

Jay Carriere

List of Publications by Year in descending order

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16
papers

343
citations

1874746

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1336881

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g-index

18
all docs

18
docs citations

18
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous Prostate Segmentation in 2D B-Mode Ultrasound Images. Applied Sciences (Switzerland), 2022, 12, 2994.	1.3	0
2	Evaluating the impact of a novel telerehabilitation service to address neurological, musculoskeletal, or coronavirus disease 2019 rehabilitation concerns during the coronavirus disease 2019 pandemic. Digital Health, 2022, 8, 205520762211016.	0.9	4
3	Accurate Tissue Deformation Modeling Using a Kalman Filter and ADMM-Based Projective Dynamics. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2194-2203.	3.7	4
4	Admittance-Controlled Robotic Assistant for Fibula Osteotomies in Mandible Reconstruction Surgery. Advanced Intelligent Systems, 2021, 3, 2000158.	3.3	6
5	Case Report: Utilizing AI and NLP to Assist with Healthcare and Rehabilitation During the COVID-19 Pandemic. Frontiers in Artificial Intelligence, 2021, 4, 613637.	2.0	23
6	Intraoperative optimization of seed implantation plan in breast brachytherapy. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1027-1035.	1.7	1
7	Robotic Ultrasound Scanning With Real-Time Image-Based Force Adjustment: Quick Response for Enabling Physical Distancing During the COVID-19 Pandemic. Frontiers in Robotics and AI, 2021, 8, 645424.	2.0	23
8	Review: How Can Intelligent Robots and Smart Mechatronic Modules Facilitate Remote Assessment, Assistance, and Rehabilitation for Isolated Adults With Neuro-Musculoskeletal Conditions?. Frontiers in Robotics and AI, 2021, 8, 610529.	2.0	24
9	Evaluating Community-Facing Virtual Modalities to Support Complex Neurological Populations During the COVID-19 Pandemic: Protocol for a Mixed Methods Study. JMIR Research Protocols, 2021, 10, e28267.	0.5	3
10	Robotics, Smart Wearable Technologies, and Autonomous Intelligent Systems for Healthcare During the COVID-19 Pandemic: An Analysis of the State of the Art and Future Vision. Advanced Intelligent Systems, 2020, 2, 2000071.	3.3	204
11	Augmented Reality Guided Needle Biopsy of Soft Tissue: A Pilot Study. Frontiers in Robotics and AI, 2020, 7, 72.	2.0	4
12	An Admittance-Controlled Robotic Assistant for Semi-Autonomous Breast Ultrasound Scanning. , 2019, , .		19
13	Event-Triggered 3D Needle Control Using a Reduced-Order Computationally Efficient Bicycle Model in a Constrained Optimization Framework. Journal of Medical Robotics Research, 2019, 04, 1842004.	1.0	4
14	Surgeon-in-the-Loop 3-D Needle Steering Through Ultrasound-Guided Feedback Control. IEEE Robotics and Automation Letters, 2018, 3, 469-476.	3.3	6
15	Real-time needle shape prediction in soft-tissue based on image segmentation and particle filtering. , 2016, , .		12
16	Needle shape estimation in soft tissue based on partial ultrasound image observation. , 2015, , .		5