













- Klatzky, R., & Lederman, S. (1999). Tactile roughness perception with a rigid link interposed between skin and surface. *Attention, Perception, & Psychophysics*, *61*, 591–607.
- Lamoré, P. J. J., Muijser, H., & Keemink, C. J. (1986). Envelope detection of amplitude-modulated high-frequency sinusoidal signals by skin mechanoreceptors. *Journal of the Acoustical Society of America*, *79*, 1082–1085.
- Lee, E. H. (1956). Stress analysis in viscoelastic materials. *Journal of Applied Physics*, *27*, 665–672.
- Moore, T. J. (1970). A survey of the mechanical characteristics of skin and tissue in response to vibratory stimulation. *IEEE Transactions on Man-Machine Systems*, *11*, 79–84.
- Nakazawa, N., Ikeura, R., & Inooka, H. (2000). Characteristics of human fingertips in the shearing direction. *Biological Cybernetics*, *82*, 207–214.
- Pan, L., Zan, L., & Foster, F. (1997). In vivo high frequency ultrasound assessment of skin elasticity. In *Proceedings of the IEEE Ultrasonics Symposium* (pp. 1087–1091). volume 2.
- Pataky, T. C., Latash, M. L., & Zatsiorsky, V. M. (2005). Viscoelastic response of the finger pad to incremental tangential displacements. *Journal of Biomechanics*, *38*, 1441–1449.
- Pawluk, D. T. V., & Howe, R. D. (1999a). Dynamic contact of the human fingerpad against a flat surface. *Journal of Biomechanical Engineering*, *121*, 605–611.
- Pawluk, D. T. V., & Howe, R. D. (1999b). Dynamic lumped element response of the human fingerpad. *Transactions of the ASME*, *121*, 178–183.
- Serina, E., Mockensturm, E., Mote Jr, C. D., & Rempel, D. (1998). A structural model of the forced compression of the fingertip pulp. *Journal of Biomechanics*, *31*, 639–646.
- Serina, E. R., Mote, C. D., & Rempel, D. (1997). Force response of the fingertip pulp to repeated compression—effects of loading rate, loading angle and anthropometry. *Journal of Biomechanics*, *30*, 1035–1040.
- Silver, F. H., Freeman, J. W., & DeVore, D. (2001). Viscoelastic properties of human skin and processed dermis. *Skin Research and Technology*, *7*, 18–23.
- Srinivasan, M. A. (1989). Surface deflection of primate fingertip under line load. *Journal of Biomechanics*, *22*, 343–349.
- Tada, M., & Pai, D. (2008). Finger shell: Predicting finger pad deformation under line loading. In *Proceedings of the Symposium on Haptic Interfaces for Virtual Environments and Teleoperator Systems* (pp. 107–112).
- Wang, Q., & Hayward, V. (2007). In vivo biomechanics of the fingerpad skin under local tangential traction. *Journal of Biomechanics*, *40*, 851–860.
- Wiertelwski, M., & Hayward, V. (2012). Transducer for mechanical impedance testing over a wide frequency range through active feedback. *Review of Scientific Instruments*, in press.
- Wiertelwski, M., Hudin, C., & Hayward, V. (2011a). On the 1/f noise and non-integer harmonic decay of the interaction of a finger sliding on flat and sinusoidal surfaces. In *Proceedings of World Haptics Conference 2011* (pp. 25–30).
- Wiertelwski, M., Lozada, J., & Hayward, V. (2011b). The spatial spectrum of tangential skin displacement can encode tactual texture. *IEEE Transactions on Robotics*, *27*, 461–472.
- Wu, J. Z., Welcome, D. E., Krajnak, K., & Dong, R. G. (2007). Finite element analysis of the penetrations of shear and normal vibrations into the soft tissues in a fingertip. *Medical Engineering & Physics*, *29*, 718–727.