Mark Pichelmann

List of Publications by Year
in descending order

21	182	1040056 9	1125743 13
papers	citations	h-index	g-index

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

#	Article	IF	Citations
1	Investigation of a <scp>threeâ€dimensional</scp> printed dynamic cervical spine model for anatomy and physiology education. Clinical Anatomy, 2021, 34, 30-39.	2.7	17
2	Establishing a Cost-Effective 3-Dimensional Printing Laboratory for Anatomical Modeling and Simulation. Simulation in Healthcare, 2021, 16, 213-220.	1.2	2
3	Techniques and Tips for Freehand Placement of C7 Pedicle Screws With Respect to Cervicothoracic Constructs: 2-Dimensional Operative Video. Operative Neurosurgery, 2020, 18, E234-E234.	0.8	1
4	The importance of teaching clinical anatomy in surgical skills education: Spare the patient, use a sim!. Clinical Anatomy, 2020, 33, 124-127.	2.7	18
5	3-Dimensionally Printed Biomimetic Surgical Simulationâ€"Operative Technique of a Transforaminal Lumbar Interbody Fusion: 2-Dimensional Operative Video. Operative Neurosurgery, 2020, 19, E153-E153.	0.8	3
6	Biomimetic 3-Dimensionalâ^'Printed Posterior Cervical Laminectomy and Fusion Simulation: Advancements in Education Tools for Trainee Instruction. World Neurosurgery, 2020, 135, 308.	1.3	15
7	Investigation of the â€œSuperior Facet Ruleâ€•Using 3D-Printed Thoracic Vertebrae With Simulated Corticocancellous Interface. World Neurosurgery, 2020, 143, e51-e59.	1.3	4
8	Investigation and Feasibility of Combined 3D Printed Thermoplastic Filament and Polymeric Foam to Simulate the Cortiocancellous Interface of Human Vertebrae. Scientific Reports, 2020, 10, 2912.	3.3	13
9	Ex vivo virtual and 3D printing methods for evaluating an anatomyâ€based spinal instrumentation technique for the 12th thoracic vertebra. Clinical Anatomy, 2020, 33, 458-467.	2.7	7
10	Microanatomical considerations for safe uncinate removal during anterior cervical discectomy and fusion: 10â€year experience. Clinical Anatomy, 2020, 33, 920-926.	2.7	5
11	The SpineBox: A Freely Available, Open-access, 3D-printed Simulator Design for Lumbar Pedicle Screw Placement. Cureus, 2020, 12, e7738.	0.5	11
12	Letter to the Editor. Safety in the use of a high-speed burr for total uncinectomy during ACDF. Journal of Neurosurgery: Spine, 2020, 32, 488-489.	1.7	2
13	Total Anterior Uncinatectomy During Anterior Discectomy and Fusion for Recurrent Cervical Radiculopathy: A Two-dimensional Operative Video and Technical Report. Cureus, 2020, 12, e7466.	0.5	3
14	How I do it: total uncinatectomy during anterior diskectomy and fusion for cervical radiculopathy caused by uncovertebral joint hypertrophy. Acta Neurochirurgica, 2019, 161, 2229-2232.	1.7	12
15	Development of a Novel 3D Printed Phantom for Teaching Neurosurgical Trainees the Freehand Technique of C2 Laminar Screw Placement. World Neurosurgery, 2019, 129, e812-e820.	1.3	28
16	Abdominal wall paresis after posterior spine surgery: An anatomic explanation. Clinical Neurology and Neurosurgery, 2019, 186, 105551.	1.4	0
17	How I do it: tapered rod placement across the cervicothoracic junction for augmented posterior constructs. Acta Neurochirurgica, 2019, 161, 2429-2431.	1.7	3
18	Freehand C2 Pedicle Screw Placement: Surgical Anatomy and Operative Technique. World Neurosurgery, 2019, 132, 113.	1.3	5

#	Article	IF	Citations
19	Finding the â€œSweet Spotâ€•for C2 Root Transection in C1 Lateral Mass Exposure. World Neurosurgery, 2019, 127, e738-e744.	1.3	0
20	A Feasibility Study for the Production of Three-dimensional-printed Spine Models Using Simultaneously Extruded Thermoplastic Polymers
. Cureus, 2019, 11, e4440.	0.5	21
21	The Future of Biomechanical Spine Research: Conception and Design of a Dynamic 3D Printed Cervical Myelography Phantom. Cureus, 2019, 11, e4591.	0.5	12