## Peter Kazanzides

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Medical robotics—Regulatory, ethical, and legal considerations for increasing levels of autonomy. Science Robotics, 2017, 2, .	9.9	349
2	Design and Integration of a Telerobotic System for Minimally Invasive Surgery of the Throat. International Journal of Robotics Research, 2009, 28, 1134-1153.	5.8	342
3	High-Resolution, Small Animal Radiation Research Platform With X-Ray Tomographic Guidance Capabilities. International Journal of Radiation Oncology Biology Physics, 2008, 71, 1591-1599.	0.4	314
4	An open-source research kit for the da Vinci $\hat{A}^{\circledast}$ Surgical System. , 2014, , .		309
5	An image-directed robotic system for precise orthopaedic surgery. IEEE Transactions on Automation Science and Engineering, 1994, 10, 261-275.	2.4	271
6	Investigation of Attitude Tracking Using an Integrated Inertial and Magnetic Navigation System for Hand-Held Surgical Instruments. IEEE/ASME Transactions on Mechatronics, 2012, 17, 210-217.	3.7	150
7	Anatomy-based registration of CT-scan and intraoperative X-ray images for guiding a surgical robot. IEEE Transactions on Medical Imaging, 1998, 17, 715-728.	5.4	130
8	An integrated system for planning, navigation and robotic assistance for skull base surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2008, 4, 321-330.	1.2	126
9	Surgical and Interventional Robotics - Core Concepts, Technology, and Design [Tutorial]. IEEE Robotics and Automation Magazine, 2008, 15, 122-130.	2.2	115
10	Intraoperative Image-based Multiview 2D/3D Registration for Image-Guided Orthopaedic Surgery: Incorporation of Fiducial-Based C-Arm Tracking and GPU-Acceleration. IEEE Transactions on Medical Imaging, 2012, 31, 948-962.	5.4	110
11	Computer-integrated revision total hip replacement surgery: concept and preliminary results. Medical Image Analysis, 1999, 3, 301-319.	7.0	107
12	Robotic assistance for ultrasound-guided prostate brachytherapy. Medical Image Analysis, 2008, 12, 535-545.	7.0	104
13	Development and Application of a New Steady-Hand Manipulator for Retinal Surgery. , 2007, , .		93
14	Multisensor Data Fusion in an Integrated Tracking System for Endoscopic Surgery. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 106-111.	3.6	78
15	Image-guided small animal radiation research platform: calibration of treatment beam alignment. Physics in Medicine and Biology, 2009, 54, 891-905.	1.6	72
16	Comparison of optical see-through head-mounted displays for surgical interventions with object-anchored 2D-display. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 901-910.	1.7	69
17	A Review of Augmented Reality in Robotic-Assisted Surgery. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 1-16.	2.1	69
18	Localization of Transcranial Targets for Photoacoustic-Guided Endonasal Surgeries. Photoacoustics, 2015, 3, 78-87.	4.4	67

#	Article	IF	CITATIONS
19	ARssist: augmented reality on a headâ€mounted display for the first assistant in robotic surgery. Healthcare Technology Letters, 2018, 5, 194-200.	1.9	61
20	Photoacoustic-based approach to surgical guidance performed with and without a da Vinci robot. Journal of Biomedical Optics, 2017, 22, 1.	1.4	58
21	Vision-Based Calibration of Dual RCM-Based Robot Arms in Human-Robot Collaborative Minimally Invasive Surgery. IEEE Robotics and Automation Letters, 2018, 3, 672-679.	3.3	56
22	Accelerating Surgical Robotics Research: A Review of 10 Years With the da Vinci Research Kit. IEEE Robotics and Automation Magazine, 2021, 28, 56-78.	2.2	56
23	Surgical and interventional robotics: part III [Tutorial]. IEEE Robotics and Automation Magazine, 2008, 15, 84-93.	2.2	44
24	Challenges in image-guided therapy system design. NeuroImage, 2007, 37, S144-S151.	2.1	41
25	A C-Arm Fluoroscopy-Guided Progressive Cut Refinement Strategy Using a Surgical Robot. Computer Aided Surgery, 2000, 5, 373-390.	1.8	40
26	Surgical and interventional robotics: Part II. IEEE Robotics and Automation Magazine, 2008, 15, 94-102.	2.2	37
27	Robotic needle guide for prostate brachytherapy: Clinical testing of feasibility and performance. Brachytherapy, 2011, 10, 57-63.	0.2	37
28	A robotic system for â€FMISO PETâ€guided intratumoral measurements. Medical Physics, 2009, 36, 5301-5309.	1.6	36
29	In vivo reproducibility of robotic probe placement for a novel ultrasound-guided radiation therapy system. Journal of Medical Imaging, 2014, 1, 1.	0.8	36
30	A Surgical Robotic System for Treatment of Pelvic Osteolysis Using an FBG-Equipped Continuum Manipulator and Flexible Instruments. IEEE/ASME Transactions on Mechatronics, 2021, 26, 369-380.	3.7	36
31	Providing visual information to validate 2-D to 3-D registration. Medical Image Analysis, 2000, 4, 357-374.	7.0	35
32	An Inertial and Optical Sensor Fusion Approach for Six Degree-of-Freedom Pose Estimation. Sensors, 2015, 15, 16448-16465.	2.1	34
33	SPARTA: multiple signal processors for high-performance robot control. IEEE Transactions on Automation Science and Engineering, 1989, 5, 628-640.	2.4	33
34	Software Architecture of the Da Vinci Research Kit. , 2017, , .		32
35	Neural Network based Inverse Dynamics Identification and External Force Estimation on the da Vinci Research Kit. , 2020, , .		29
36	System Integration and In Vivo Testing of a Robot for Ultrasound Guidance and Monitoring During Radiotherapy. IEEE Transactions on Biomedical Engineering, 2017, 64, 1608-1618.	2.5	28

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37	Safety design for medical robots. , 2009, 2009, 7208-11.		26
38	Certifying the safe design of a virtual fixture control algorithm for a surgical robot. , 2013, , .		26
39	Virtual fixture assistance for needle passing and knot tying. , 2016, , .		26
40	Augmented reality environment with virtual fixtures for robotic telemanipulation in space. , 2012, , .		25
41	Augmented reality goggles with an integrated tracking system for navigation in neurosurgery. , 2012, ,		24
42	Model-based telerobotic control with virtual fixtures for satellite servicing tasks. , 2013, , .		23
43	Development of a surgical robot for cementless total hip replacement. Robotica, 1993, 11, 553-560.	1.3	22
44	A cooperatively controlled robot for ultrasound monitoring of radiation therapy. , 2013, 2013, 3071-3076.		22
45	A Unified Framework for the Teleoperation of Surgical Robots in Constrained Workspaces. , 2019, , .		22
46	A C-arm fluoroscopy-guided progressive cut refinement strategy using a surgical robot. Computer Aided Surgery, 2000, 5, 373-390.	1.8	22
47	Small Animal Radiation Research Platform: Imaging, Mechanics, Control and Calibration. , 2007, 10, 926-934.		21
48	Toward Standardized Acoustic Radiation Force (ARF)-Based Ultrasound Elasticity Measurements With Robotic Force Control. IEEE Transactions on Biomedical Engineering, 2016, 63, 1517-1524.	2.5	21
49	Feasibility study of ultrasound imaging for stereotactic body radiation therapy with active breathing coordinator in pancreatic cancer. Journal of Applied Clinical Medical Physics, 2017, 18, 84-96.	0.8	21
50	Design and Evaluation of a Performance-based Adaptive Curriculum for Robotic Surgical Training: a Pilot Study. , 2018, 2018, 2162-2165.		21
51	A Paired-Orientation Alignment Problem in a Hybrid Tracking System for Computer Assisted Surgery. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 63, 151-161.	2.0	20
52	Augmented Reality Assisted Instrument Insertion and Tool Manipulation for the First Assistant in Robotic Surgery. , 2019, , .		20
53	Robotic Assistance for Ultrasound Guided Prostate Brachytherapy. Lecture Notes in Computer Science, 2007, 10, 119-127.	1.0	20

54 Accuracy improvement of a neurosurgical robot system. , 2008, , .

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55	Force-Controlled Exploration for Updating Virtual Fixture Geometry in Model-Mediated Telemanipulation. Journal of Mechanisms and Robotics, 2017, 9, .	1.5	18
56	2D ultrasound imaging based intra-fraction respiratory motion tracking for abdominal radiation therapy using machine learning. Physics in Medicine and Biology, 2019, 64, 185006.	1.6	18
57	Validation of <scp>GPU</scp> â€accelerated superposition–convolution dose computations for the Small Animal Radiation Research Platform. Medical Physics, 2018, 45, 2252-2265.	1.6	17
58	Cooperative Control with Ultrasound Guidance for Radiation Therapy. Frontiers in Robotics and Al, 2016, 3, .	2.0	16
59	Augmented virtuality for model-based teleoperation. , 2017, , .		16
60	Restoring the Awareness in the Occluded Visual Field for Optical See-Through Head-Mounted Displays. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2936-2946.	2.9	16
61	SCAN: System for Camera Autonomous Navigation in Robotic-Assisted Surgery. , 2020, , .		16
62	ARAMIS: Augmented Reality Assistance for Minimally Invasive Surgery Using a Head-Mounted Display. Lecture Notes in Computer Science, 2019, , 74-82.	1.0	16
63	Development of an image-guided robot for small animal research. Computer Aided Surgery, 2007, 12, 357-365.	1.8	15
64	Metrology and standards needs for some categories of medical devices. Journal of Research of the National Institute of Standards and Technology, 2008, 113, 121.	0.4	15
65	Experimental evaluation of force control for virtual-fixture-assisted teleoperation for on-orbit manipulation of satellite thermal blanket insulation. , 2015, , .		15
66	Can Mixed-Reality Improve the Training of Medical Procedures?. , 2018, 2018, 4065-4068.		15
67	Medical robotics and computer-integrated interventional medicine. , 2020, , 617-672.		15
68	AR-Loupe: Magnified Augmented Reality by Combining an Optical See-Through Head-Mounted Display and a Loupe. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 2550-2562.	2.9	15
69	A component-based architecture for flexible integration of robotic systems. , 2010, , .		14
70	Medical Robotics and Computer-Integrated Interventional Medicine**Reprinted from Biomedical Information Technology, D. Feng, Ed.; Russell Taylor and Peter Kazanzides, "Medical Robotics and Computer-Integrated Interventional Medicineâ€, pp. 393-416, 2007, Reprinted with permission from Elsevier Advances in Computers, 2008, 73, 219-260.	1.2	13
71	Centralized processing and distributed I/O for robot control. , 2008, , .		13
72	An Interactive Mixed Reality Platform for Bedside Surgical Procedures. Lecture Notes in Computer Science, 2020, , 65-75.	1.0	13

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73	Incremental Encoder Based Position and Velocity Measurements VLSI Chip with Serial Peripheral Interface. , 2007, , .		12
74	Medical Robotics and Computer-Integrated Interventional Medicine. , 2008, , 393-416.		12
75	A constrained optimization approach to virtual fixtures for multi-robot collaborative teleoperation. , 2011, , .		12
76	Preliminary study of virtual nonholonomic constraints for time-delayed teleoperation. , 2015, , .		12
77	Photoacoustic image guidance for robot-assisted skull base surgery. , 2015, , .		12
78	System integration and preliminary in-vivo experiments of a robot for ultrasound guidance and monitoring during radiotherapy. , 2015, 2015, 53-59.		12
79	Scene Modeling and Augmented Virtuality Interface for Telerobotic Satellite Servicing. IEEE Robotics and Automation Letters, 2018, 3, 4241-4248.	3.3	12
80	Precision Radiotherapy for Small Animal Research. Lecture Notes in Computer Science, 2008, 11, 619-626.	1.0	12
81	An image-directed robotic system for hip replacemetn surgery Journal of the Robotics Society of Japan, 1990, 8, 615-620.	0.0	11
82	A wide speed range and high precision position and velocity measurements chip with serial peripheral interface. The Integration VLSI Journal, 2008, 41, 297-305.	1.3	11
83	Safety Design View: A conceptual framework for systematic understanding of safety features of medical robot systems. , 2014, , .		11
84	Feasibility of photoacoustic image guidance for telerobotic endonasal transsphenoidal surgery. , 2016, , .		11
85	Leveraging vision and kinematics data to improve realism of biomechanic soft tissue simulation for robotic surgery. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 811-818.	1.7	11
86	An image-guided femoroplasty system: development and initial cadaver studies. Proceedings of SPIE, 2010, , .	0.8	10
87	A Computational Framework for Complementary Situational Awareness (CSA) in Surgical Assistant Robots. , 2018, , .		10
88	FPGA-Based Velocity Estimation for Control of Robots with Low-Resolution Encoders. , 2018, , .		10
89	Evaluation of Optical See-Through Head-Mounted Displays in Training for Critical Care and Trauma. , 2018, , .		10
90	A Reliable Gravity Compensation Control Strategy for dVRK Robotic Arms With Nonlinear Disturbance Forces. IEEE Robotics and Automation Letters, 2019, 4, 3892-3899.	3.3	10

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91	Virtual reality for synergistic surgical training and data generation. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2022, 10, 366-374.	1.3	10
92	A Deep Learning Approach to Intrinsic Force Sensing on the da Vinci Surgical Robot. , 2020, , .		10
93	Open Simulation Environment for Learning and Practice of Robot-Assisted Surgical Suturing. IEEE Robotics and Automation Letters, 2022, 7, 3843-3850.	3.3	10
94	Hybrid attitude estimation for laparoscopic surgical tools: A preliminary study. , 2009, 2009, 5583-6.		9
95	Robotic delivery of complex radiation volumes for small animal research. , 2010, 2010, 2056-2061.		9
96	Prioritization and static error compensation for multi-camera collaborative tracking in augmented reality. , 2017, , .		9
97	Improving the safety of telerobotic drilling of the skull base via photoacoustic sensing of the carotid arteries. , 2017, , .		9
98	Experimental Evaluation of Teleoperation Interfaces for Cutting of Satellite Insulation. , 2019, , .		9
99	FlexiVision: Teleporting the Surgeon's Eyes via Robotic Flexible Endoscope and Head-Mounted Display. , 2020, , .		9
100	Robust optical see-through head-mounted display calibration: Taking anisotropic nature of user interaction errors into account. , 2017, , .		8
101	Real-Time Image-Guided Telerobotic System Integrating 3D Slicer and the Da Vinci Research Kit. , 2017, , .		8
102	Cross-modal self-supervised representation learning for gesture and skill recognition in robotic surgery. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 779-787.	1.7	8
103	The Surgical Assistant Workstation (SAW) in Minimally-Invasive Surgery and Microsurgery. , 2010, , .		8
104	Interactive Planning and Supervised Execution for High-Risk, High-Latency Teleoperation. , 2020, , .		8
105	Collaborative Robotics Toolkit (CRTK): Open Software Framework for Surgical Robotics Research. , 2020, , .		8
106	Surgical navigation with a head-mounted tracking system and display. Studies in Health Technology and Informatics, 2013, 184, 363-9.	0.2	8
107	<title>Anatomy-based registration of CT-scan and x-ray fluoroscopy data for intraoperative guidance of a surgical robot</title> . , 1998, , .		7
108	An architecture for safe and efficient multi-threaded robot software. , 2008, , .		7

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109	Feasibility of transcranial photoacoustic imaging for interventional guidance of endonasal surgeries. Proceedings of SPIE, 2014, , .	0.8	7
110	Updating Virtual Fixtures From Exploration Data in Force-Controlled Model-Based Telemanipulation. , 2016, , .		7
111	Image-Based Trajectory Tracking Control of 4-DoF Laparoscopic Instruments Using a Rotation Distinguishing Marker. IEEE Robotics and Automation Letters, 2017, 2, 1586-1592.	3.3	7
112	Fiducial-based registration with a touchable region model. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 277-289.	1.7	7
113	Telerobotic Operation of Intensive Care Unit Ventilators. Frontiers in Robotics and AI, 2021, 8, 612964.	2.0	7
114	Development of an image-guided robot for small animal research. Computer Aided Surgery, 2007, 12, 357-365.	1.8	7
115	An Open-Source Hardware and Software Platform for Telesurgical Robotics Research. , 2013, , .		7
116	A multiprocessor system for real-time robotic control. Information Sciences, 1988, 44, 225-247.	4.0	6
117	A scalable system for real-time control of dexterous surgical robots. , 2009, , .		6
118	A modular Clinical Decision Support System Clinical prototype extensible into multiple clinical settings. , 2009, , .		6
119	Image guided complex dose delivery for small animal radiotherapy. , 2009, , .		6
120	Reduction of Interaction Space in Single Point Active Alignment Method for Optical See-Through Head-Mounted Display Calibration. , 2016, , .		6
121	Robotic system with multiplex power transmission for MRI-guided percutaneous interventions. , 2016, 2016, 5228-5232.		6
122	Modeling Physical Structure as Additional Constraints for Stereoscopic Optical See-Through Head-Mounted Display Calibration. , 2016, , .		6
123	A Framework for Customizable Multi-User Teleoperated Control. IEEE Robotics and Automation Letters, 2021, 6, 3256-3263.	3.3	6
124	A Progressive Cut Refinement Scheme for Revision Total Hip Replacement Surgery Using C-arm Fluoroscopy. Lecture Notes in Computer Science, 1999, , 1010-1019.	1.0	6
125	A distributed I/O low-level controller for highly-dexterous snake robots. , 2008, , .		5

Patient motion tracking in the presence of measurement errors. , 2009, 2009, 5563-6.

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127	Enabling technologies for natural orifice transluminal endoscopic surgery (N.O.T.E.S) using robotically guided elasticity imaging. Proceedings of SPIE, 2012, , .	0.8	5
128	Force-controlled ultrasound robot for consistent tissue pre-loading: Implications for acoustic radiation force elasticity imaging. , 2014, , .		5
129	Strategies and models for cutting satellite insulation in telerobotic servicing missions. , 2014, , .		5
130	Quantifying bone thickness, light transmission, and contrast interrelationships in transcranial photoacoustic imaging. Proceedings of SPIE, 2015, , .	0.8	5
131	Minimally invasive registration for computer-assisted orthopedic surgery: combining tracked ultrasound and bone surface points via the P-IMLOP algorithm. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 761-771.	1.7	5
132	Task frame estimation during model-based teleoperation for satellite servicing. , 2016, , .		5
133	An architectural approach to safety of component-based robotic systems. , 2016, , .		5
134	Experimental assessment of energy requirements and tool tip visibility for photoacoustic-guided endonasal surgery. , 2016, , .		5
135	Integration of a Low-Cost Three-Axis Sensor for Robot Force Control. , 2018, , .		5
136	An Iterative Framework for Improving the Accuracy of Intraoperative Intensity-Based 2D/3D Registration for Image-Guided Orthopedic Surgery. Lecture Notes in Computer Science, 2010, , 23-33.	1.0	5
137	Design and Validation of an Image-Guided Robot for Small Animal Research. Lecture Notes in Computer Science, 2006, 9, 50-57.	1.0	5
138	A Treatment Planning System for the Small Animal Radiation Research Platform (SARRP) based on 3D Slicer. , 2012, , .		5
139	A cooperatively-controlled image guided robot system for skull base surgery. Studies in Health Technology and Informatics, 2008, 132, 198-203.	0.2	5
140	AutoInFocus, a new paradigm for ultrasound-guided spine intervention: a multi-platform validation study. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 911-920.	1.7	5
141	Multi-kilohertz control of multiple robots via IEEE-1394 (firewire). , 2014, , .		4
142	Accuracy of a novel photoacoustic-based approach to surgical guidance performed with and without a da Vinci robot. , 2017, , .		4
143	dVRK-XR: Mixed Reality Extension for da Vinci Research Kit. , 2019, , .		4
144	Teleoperation and Visualization Interfaces for Remote Intervention in Space. Frontiers in Robotics and AI, 2021, 8, 747917.	2.0	4

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145	Designing and Developing Medical Device Software Systems Using the Model Driven Architecture (MDA). , 2007, , .		3
146	Proving the correctness of concurrent robot software. , 2012, , .		3
147	Fault Detection and Diagnosis for Component-based Robotic Systems. , 2012, , .		3
148	Modular Interoperability in Surgical Robotics Software. Mechanical Engineering, 2015, 137, S19-S22.	0.0	3
149	Parameter estimation and anomaly detection while cutting insulation during telerobotic satellite servicing. , 2015, , .		3
150	Interactive Navigation System in Mixed-Reality for Neurosurgery. , 2020, , .		3
151	Evaluation of Hybrid Control and Palpation Assistance for Situational Awareness in Telemanipulated Task Execution. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 31-43.	2.1	3
152	Learning Deep Nets for Gravitational Dynamics With Unknown Disturbance Through Physical Knowledge Distillation: Initial Feasibility Study. IEEE Robotics and Automation Letters, 2021, 6, 2658-2665.	3.3	3
153	Fusion of Inertial Sensing to Compensate for Partial Occlusions in Optical Tracking Systems. Lecture Notes in Computer Science, 2014, , 60-69.	1.0	3
154	MO-FG-CAMPUS-JeP3-04: Feasibility Study of Real-Time Ultrasound Monitoring for Abdominal Stereotactic Body Radiation Therapy. Medical Physics, 2016, 43, 3727-3727.	1.6	3
155	Interactive Training and Operation Ecosystem for Surgical Tasks in Mixed Reality. Lecture Notes in Computer Science, 2018, , 20-29.	1.0	3
156	Dose Painting with a Variable Collimator for the Small Animal Radiation Research Platform (SARRP). , 2014, , .		3
157	Robot Force Estimation with Learned Intraoperative Correction. , 2021, , .		3
158	SIERA: A Multiprocessor System For Robotics. , 1987, , .		2
159	Surgical Case Identification for an Image-Guided Interventional System. , 2010, , .		2
160	Toward practical semi-autonomous teleoperation: Do what i intend, not what i do. , 2011, , .		2
161	Particle filtering to improve the dynamic accuracy of electromagnetic tracking. , 2013, , .		2
162	Force control of a non-backdrivable robot without a force sensor. , 2013, , .		2

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163	An Ethernet to FireWire bridge for real-time control of the da Vinci Research Kit (dVRK). , 2015, , .		2
164	System integration. , 2020, , 861-891.		2
165	TH-B-224C-03: Robotically Assisted Needle Placement for Prostate Brachytherapy. Medical Physics, 2006, 33, 2264-2264.	1.6	2
166	Interactive OCT Annotation and Visualization for Vitreoretinal Surgery. Lecture Notes in Computer Science, 2013, , 142-152.	1.0	2
167	Transfer of learned dynamics between different surgical robots and operative configurations. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 903-910.	1.7	2
168	Learning Based Estimation of 7 DOF Instrument and Grasping Forces on the da Vinci Research Kit. , 2022, , .		2
169	Bridging 3D Slicer and ROS2 for Image-Guided Robotic Interventions. Sensors, 2022, 22, 5336.	2.1	2
170	Design of a scalable real-time robot controller and application to a dexterous manipulator. , 2011, , .		1
171	Bayesian filtering to improve the dynamic accuracy of electromagnetic tracking. , 2013, , .		1
172	In vivo reproducibility of robotic probe placement for an integrated US-CT image-guided radiation therapy system. , 2014, , .		1
173	Needle release mechanism enabling multiple insertions with an ultrasound-guided prostate brachytherapy robot. , 2017, 2017, 4339-4342.		1
174	Teleoperative control of intraocular robotic snake: Vision-based angular calibration. , 2017, , .		1
175	Fast Inverse Planning of Beam Directions and Weights for Small Animal Radiotherapy. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 215-222.	2.7	1
176	Model-based Design and Digital Implementation to Improve Control of the da Vinci Research Kit Telerobotic Surgical System. , 2021, , .		1
177	Visual Monitoring and Servoing of a Cutting Blade during Telerobotic Satellite Servicing. , 2020, , .		1
178	Learning Soft-Tissue Simulation from Models and Observation. , 2021, , .		1
179	Calibration of the treatment beam of the Small Animal Radiation Research Platform. , 2008, , .		0
180	Treatment planning and delivery of shell dose distribution for precision irradiation. Proceedings of SPIE, 2010, , .	0.8	0

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181	Decision support systems for robotic surgery and acute care. Proceedings of SPIE, 2012, , .	0.8	0
182	Event-based patient motion detection and compensation in image-guided robotics. , 2012, , .		0
183	Feasibility of a photoacoustic image guided telerobotic system for skull base surgery. , 2017, , .		0
184	SU-D-220-03: Inter- and Intra-Fraction Verification with Integrated On-Board Xray CBCT and 3D Ultrasound Imaging: A Feaibility Study. Medical Physics, 2011, 38, 3390-3390.	1.6	0
185	Component-based software for dynamic configuration and control of computer assisted intervention systems. , 2011, , .		0
186	Mobile Teleoperation: Feasibility of Wireless Wearable Sensing of the Operator's Arm Motion. , 2021, , .		0
187	A constrained optimization approach to virtual fixtures for multi-robot collaborative teleoperation. , 2011, , .		0
188	Evaluation of a Motion Measurement System for PET Imaging Studies. , 2022, , .		0