

Bradley S Duerstock

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

500
citations

933447

10
h-index

713466

21
g-index

29
all docs

29
docs citations

29
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological Measurements of Situation Awareness: A Systematic Review. Human Factors, 2023, 65, 737-758.	3.5	58
2	Bringing Patient Mannequins to Life: 3D Projection Enhances Nursing Simulation. , 2022, , .		2
3	Automated Detection of Symptomatic Autonomic Dysreflexia Through Multimodal Sensing. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-8.	3.7	10
4	Classification of Blind Usersâ€™ Image Exploratory Behaviors Using Spiking Neural Networks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1032-1041.	4.9	1
5	Adaptive Virtual Reality Exergame for Individualized Rehabilitation for Persons with Spinal Cord Injury. Lecture Notes in Computer Science, 2020, , 518-535.	1.3	2
6	Identifying Comfort Areas in 3D Space for Persons with Upper Extremity Mobility Impairments Using Virtual Reality. , 2019, , .		7
7	Sensing Sympathetic Activation Using Novel Non-Invasive Techniques in Rats. , 2019, , .		2
8	Developing Rehabilitation Practices Using Virtual Reality Exergaming. , 2018, , .		11
9	Optimal Feature Selection for the Detection of Autonomic Dysreflexia in Individuals with Tetraplegia. , 2018, , .		3
10	Image Exploration Procedure Classification with Spike-timing Neural Network for the Blind. , 2018, , .		4
11	An optimized real-time hands gesture recognition based interface for individuals with upper-level spinal cord injuries. Journal of Real-Time Image Processing, 2016, 11, 301-314.	3.5	3
12	Enhanced control of a wheelchair-mounted robotic manipulator using 3-D vision and multimodal interaction. Computer Vision and Image Understanding, 2016, 149, 21-31.	4.7	28
13	User-Centered and Analytic-Based Approaches to Generate Usable Gestures for Individuals With Quadriplegia. IEEE Transactions on Human-Machine Systems, 2016, 46, 460-466.	3.5	7
14	Increase in oxidative stress biomarkers in dogs with ascendingâ€“descending myelomalacia following spinal cord injury. Journal of the Neurological Sciences, 2015, 353, 63-69.	0.6	24
15	Determining natural and accessible gestures using uncontrolled manifolds and cybernetics. , 2015, , .		1
16	Integrated vision-based system for efficient, semi-automated control of a robotic manipulator. International Journal of Intelligent Computing and Cybernetics, 2014, 7, 253-266.	2.7	6
17	A Machine Vision-Based Gestural Interface for People With Upper Extremity Physical Impairments. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 630-641.	9.3	29
18	Multimodal approach to image perception of histology for the blind or visually impaired. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Using speech recognition for real-time captioning and lecture transcription in the classroom. IEEE Transactions on Learning Technologies, 2013, 6, 299-311.	3.2	55
20	Facilitated Gesture Recognition Based Interfaces for People with Upper Extremity Physical Impairments. Lecture Notes in Computer Science, 2012, , 228-235.	1.3	7
21	Theta Rotation and Serial Registration of Light Microscopical Images Using a Novel Camera Rotating Device. Microscopy and Microanalysis, 2010, 16, 239-247.	0.4	1
22	AccessScope project: Accessible light microscope for users with upper limb mobility or visual impairments. Disability and Rehabilitation: Assistive Technology, 2010, 5, 143-152.	2.2	9
23	Accessible Microscopy Workstation for Students and Scientists With Mobility Impairments. Assistive Technology, 2006, 18, 34-45.	2.0	10
24	Intravenous Polyethylene Glycol Inhibits the Loss of Cerebral Cells after Brain Injury. Journal of Neurotrauma, 2005, 22, 1092-1111.	3.4	48
25	Double labeling serial sections to enhance three-dimensional imaging of injured spinal cord. Journal of Neuroscience Methods, 2004, 134, 101-107.	2.5	6
26	Three-dimensional morphometry of spinal cord injury following polyethylene glycol treatment. Journal of Experimental Biology, 2002, 205, 13-24.	1.7	37
27	Three-dimensional morphometry of spinal cord injury following polyethylene glycol treatment. Journal of Experimental Biology, 2002, 205, 13-24.	1.7	32
28	Two- and three-dimensional computer graphic evaluation of the subacute spinal cord injury. Journal of the Neurological Sciences, 1998, 155, 121-137.	0.6	31
29	Reduction of the Current of Injury Leaving the Amputation Inhibits Limb Regeneration in the Red Spotted Newt. Developmental Biology, 1996, 178, 251-262.	2.0	65