Silviu Butnariu

List of Publications by Year
in descending order

18 papers	60 citations	2258059 3 h-index	1872680 6 g-index
18 all docs	18 docs citations	18 times ranked	109 citing authors

#	Article	IF	Citations
1	Measurement and Geometric Modelling of Human Spine Posture for Medical Rehabilitation Purposes Using a Wearable Monitoring System Based on Inertial Sensors. Sensors, 2017, 17, 0003.	3.8	39
2	Real-time representation of the human spine with absolute orientation sensors. , 2016, , .		5
3	Methodology for the Identification of Needles Trajectories in Robotic Brachytherapy Procedure Using VR Technology. Applied Mechanics and Materials, 2013, 332, 503-508.	0.2	4
4	Engineering eHeritageâ€"A New Approach for Study of Intangible Cultural Heritage. Case Study: The Analysis of the Noise Produced by the Dacian Dracon. Sustainability, 2019, 11, 2226.	3.2	4
5	Virtual Planning of Needle Trajectories Using a Haptic Interface for a Brachytherapy Parallel Robot: An Evaluation Study. Applied Mechanics and Materials, 0, 762, 155-160.	0.2	2
6	High Quality 3D Restoration of Photographed Structures Using V.R. Technologies. Applied Mechanics and Materials, 2013, 464, 391-398.	0.2	1
7	The Command of a Virtual Industrial Robot Using a Dedicated Haptic Interface. Advanced Materials Research, 0, 837, 543-548.	0.3	1
8	Parameter computation of the hand model in virtual grasping. , 2014, , .		1
9	An analysis on tissue deformation during robotic biopsy needle insertion. , 2017, , .		1
10	Medical Recovery System Based on Inertial Sensors. Advances in Intelligent Systems and Computing, 2019, , 395-405.	0.6	1
11	Using Inertial Sensors in Driver Posture Tracking Systems. Proceedings in Automotive Engineering, 2019, , 17-24.	0.1	1
12	Virtual prototyping in design of synchronous belts drives. International Journal of Design Engineering, 2008, 1, 380.	0.3	0
13	Consideration about Elastic Couplings Modeled in CATIA. Applied Mechanics and Materials, 0, 657, 760-764.	0.2	0
14	A Virtual Reality System for Pre-Planning of Robotic-Assisted Prostate Biopsy. Applied Mechanics and Materials, 0, 772, 585-590.	0.2	0
15	Design of a Scoliosis Monitoring System Using Inertial Sensors. Applied Mechanics and Materials, 0, 772, 597-602.	0.2	0
16	Saliency Detection in a Virtual Driving Environment for Autonomous Vehicle Behavior Improvement. Lecture Notes in Computer Science, 2021, , 511-518.	1.3	0
17	New Approaches for Understanding Some Concepts from History Using Engineering Techniques. Advances in Intelligent Systems and Computing, 2021, , 86-97.	0.6	0
18	Haptic Device with Decoupled Motion for Rehabilitation and Training of the Upper Limb. Advances in Intelligent Systems and Computing, 2019, , 413-422.	0.6	0