George P Moustris

List of Publications by Year
in descending order

22 papers	438 citations	1307594 7 h-index	1372567 10 g-index
22 all docs	22 docs citations	22 times ranked	573 citing authors

#	Article	IF	Citations
1	Evolution of autonomous and semiâ€autonomous robotic surgical systems: a review of the literature. International Journal of Medical Robotics and Computer Assisted Surgery, 2011, 7, 375-392.	2.3	232
2	Switching fuzzy tracking control for mobile robots under curvature constraints. Control Engineering Practice, 2011, 19, 45-53.	5.5	32
3	Fuzzy logic path tracking control for autonomous non-holonomic mobile robots: Design of System on a Chip. Robotics and Autonomous Systems, 2010, 58, 1017-1027.	5.1	30
4	User-Oriented Evaluation of a Robotic Rollator That Provides Navigation Assistance in Frail Older Adults with and without Cognitive Impairment. Gerontology, 2018, 64, 278-290.	2.8	30
5	A ROBUST FUZZY LOGIC PATH TRACKER FOR NON-HOLONOMIC MOBILE ROBOTS. International Journal on Artificial Intelligence Tools, 2005, 14, 935-965.	1.0	17
6	Reducing a class of polygonal path tracking to straight line tracking via nonlinear strip-wise affine transformation. Mathematics and Computers in Simulation, 2008, 79, 133-148.	4.4	15
7	Advances in Intelligent Mobility Assistance Robot Integrating Multimodal Sensory Processing. Lecture Notes in Computer Science, 2014, , 692-703.	1.3	15
8	Shared control for motion compensation in robotic beating heart surgery. , 2013, , .		8
9	Terrain Following for Fixed-Wing Unmanned Aerial Vehicles Using Feedback Equivalence. , 2019, 3, 150-155.		8
10	Feedback Equivalence and Control of Mobile Robots Through a Scalable FPGA Architecture. , 0, , .		7
11	Autonomous SoC for fuzzy robot path tracking. , 2007, , .		6
12	Intention-based front-following control for an intelligent robotic rollator in indoor environments. , 2016, , .		6
13	Assistive front-following control of an intelligent robotic rollator based on a modified dynamic window planner. , 2016, , .		5
14	Assessment of an intelligent robotic rollator implementing navigation assistance in frail seniors. Technology and Disability, 2020, 32, 159-177.	0.6	5
15	Incremental 2D Delaunay triangulation core implementation on FPGA for surface reconstruction via high-level synthesis. , 2017, , .		4
16	The I-Walk Assistive Robot. Springer Proceedings in Advanced Robotics, 2021, , 31-45.	1.3	4
17	The i-Walk Lightweight Assistive Rollator: First Evaluation Study. Frontiers in Robotics and AI, 2021, 8, 677542.	3.2	4
18	Tracking control using the strip-wise affine transformation: An experimental SoC design. , 2009, , .		4

#	Article	IF	Citations
19	Enhancing surgical accuracy using virtual fixtures and motion compensation in robotic beating heart surgery. , 2013, , .		2
20	Simplifying mobile robot tracking control through feedback equivalence. , 2016, , .		2
21	Image-Guided Motion Compensation for Robotic-Assisted Beating Heart Surgery. , 2020, , 363-374.		2
22	Feedback Equivalence Between Curve & Straight Line Tracking for Unmanned Aerial Vehicles. , 2018, , .		0