgeonsâ€™ health. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 113, 104160.	3.1	3
3	Position Control and Force Estimation Method for Surgical Forceps Using SMA Actuators and Sensors. <i>Materials</i> , 2021, 14, 5111.	2.9	5
4	The FED-Method (Fixation, Elongation, Derotation) â€œ a Machine-supported Treatment Approach to Patients with Idiopathic Scoliosis â€œ Systematic Review. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2020, 158, 318-332.	0.7	6
5	Experimental validation of adaptive pedicle screwsâ€™ a novel implant concept using shape memory alloys. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 55-65.	2.8	9
6	Finite element analysis of load transition on sacroiliac joint during bipedal walking. <i>Scientific Reports</i> , 2020, 10, 13683.	3.3	27
7	Development and Validation of Bone Models using Structural Dynamic Measurement Methods. <i>Current Directions in Biomedical Engineering</i> , 2019, 5, 343-345.	0.4	4
8	Kinematics of the Lumboâ€™Pelvic Complex under Different Loading Conditions. <i>Current Directions in Biomedical Engineering</i> , 2019, 5, 347-349.	0.4	3
9	Physiological <i>in vitro</i> sacroiliac joint motion: a study on three-dimensional posterior pelvic ring kinematics. <i>Journal of Anatomy</i> , 2019, 234, 346-358.	1.5	28
10	Biomechanical evaluation of hybrid double plate osteosynthesis using a locking plate and an inverted third tubular plate for the treatment of proximal humeral fractures. <i>PLoS ONE</i> , 2018, 13, e0206349.	2.5	20
11	Biomechanical analysis of stiffness and fracture displacement after using PMMA-augmented sacroiliac screw fixation for sacrum fractures. <i>Biomedizinische Technik</i> , 2017, 62, 421-428.	0.8	21
12	Ethanol and formaldehyde fixation irreversibly alter bones' organic matrix. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 29, 252-258.	3.1	41