

# Miguel Angel Padilla-Castañeda

List of Publications by Year  
in descending order

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Version: 2024-02-01

30  
papers

266  
citations

1163117  
8  
h-index

996975  
15  
g-index

30  
all docs

30  
docs citations

30  
times ranked

330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous robot navigation using adaptive potential fields. Mathematical and Computer Modelling, 2004, 40, 1141-1156.	2.0	88
2	Virtual reality simulation of robotic transsphenoidal brain tumor resection: Evaluating dynamic motion scaling in a master-slave system. International Journal of Medical Robotics and Computer Assisted Surgery, 2019, 15, e1953.	2.3	28
3	Haptic guidance of Light-Exoskeleton for arm-rehabilitation tasks. , 2009, , .		22
4	A High-Fidelity Hybrid Virtual Reality Simulator of Aneurysm Clipping Repair With Brain Sylvian Fissure Exploration for Vascular Neurosurgery Training. Simulation in Healthcare, 2021, 16, 285-294.	1.2	18
5	An Orthopaedic Robotic-Assisted Rehabilitation Method of the Forearm in Virtual Reality Physiotherapy. Journal of Healthcare Engineering, 2018, 2018, 1-20.	1.9	15
6	Hand and Arm Ownership Illusion through Virtual Reality Physical Interaction and Vibrotactile Stimulations. Lecture Notes in Computer Science, 2010, , 194-199.	1.3	12
7	Deformable model of the prostate for TURP surgery simulation. Computers and Graphics, 2004, 28, 767-777.	2.5	11
8	The Modulation of Ownership and Agency in the Virtual Hand Illusion under Visuotactile and Visuomotor Sensory Feedback. Presence: Teleoperators and Virtual Environments, 2014, 23, 209-225.	0.6	11
9	Use of simplex search in active shape models for improved boundary segmentation. Pattern Recognition Letters, 2010, 31, 806-817.	4.2	10
10	A virtual reality system for robotic-assisted orthopedic rehabilitation of forearm and elbow fractures. , 2013, , .		9
11	Automatic counting of immunocytochemically stained cells. , 0, , .		8
12	Automatic analysis of immunocytochemically stained tissue samples. Medical and Biological Engineering and Computing, 2005, 43, 672-677.	2.8	7
13	Autonomous robot navigation based on the evolutionary multi-objective optimization of potential fields. Engineering Optimization, 2013, 45, 19-43.	2.6	6
14	Image-Fusion Operators for 3D Anatomical and Functional Analysis of the Brain. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 833-5.	0.5	3
15	Young adult binge drinkers have immunophenotypic changes in peripheral polymorphonuclear cells and monocytes. American Journal of Drug and Alcohol Abuse, 2018, 44, 403-412.	2.1	3
16	Virtual reality simulator of transurethral resection of the prostate. , 2009, , .		2
17	Ownership illusion of the hand/arm through dynamic VR interactions and automatic vibrotactile stimulation. , 2010, , .		2
18	Endogenous Fluorescence Dissimilarity Assessment of Four Potential Biomarkers of Early Liver Fibrosis by Preservation Media Effect. Journal of Fluorescence, 2020, 30, 249-257.	2.5	2

#	ARTICLE	IF	CITATIONS
19	A Wearable System Based on Multiple Magnetic and Inertial Measurement Units for Spine Mobility Assessment: A Reliability Study for the Evaluation of Ankylosing Spondylitis. Sensors, 2022, 22, 1332.	3.8	2
20	A robotic & virtual reality orthopedic rehabilitation system for the forearm. Studies in Health Technology and Informatics, 2012, 181, 324-8.	0.3	2
21	Improved Collision Detection Algorithm for Soft Tissue Deformable Models. , 0, , .		1
22	Mechatronic Resectoscope Emulator for a Surgery Simulation Training System of the Prostate. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1750-3.	0.5	1
23	Resection Simulation with Local Tissue Deformations for Computer Assisted Surgery of the Prostate. Lecture Notes in Computer Science, 2002, , 450-459.	1.3	1
24	Hypnotizability and the position sense: proprioceptive localization of the hand. Archives Italiennes De Biologie, 2015, 153, 46-55.	0.4	1
25	Preliminary tests of an Inertial Measurement Units based System for Spine mobility assessment in patients with Ankylosing Spondylitis. , 2021, 2021, 7124-7127.		1
26	Mechatronics Interface for Computer Assisted Prostate Surgery Training. AIP Conference Proceedings, 2006, , .	0.4	0
27	Designing Image Operators for MRI-PET Image Fusion of the Brain. AIP Conference Proceedings, 2006, , .	0.4	0
28	Computational tools for extracting, representing and analyzing facial features. AIP Conference Proceedings, 2016, , .	0.4	0
29	Computer vision system for evaluating the Schoberâ€™s test. AIP Conference Proceedings, 2016, , .	0.4	0
30	Soft Tissue Resection for Prostatectomy Simulation. Lecture Notes in Computer Science, 2004, , 568-576.	1.3	0