

# Vincent Bissonnette

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11932271/publications.pdf>

Version: 2024-02-01

10  
papers

493  
citations

1163117

8  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

309  
citing authors

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