

# Hanif M Ladak

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Prostate boundary segmentation from 2D ultrasound images. <i>Medical Physics</i> , 2000, 27, 1777-1788.  | 3.0 | 144       |
| 2  | Prostate boundary segmentation from ultrasound images using 2D active shape models: Optimisation and extension to 3D. <i>Computer Methods and Programs in Biomedicine</i> , 2006, 84, 99-113.        | 4.7 | 71        |
| 3  | Finite-element modeling of the normal and surgically repaired cat middle ear. <i>Journal of the Acoustical Society of America</i> , 1996, 100, 933-944.  | 1.1 | 38        |
| 4  | Virtual reality myringotomy simulation with real-time deformation: Development and validity testing. <i>Laryngoscope</i> , 2012, 122, 1844-1851.   | 2.0 | 30        |
| 5  | A geometrically nonlinear finite-element model of the cat eardrum. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 2859-2868.   | 1.1 | 27        |
| 6  | Interactive computer-based simulator for training in blade navigation and targeting in myringotomy. <i>Computer Methods and Programs in Biomedicine</i> , 2010, 98, 130-139.                         | 4.7 | 27        |
| 7  | Face and content validity of a virtual-reality simulator for myringotomy with tube placement. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2015, 44, 40.                               | 1.9 | 26        |
| 8  | Response of the cat eardrum to static pressures: Mobile versus immobile malleus. <i>Journal of the Acoustical Society of America</i> , 2004, 116, 3008-3021.   | 1.1 | 22        |
| 9  | Assessment of a virtual reality temporal bone surgical simulator: a national face and content validity study. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2020, 49, 17.               | 1.9 | 18        |
| 10 | Effect of black blood MR image quality on vessel wall segmentation. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 299-304.   | 3.0 | 17        |
| 11 | Measuring the quasi-static Young's modulus of the eardrum using an indentation technique. <i>Hearing Research</i> , 2010, 263, 168-176.  | 2.0 | 17        |
| 12 | An Approach for Individualized Cochlear Frequency Mapping Determined From 3D Synchrotron Radiation Phase-Contrast Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 3602-3611. | 4.2 | 16        |
| 13 | Face and content validity of a novel, web-based otoscopy simulator for medical education. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2015, 44, 7.                                    | 1.9 | 15        |
| 14 | Estimation of the Young's moduli of fresh human oropharyngeal soft tissues using indentation testing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 86, 352-358.         | 3.1 | 15        |
| 15 | Testing and optimization of a semiautomatic prostate boundary segmentation algorithm using virtual operators. <i>Medical Physics</i> , 2003, 30, 1637-1647.  | 3.0 | 14        |
| 16 | Estimation of the Young's modulus of the human pars tensa using in-situ pressurization and inverse finite-element analysis. <i>Hearing Research</i> , 2017, 345, 69-78.                              | 2.0 | 13        |
| 17 | Systematic errors in small deformations measured by use of shadow-moiré topography. <i>Applied Optics</i> , 2000, 39, 3266.  | 2.1 | 12        |
| 18 | Blinded randomized controlled study of a web-based otoscopy simulator in undergraduate medical education. <i>Laryngoscope</i> , 2017, 127, 1306-1311.  | 2.0 | 12        |

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|----|--|-----|-----------|
| 19 | Estimation of the quasi-static Young's modulus of the eardrum using a pressurization technique. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 110, 231-239.                                    | 4.7 | 11        |
| 20 | Virtual Reality Simulator for Training in Myringotomy with Tube Placement. <i>Journal of Medical and Biological Engineering</i> , 2016, 36, 214-225.   | 1.8 | 9         |
| 21 | Evaluating a Serious Gaming Electronic Medication Administration Record System Among Nursing Students: Protocol for a Pragmatic Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2018, 7, e138. | 1.0 | 9         |
| 22 | Automated Metrics in a Virtual-Reality Myringotomy Simulator: Development and Construct Validity. <i>Otology and Neurotology</i> , 2018, 39, e601-e608.  | 1.3 | 8         |
| 23 | Development and face validity testing of a three-dimensional myringotomy simulator with haptic feedback. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2010, 39, 122-9.                         | 1.9 | 8         |
| 24 | Estimation of the hyperelastic parameters of fresh human oropharyngeal soft tissues using indentation testing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103798.        | 3.1 | 6         |
| 25 | Fiber Arrangement in the Rat Tympanic Membrane. <i>Anatomical Record</i> , 2016, 299, 1531-1539.   | 1.4 | 5         |
| 26 | A Virtual-Reality Training Simulator for Cochlear Implant Surgery. <i>Simulation and Gaming</i> , 2019, 50, 243-258.   | 1.9 | 5         |
| 27 | Comprehensive metrics for evaluating surgical microscope use during tympanostomy tube placement. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 1587-1594.              | 2.8 | 1         |
| 28 | Sensitivity analysis of pars-tensa young's modulus estimation using inverse finite-element modeling. <i>AIP Conference Proceedings</i> , 2018, , .   | 0.4 | 0         |
| 29 | Deformable Model-Based Segmentation Of The Prostate From Ultrasound Images. , 2007, , 325-369.   |     | 0         |
| 30 | 3D Prostate Boundary Segmentation From Ultrasound Images Using 2D Active Shape Models. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .            | 0.5 | 0         |