

# Marianne Hollensteiner

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

177  
citations

1307594

7  
h-index

1199594

12  
g-index

21  
all docs

21  
docs citations

21  
times ranked

183  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of mechanical stimulation in the enhancement of bone healing. Injury, 2021, 52, S78-S83.	1.7	51
2	Transpedicular Approach on a Novel Spine Simulator: A Validation Study. Journal of Surgical Education, 2018, 75, 1127-1134.	2.5	15
3	Artificial muscles for a novel simulator in minimally invasive spine surgery. , 2014, 2014, 506-9.		14
4	Characterization of synthetic foam structures used to manufacture artificial vertebral trabecular bone. Materials Science and Engineering C, 2017, 76, 1103-1111.	7.3	12
5	Novel bone surrogates for cranial surgery training. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 72, 49-51.	3.1	12
6	Artificial Vertebrae for a Novel Simulator in Minimally Invasive Spine Surgery. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	10
7	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
8	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
9	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
10	Assessment parameters for a novel simulator in minimally invasive spine surgery. , 2015, 2015, 5110-3.		6
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	Procedure-Specific Validation of Artificial Vertebrae. IEEE Transactions on Biomedical Engineering, 2018, 65, 1852-1858.	4.2	4
13	Characterization of an artificial skull cap for cranio-maxillofacial surgery training. Journal of Materials Science: Materials in Medicine, 2018, 29, 135.	3.6	4
14	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
15	Development of parietal bone surrogates for parietal graft lift training. Current Directions in Biomedical Engineering, 2016, 2, 637-641.	0.4	3
16	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
17	Mechanical and morphometric characterization of custom-made trabecular bone surrogates. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 129, 105146.	3.1	3
18	Development of trabecular bone surrogates for kyphoplasty-balloon dilatation training. , 2015, 2015, 5106-9.		2

#	ARTICLE	IF	CITATIONS
19	Inexpensive bone cement substitute for vertebral cement augmentation training. , 2016, 2016, 2202-2205.		2
20	Bone surrogates provide authentic onlay graft fixation torques. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 159-163.	3.1	2
21	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