

Mark Pichelmann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11945077/publications.pdf>

Version: 2024-02-01

21
papers

182
citations

1040056

9
h-index

1125743

13
g-index

21
all docs

21
docs citations

21
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Novel 3D Printed Phantom for Teaching Neurosurgical Trainees the Freehand Technique of C2 Lamina Screw Placement. <i>World Neurosurgery</i> , 2019, 129, e812-e820.	1.3	28
2	A Feasibility Study for the Production of Three-dimensional-printed Spine Models Using Simultaneously Extruded Thermoplastic Polymers. <i>Cureus</i> , 2019, 11, e4440.	0.5	21
3	The importance of teaching clinical anatomy in surgical skills education: Spare the patient, use a sim!. <i>Clinical Anatomy</i> , 2020, 33, 124-127.	2.7	18
4	Investigation of a three-dimensional printed dynamic cervical spine model for anatomy and physiology education. <i>Clinical Anatomy</i> , 2021, 34, 30-39.	2.7	17
5	Biomimetic 3-Dimensional Printed Posterior Cervical Laminectomy and Fusion Simulation: Advancements in Education Tools for Trainee Instruction. <i>World Neurosurgery</i> , 2020, 135, 308.	1.3	15
6	Investigation and Feasibility of Combined 3D Printed Thermoplastic Filament and Polymeric Foam to Simulate the Corticocancellous Interface of Human Vertebrae. <i>Scientific Reports</i> , 2020, 10, 2912.	3.3	13
7	How I do it: total uncinectomy during anterior discectomy and fusion for cervical radiculopathy caused by uncovertebral joint hypertrophy. <i>Acta Neurochirurgica</i> , 2019, 161, 2229-2232.	1.7	12
8	The Future of Biomechanical Spine Research: Conception and Design of a Dynamic 3D Printed Cervical Myelography Phantom. <i>Cureus</i> , 2019, 11, e4591.	0.5	12
9	The SpineBox: A Freely Available, Open-access, 3D-printed Simulator Design for Lumbar Pedicle Screw Placement. <i>Cureus</i> , 2020, 12, e7738.	0.5	11
10	Ex vivo virtual and 3D printing methods for evaluating an anatomy-based spinal instrumentation technique for the 12th thoracic vertebra. <i>Clinical Anatomy</i> , 2020, 33, 458-467.	2.7	7
11	Freehand C2 Pedicle Screw Placement: Surgical Anatomy and Operative Technique. <i>World Neurosurgery</i> , 2019, 132, 113.	1.3	5
12	Microanatomical considerations for safe uncinete removal during anterior cervical discectomy and fusion: 10-year experience. <i>Clinical Anatomy</i> , 2020, 33, 920-926.	2.7	5
13	Investigation of the "Superior Facet Rule" Using 3D-Printed Thoracic Vertebrae With Simulated Corticocancellous Interface. <i>World Neurosurgery</i> , 2020, 143, e51-e59.	1.3	4
14	How I do it: tapered rod placement across the cervicothoracic junction for augmented posterior constructs. <i>Acta Neurochirurgica</i> , 2019, 161, 2429-2431.	1.7	3
15	3-Dimensionally Printed Biomimetic Surgical Simulation of Operative Technique of a Transforaminal Lumbar Interbody Fusion: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E153-E153.	0.8	3
16	Total Anterior Uncinectomy During Anterior Discectomy and Fusion for Recurrent Cervical Radiculopathy: A Two-dimensional Operative Video and Technical Report. <i>Cureus</i> , 2020, 12, e7466.	0.5	3
17	Establishing a Cost-Effective 3-Dimensional Printing Laboratory for Anatomical Modeling and Simulation. <i>Simulation in Healthcare</i> , 2021, 16, 213-220.	1.2	2
18	Letter to the Editor. Safety in the use of a high-speed burr for total uncinectomy during ACDF. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 488-489.	1.7	2

#	ARTICLE	IF	CITATIONS
19	Techniques and Tips for Freehand Placement of C7 Pedicle Screws With Respect to Cervicothoracic Constructs: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 18, E234-E234.	0.8	1
20	Abdominal wall paresis after posterior spine surgery: An anatomic explanation. <i>Clinical Neurology and Neurosurgery</i> , 2019, 186, 105551.	1.4	0
21	Finding the "Sweet Spot" for C2 Root Transection in C1 Lateral Mass Exposure. <i>World Neurosurgery</i> , 2019, 127, e738-e744.	1.3	0