Marianne Hollensteiner

List of Publications by Year
in descending order

21	177	1307594 7	1199594 12
papers	citations	h-index	g-index

21	21	21	183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three internal fixation methods for Danis-Weber-B distal fibular fractures: A biomechanical comparison in an osteoporotic fibula model. Foot and Ankle Surgery, 2022, 28, 845-851.	1.7	3
2	Mechanical and morphometric characterization of custom-made trabecular bone surrogates. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 129, 105146.	3.1	3
3	Single or Double Plating for Acromial Type III Fractures: Biomechanical Comparison of Load to Failure and Fragment Motion. Journal of Clinical Medicine, 2022, 11, 3130.	2.4	4
4	The role of mechanical stimulation in the enhancement of bone healing. Injury, 2021, 52, S78-S83.	1.7	51
5	Custom-made polyurethane-based synthetic bones mimic screw cut-through of intramedullary nails in human long bones. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 117, 104405.	3.1	1
6	Characterization of tissue properties in epidural needle insertion on human specimen and synthetic materials. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 110, 103946.	3.1	8
7	Development of open-cell polyurethane-based bone surrogates for biomechanical testing of pedicle screws. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 97, 247-253.	3.1	7
8	Bone surrogates provide authentic onlay graft fixation torques. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 159-163.	3.1	2
9	Transpedicular Approach on a Novel Spine Simulator: A Validation Study. Journal of Surgical Education, 2018, 75, 1127-1134.	2.5	15
10	Procedure-Specific Validation of Artificial Vertebrae. IEEE Transactions on Biomedical Engineering, 2018, 65, 1852-1858.	4.2	4
11	Characterization of polyurethane-based synthetic vertebrae for spinal cement augmentation training. Journal of Materials Science: Materials in Medicine, 2018, 29, 153.	3.6	6
12	Characterization of an artificial skull cap for cranio-maxillofacial surgery training. Journal of Materials Science: Materials in Medicine, 2018, 29, 135.	3.6	4
13	Validation of a simulator for cranial graft lift training: Face, content, and construct validity. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 1390-1394.	1.7	8
14	Characterization of synthetic foam structures used to manufacture artificial vertebral trabecular bone. Materials Science and Engineering C, 2017, 76, 1103-1111.	7.3	12
15	Novel bone surrogates for cranial surgery training. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 72, 49-51.	3.1	12
16	Inexpensive bone cement substitute for vertebral cement augmentation training. , 2016, 2016, 2202-2205.		2
17	Development of parietal bone surrogates for parietal graft lift training. Current Directions in Biomedical Engineering, 2016, 2, 637-641.	0.4	3
18	Development of trabecular bone surrogates for kyphoplasty-balloon dilatation training. , 2015, 2015, 5106-9.		2

#	Article	IF	Citations
19	Assessment parameters for a novel simulator in minimally invasive spine surgery. , 2015, 2015, 5110-3.		6
20	Artificial muscles for a novel simulator in minimally invasive spine surgery. , 2014, 2014, 506-9.		14
21	Artificial Vertebrae for a Novel Simulator in Minimally Invasive Spine Surgery. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	10