Alexandru Patriciu

List of Publications by Year
in descending order

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29 papers	1,669 citations	471371 17 h-index	526166 27 g-index
30 all docs	30 docs citations	30 times ranked	1026 citing authors

#	Article	IF	Citations
1	A Pneumatically Actuated Target Stabilization Device for MRI-Guided Breast Biopsy. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1288-1300.	3.7	11
2	A tissue stabilization device for MRI-guided breast biopsy. Medical Engineering and Physics, 2014, 36, 1197-1204.	0.8	9
3	Model based deformable object manipulation using linear robust output regulation. , 2010, , .		3
4	Deformation Planning for Robotic Soft Tissue Manipulation. , 2009, , .		28
5	Transperineal Prostate Intervention: Robot for Fully Automated MR Imagingâ€"System Description and Proof of Principle in a Canine Model. Radiology, 2008, 247, 543-549.	3.6	86
6	A New Type of Motor: Pneumatic Step Motor. IEEE/ASME Transactions on Mechatronics, 2007, 12, 98-106.	3.7	178
7	â€œMRI Stealthâ€•robot for prostate interventions. Minimally Invasive Therapy and Allied Technologies, 2007, 16, 241-248.	0.6	179
8	Automatic Brachytherapy Seed Placement Under MRI Guidance. IEEE Transactions on Biomedical Engineering, 2007, 54, 1499-1506.	2.5	97
9	Tumor Ablation Treatment Planning Coupled to Robotic Implementation: A Feasibility Study. Journal of Vascular and Interventional Radiology, 2006, 17, 903-907.	0.2	18
10	Magnetic resonance imaging compatible robotic system for fully automated brachytherapy seed placement. Urology, 2006, 68, 1313-1317.	0.5	96
11	Robotically assisted prostate brachytherapy with transrectal ultrasound guidanceâ€"Phantom experiments. Brachytherapy, 2006, 5, 14-26.	0.2	74
12	Synthetic Torso for Training in and Evaluation of Urologic Laparoscopic Skills. Journal of Endourology, 2006, 20, 340-345.	1.1	17
13	Technology Insight: telementoring and telesurgery in urology. Nature Reviews Urology, 2006, 3, 611-617.	1.4	50
14	Robotic prostate surgery. Expert Review of Medical Devices, 2006, 3, 575-584.	1.4	14
15	A randomized controlled trial of human versus robotic and telerobotic access to the kidney as the first step in percutaneous nephrolithotomy. Computer Aided Surgery, 2005, 10, 165-171.	1.8	37
16	A randomized controlled trial of human versus robotic and telerobotic access to the kidney as the first step in percutaneous nephrolithotomy. Computer Aided Surgery, 2005, 10, 165-171.	1.8	8
17	Analysis of the conformational dependence of mass-metric tensor determinants in serial polymers with constraints. Journal of Chemical Physics, 2004, 121, 12708.	1.2	22
18	Overview and fundamentals of urologic robot-integrated systems. Urologic Clinics of North America, 2004, 31, 671-682.	0.8	9

#	Article	IF	Citations
19	Telementoring Between Brazil and the United States: Initial Experience. Journal of Endourology, 2003, 17, 217-220.	1.1	72
20	Is Telesurgery a New Reality? Our Experience with Laparoscopic and Percutaneous Procedures. Journal of Endourology, 2003, 17, 137-142.	1.1	71
21	Fluoroscopy servoing using translation/rotation decoupling in an A/P view. , 2003, 5029, 161.		1
22	Robotic Percutaneous Access to the Kidney: Comparison with Standard Manual Access. Journal of Endourology, 2002, 16, 471-475.	1.1	130
23	Robotically Driven Interventions: A Method of Using CT Fluoroscopy without Radiation Exposure to the Physician. Radiology, 2002, 225, 277-282.	3.6	119
24	System for Robotically Assisted Prostate Biopsy and Therapy with Intraoperative CT Guidance. Academic Radiology, 2002, 9, 60-74.	1.3	141
25	Robotically Assisted Nerve and Facet Blocks. Academic Radiology, 2002, 9, 821-825.	1.3	40
26	System for Robotically Assisted Percutaneous Procedures with Computed Tomography Guidance. Computer Aided Surgery, 2001, 6, 370-383.	1.8	78
27	System for robotically assisted percutaneous procedures with computed tomography guidance. Computer Aided Surgery, 2001, 6, 370-83.	1.8	54
28	Robotic Kidney and Spine Percutaneous Procedures Using a New Laser-Based CT Registration Method. Lecture Notes in Computer Science, 2001, , 249-257.	1.0	18
29	MEASUREMENT OF BIO-IMPEDANCE WITH A SMART NEEDLE TO CONFIRM PERCUTANEOUS KIDNEY ACCESS. Journal of Urology, 2001, , 1520-1523.	0.2	4