Vincent Bissonnette

List of Publications by Year
in descending order

10	493	1163117 8	1372567 10
papers	citations	h-index	g-index

10	10	10	309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Virtual Operative Assistant: An explainable artificial intelligence tool for simulation-based training in surgery and medicine. PLoS ONE, 2020, 15, e0229596.	2.5	124
2	Artificial Intelligence in Medical Education: Best Practices Using Machine Learning to Assess Surgical Expertise in Virtual Reality Simulation. Journal of Surgical Education, 2019, 76, 1681-1690.	2.5	115
3	Machine Learning Identification of Surgical and Operative Factors Associated With Surgical Expertise in Virtual Reality Simulation. JAMA Network Open, 2019, 2, e198363.	5.9	88
4	Artificial Intelligence Distinguishes Surgical Training Levels in a Virtual Reality Spinal Task. Journal of Bone and Joint Surgery - Series A, 2019, 101, e127.	3.0	68
5	Artificial Neural Networks to Assess Virtual Reality Anterior Cervical Discectomy Performance. Operative Neurosurgery, 2020, 19, 65-75.	0.8	39
6	Virtual Reality Anterior Cervical Discectomy and Fusion Simulation on the Novel Sim-Ortho Platform: Validation Studies. Operative Neurosurgery, 2021, 20, 74-82.	0.8	23
7	Machine learning distinguishes neurosurgical skill levels in a virtual reality tumor resection task. Medical and Biological Engineering and Computing, 2020, 58, 1357-1367.	2.8	16
8	Assessment of learning curves on a simulated neurosurgical task using metrics selected by artificial intelligence. Journal of Neurosurgery, 2022, 137, 1160-1171.	1.6	10
9	Artificial Neural Network Approach to Competency-Based Training Using a Virtual Reality Neurosurgical Simulation. Operative Neurosurgery, 2022, 23, 31-39.	0.8	7
10	Nondominant Hand Skills Spatial and Psychomotor Analysis During a Complex Virtual Reality Neurosurgical Taskâ€"A Case Series Study. Operative Neurosurgery, 2022, 23, 22-30.	0.8	3