Anis Sahbani

List of Publications by Year
in descending order

22 papers	905 citations	1478505 6 h-index	1281871 11 g-index
24 all docs	24 docs citations	24 times ranked	947 citing authors

#	Article	IF	Citations
1	Fast Grasp Planning Using Cord Geometry. IEEE Transactions on Robotics, 2015, 31, 1393-1403.	10.3	7
2	Robotic Exoskeletons: A Perspective for the Rehabilitation of Arm Coordination in Stroke Patients. Frontiers in Human Neuroscience, 2014, 8, 947.	2.0	124
3	Grasping objects localized from uncertain point cloud data. Robotics and Autonomous Systems, 2014, 62, 1742-1754.	5.1	4
4	Dexterous Manipulation Planning for an Anthropomorphic Hand. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , 241-248.	0.6	0
5	Constraining Upper Limb Synergies of Hemiparetic Patients Using a Robotic Exoskeleton in the Perspective of Neuro-Rehabilitation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 247-257.	4.9	42
6	An overview of 3D object grasp synthesis algorithms. Robotics and Autonomous Systems, 2012, 60, 326-336.	5.1	332
7	Generic Motion Planner for Robot Multi-fingered Manipulation. Advanced Robotics, 2011, 25, 23-46.	1.8	5
8	A comanipulation device for orthopedic surgery that generates geometrical constraints with real-time registration on moving bones. , 2011, , .		11
9	Changing human upper-limb synergies with an exoskeleton using viscous fields. , 2011, , .		6
10	Needle path planning for digital breast tomosynthesis biopsy using a heterogeneous model. , 2011, , .		4
11	A new strategy combining empirical and analytical approaches for grasping unknown 3D objects. Robotics and Autonomous Systems, 2010, 58, 497-507.	5.1	42
12	Imposing joint kinematic constraints with an upper limb exoskeleton without constraining the end-point motion. , 2010, , .		1
13	Needle path planning for digital breast tomosynthesis biopsy. , 2010, , .		10
14	Needle Path Planning Method for Digital Breast Tomosynthesis Biopsy Based on Probabilistic Techniques. Lecture Notes in Computer Science, 2010, , 15-22.	1.3	3
15	On computing robust n-finger force-closure grasps of 3D objects. , 2009, , .		20
16	A hybrid approach for grasping 3D objects. , 2009, , .		21
17	A Sufficient Condition For Computing N-Finger Force-Closure Grasps of 3D Objects. , 2008, , .		4
18	A sufficient condition and a new quality criterion for force-closure grasps synthesis of 3D objects. , 2008, , .		0

#	Article	IF	Citations
19	Dexterous manipulation planning using probabilistic roadmaps in continuous grasp subspaces. , 2007, , .		35
20	Learning the natural grasping component of an unknown object. , 2007, , .		22
21	A Global Approach for Dexterous Manipulation Planning Using Paths in n-fingers Grasp Subspace. , 2006, , .		3
22	A General Manipulation Task Planner. Springer Tracts in Advanced Robotics, 2004, , 311-327.	0.4	7