

Prof. Roberto Merletti, Ph.D.
Complete list of publications, November 2022

Publications: Books and Chapters of Books

1. Hermens H., Freriks B., Merletti R., Stegeman D., Blok J., Rau G., Disselhorst-Klug C., Hagg G., European Recommendations for Surface Electromyography, RRD publish. ISBN 90-75452-15-2, 1999.
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3. Merletti (editor) , Elementi di elettromiografia di superficie, Coop. Lib. Univ. Torinese (CLUT), ISBN 88-7922-153-3, 2000
4. Pozzo M., Farina D., Merletti R., Electromyography: detection, processing and applications, in: Handbook of biomedical technology and devices, J. E. Moore (ed.), CRC Press, 2003
5. Farina D., Filligoi G.C., Merletti R., Analisi di segnali EMG di superficie per lo studio del controllo motorio. In "Bioingegneria della postura e del movimento" Cappello A., Cappelozzo A., di Prampero P.E. (Eds.), Patron Editore (Pub.), pp. 281-306, 2003
6. Merletti R., Medicina del lavoro: valutazioni tramite EMG di superficie. In "Bioingegneria della postura e del movimento" Cappello A., Cappelozzo A., di Prampero P.E. (Eds.), Patron Editore (Pub.), pp. 495-510, 2003
7. Merletti R., Marchetti M., Contardo V., Veronica M., Applicazioni dell'EMG di superficie in riabilitazione sportiva, cap. 4.7 del testo "La Spalla e lo Sport", Masson,
8. Merletti R., Parker P.A. (edts.), Electromyography: Physiology, engineering and non invasive applications, IEEE Press / J Wiley, USA, 2004
9. Barbero M., Rainoldi A, Merletti R. Atlas of muscle innervation zones: understanding surface EMG and its applications, Springer, Italy 2012, ISBN 978-88-470-2462-5
10. Merletti R, Farina D. (edts) Surface Electromyography: physiology, engineering and applications, IEEE Press / J Wiley, USA, May 2016
11. Merletti R., Pelvic floor EMG: principles, technique and applications, Ch 7 of " Childbirth related pelvic floor dysfunctions", Springer 2016.
12. Merletti R., Campanini I., Rymer W.Z., Disselhorst-Klug C., (editors), Surface electromyography: barriers limiting widespread use of sEMG in clinical assessment and neurorehabilitation. Open Access e-book. Frontiers in neurology/Neurorehabilitation, 2021 doi: 10.3389/978-2-88966-616-4

Publications in peer-reviewed journals

1. Merletti R, V. Kirilkuc, E. Corson, S. Corson, D. Patel, Instrumentation for the maintenance of an open loop condition in the body fluid volume control system of small laboratory animals and for the automatic recording of urine flow and conductivity during antidiuretic hormone bioassay, *Med. and Biol. Eng.*, v. 11, pg. 480-488, 1972.
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3. Merletti R, R. Acimovic, S. Grobelnik, G. Cvilak, Electrophysiological orthosis of the upper extremity in hemiplegic patients: feasibility study, *Arch. of Phys. Med. and Rehab.*, v. 56, pg. 507-513, 1975.
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