Kyle W Eastwood

List of Publications by Year
in descending order

14	175	1307594 7	1281871 11
papers	citations	h-index	g-index

14	14	14	204
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of a Contact-Aided Compliant Notched-Tube Joint for Surgical Manipulation in Confined Workspaces. Journal of Mechanisms and Robotics, 2018, 10, .	2.2	38
2	Miniaturized Instruments for the da Vinci Research Kit: Design and Implementation of Custom Continuum Tools. IEEE Robotics and Automation Magazine, 2017, 24, 24-33.	2.0	25
3	Kinetostatic design of asymmetric notch joints for surgical robots. , 2016, , .		21
4	Development of synthetic simulators for endoscope-assisted repair of metopic and sagittal craniosynostosis. Journal of Neurosurgery: Pediatrics, 2018, 22, 128-136.	1.3	21
5	Design, Modelling and Teleoperation of a 2Âmm Diameter Compliant Instrument for the da Vinci Platform. Annals of Biomedical Engineering, 2018, 46, 1437-1449.	2.5	14
6	Three-Dimensional Simulation of Collision-Free Paths for Combined Endoscopic Third Ventriculostomy and Pineal Region Tumor Biopsy. Operative Neurosurgery, 2016, 12, 231-238.	0.8	12
7	Application of a Nonlinear Hammerstein-Wiener Estimator in the Development and Control of a Magnetorheological Fluid Haptic Device for Robotic Bone Biopsy. Actuators, 2018, 7, 83.	2.3	11
8	A Steerable Neuroendoscopic Instrument Using Compliant Contact-Aided Joints and Monolithic Articulation. Journal of Medical Devices, Transactions of the ASME, 2020, 14, .	0.7	11
9	Design optimization of neuroendoscopic continuum instruments for third ventriculostomy and tumor biopsy. , 2015, 2015, 4853-6.		6
10	A Novel Instrument for Endoscopic Ear Surgery With a Steerable Flexible Tip. Otology and Neurotology, 2021, Publish Ahead of Print, e1683-e1690.	1.3	6
11	Design, prototype development and pre-clinical validation of a novel instrument with a compliant steerable tip to facilitate endoscopic ear surgery. Journal of Medical Engineering and Technology, 2021, 45, 22-34.	1.4	5
12	Development and control of a magnetorheological haptic device for robot assisted surgery. , 2017, 2017, 3926-3929.		2
13	Time Flow Study to Assess Opportunities to Improve Efficiency in Endoscopic Tympanoplasty. Journal of International Advanced Otology, 2021, 17, 288-293.	1.0	2
14	Visual design and verification tool for collision-free dexterous patient specific neurosurgical instruments. Proceedings of SPIE, 2016, , .	0.8	1