# Yingtian Pan

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## (1) Education

- 1993 - 1996 Postdoc: Medical Laser Center of Luebeck, Germany
- 1992 Ph.D. - National Laser Technology Laboratories, China
- 1988 M.Sc. - Huazhong University of Science and Technology, China
- 1985 B.Sc. - Huazhong University of Science and Technology, China

## (2) Research Interests

Current research of Dr. Pan's lab is focused on early-stage epithelial cancer detection, diagnosis of cartilage injury and repair, and assessment of engineering tissue growth. In addition, Dr. Pan's lab studies skin dehydration, geriatric incontinence, fluorescence imaging and light microscopy.

## (3) Citation

| Citation indices | All | Since 2013 |
|---|---|---|
| Citations | 3101 | 1118 |
| h-index | 29 | 20 |
| i10-index | 51 | 34 |

https://scholar.google.com/citations?user=P28vFGkAAAAJ&hl=en

## (4) Partial Publications

[1]. Pan, Y., Xie, H., & Fedder, G. K. (2001). Endoscopic optical coherence tomography based on a microelectromechanical mirror. Optics letters, 26(24), 1966-1968. (Cited by 398)

[2]. Pan, Y., Birngruber, R., Rosperich, J., & Engelhardt, R. (1995). Low-coherence optical tomography in turbid tissue: theoretical analysis. Applied optics, 34(28), 6564-6574. (Cited by 208)

[3]. Jain, A., Kopa, A., Pan, Y., Fedder, G. K., & Xie, H. (2004). A two-axis electrothermal micromirror for endoscopic optical coherence tomography. IEEE journal of selected topics in Quantum electronics, 10(3), 636-642. (Cited by 142)

[4]. Pan, Y., Li, Z., Xie, T., & Chu, C. R. (2003). Hand-held arthroscopic optical coherence tomography for in vivo high-resolution imaging of articular cartilage. Journal of biomedical optics, 8(4), 648-654. (Cited by 128)

[5]. Pan, Y., & Farkas, D. L. (1998). Non-invasive imaging of living human skin with dual-wavelength optical coherence tomography in two and three dimensions. Journal of biomedical optics, 3(4), 446-456. (Cited by 121)

[6]. Xie, T., Xie, H., Fedder, G. K., & Pan, Y. (2003). Endoscopic optical coherence tomography with a modified microelectromechanical systems mirror for detection of bladder cancers. Applied optics, 42(31), 6422-6426. (Cited by 112)

[7]. Chu, C. R., Lin, D., Geisler, J. L., Chu, C. T., Fu, F. H., & Pan, Y. (2004). Arthroscopic microscopy of articular cartilage using optical coherence tomography. The American journal of sports medicine, 32(3), 699-709.. (Cited by 111)

[8]. Xie, H., Pan, Y., & Fedder, G. K. (2003). A CMOS-MEMS mirror with curled-hinge comb drives. Journal of Microelectromechanical Systems, 12(4), 450-457. (Cited by 108)

[9]. Xie, H., Pan, Y., & Fedder, G. K. (2003). Endoscopic optical coherence tomographic imaging with a CMOS-MEMS micromirror. Sensors and actuators A: physical, 103(1), 237-241. (Cited by 106)

[10]. Pan, Y. T., Xie, T. Q., Du, C. W., Bastacky, S., Meyers, S., & Zeidel, M. L. (2003). Enhancing early bladder cancer detection with fluorescence-guided endoscopic optical coherent tomography. Optics letters, 28(24), 2485-2487. (Cited by 99)

[11]. Pan, Y., Lankenou, E., Welzel, J., Birngruber, R., & Engelhardt, R. (1996). Optical coherence-gated imaging of biological tissues. IEEE Journal of selected topics in Quantum Electronics, 2(4), 1029-1034. (Cited by 88)

[12]. Xie, T. Q., Zeidel, M. L., & Pan, Y. T. (2002). Detection of tumorigenesis in urinary bladder with optical coherence tomography: optical characterization of morphological changes. Optics express, 10(24), 1431-1443. (Cited by 81)

[13]. Pan, Y., Birngruber, R., & Engelhardt, R. (1997). Contrast limits of coherence-gated imaging in scattering media. Applied optics, 36(13), 2979-2983. (Cited by 80)