Hanif M Ladak

List of Publications by Year
in descending order

30 papers	596 citations	687363 13 h-index	610901 24 g-index
32 all docs	32 docs citations	32 times ranked	506 citing authors

#	Article	IF	Citations
1	Comprehensive metrics for evaluating surgical microscope use during tympanostomy tube placement. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1587-1594.	2.8	1
2	An Approach for Individualized Cochlear Frequency Mapping Determined From 3D Synchrotron Radiation Phase-Contrast Imaging. IEEE Transactions on Biomedical Engineering, 2021, 68, 3602-3611.	4.2	16
3	Estimation of the hyperelastic parameters of fresh human oropharyngeal soft tissues using indentation testing. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103798.	3.1	6
4	Assessment of a virtual reality temporal bone surgical simulator: a national face and content validity study. Journal of Otolaryngology - Head and Neck Surgery, 2020, 49, 17.	1.9	18
5	A Virtual-Reality Training Simulator for Cochlear Implant Surgery. Simulation and Gaming, 2019, 50, 243-258.	1.9	5
6	Estimation of the Young's moduli of fresh human oropharyngeal soft tissues using indentation testing. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 86, 352-358.	3.1	15
7	Sensitivity analysis of pars-tensa youngâ€™s modulus estimation using inverse finite-element modeling. AIP Conference Proceedings, 2018, , .	0.4	0
8	Automated Metrics in a Virtual-Reality Myringotomy Simulator: Development and Construct Validity. Otology and Neurotology, 2018, 39, e601-e608.	1.3	8
9	Evaluating a Serious Gaming Electronic Medication Administration Record System Among Nursing Students: Protocol for a Pragmatic Randomized Controlled Trial. JMIR Research Protocols, 2018, 7, e138.	1.0	9
10	Estimation of the Young's modulus of the human pars tensa using in-situ pressurization and inverse finite-element analysis. Hearing Research, 2017, 345, 69-78.	2.0	13
11	Blinded randomized controlled study of a web-based otoscopy simulator in undergraduate medical education. Laryngoscope, 2017, 127, 1306-1311.	2.0	12
12	Virtual Reality Simulator for Training in Myringotomy with Tube Placement. Journal of Medical and Biological Engineering, 2016, 36, 214-225.	1.8	9
13	Fiber Arrangement in the Rat Tympanic Membrane. Anatomical Record, 2016, 299, 1531-1539.	1.4	5
14	Face and content validity of a virtual-reality simulator for myringotomy with tube placement. Journal of Otolaryngology - Head and Neck Surgery, 2015, 44, 40.	1.9	26
15	Face and content validity of a novel, web-based otoscopy simulator for medical education. Journal of Otolaryngology - Head and Neck Surgery, 2015, 44, 7.	1.9	15
16	Estimation of the quasi-static Young's modulus of the eardrum using a pressurization technique. Computer Methods and Programs in Biomedicine, 2013, 110, 231-239.	4.7	11
17	Virtual reality myringotomy simulation with realâ€time deformation: Development and validity testing. Laryngoscope, 2012, 122, 1844-1851.	2.0	30
18	Interactive computer-based simulator for training in blade navigation and targeting in myringotomy. Computer Methods and Programs in Biomedicine, 2010, 98, 130-139.	4.7	27

#	Article	IF	Citations
19	Measuring the quasi-static Youngâ€™s modulus of the eardrum using an indentation technique. Hearing Research, 2010, 263, 168-176.	2.0	17
20	Development and face validity testing of a three-dimensional myringotomy simulator with haptic feedback. Journal of Otolaryngology - Head and Neck Surgery, 2010, 39, 122-9.	1.9	8
21	Deformable Model-Based Segmentation Of The Prostate From Ultrasound Images. , 2007, , 325-369.		0
22	Prostate boundary segmentation from ultrasound images using 2D active shape models: Optimisation and extension to 3D. Computer Methods and Programs in Biomedicine, 2006, 84, 99-113.	4.7	71
23	A geometrically nonlinear finite-element model of the cat eardrum. Journal of the Acoustical Society of America, 2006, 119, 2859-2868.	1.1	27
24	3D Prostate Boundary Segmentation From Ultrasound Images Using 2D Active Shape Models. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
25	Response of the cat eardrum to static pressures: Mobile versus immobile malleus. Journal of the Acoustical Society of America, 2004, 116, 3008-3021.	1.1	22
26	Testing and optimization of a semiautomatic prostate boundary segmentation algorithm using virtual operators. Medical Physics, 2003, 30, 1637-1647.	3.0	14
27	Effect of black blood MR image quality on vessel wall segmentation. Magnetic Resonance in Medicine, 2001, 46, 299-304.	3.0	17
28	Prostate boundary segmentation from 2D ultrasound images. Medical Physics, 2000, 27, 1777-1788.	3.0	144
29	Systematic errors in small deformations measured by use of shadow-moirÃ© topography. Applied Optics, 2000, 39, 3266.	2.1	12
30	Finiteâ€element modeling of the normal and surgically repaired cat middle ear. Journal of the Acoustical Society of America, 1996, 100, 933-944.	1.1	38