

1. Record Nr.	UNINA9910158724503321
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Titolo	Human Muscular Function during Dynamic Exercise : : 5th International Symposium on Exercise and Sport Biology, Nice, February 1995 // editors, P. Marconnet, B. Saltin, P. Komi, J. Poortmans
Pubbl/distr/stampa	Basel : , : S. Karger, , 1996
ISBN	9783318039559 3318039551
Edizione	[1st ed.]
Descrizione fisica	1 online resource (VIII + 152 pages) : : 57 figures, 7 tables
Collana	Issn Series
Altri autori (Persone)	MarconnetP (Pierre)
Disciplina	612/044
Soggetti	Sports Medicine Social Medicine Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	During exercise and training, muscular function plays a central role, not only in how we perform but also in how we respond physiologically to a variety of strains. Although muscular function has been frequently investigated in animal models, it has rarely been fully examined under the conditions of human locomotion. This book brings together newly acquired information from a wide range of experiments showing for the first time exactly how human muscles respond and perform during physical activity. Four key sections present readers with an excellent source of knowledge on muscle energetics, efficiency, adaptation, and fatigue and damage. Among the many topics discussed, it examines the ability of humans to sustain and generate mechanical power output during human locomotion and looks at how body mass and other factors influence the mechanics of distance running. It will become a lasting reference for sport scientists, coaches, physicians and athletes.