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| 1. Record Nr. | UNINA9910218860203321 |
| Autore | Clarke, Robin |
| Titolo | Technological self-sufficiency / by Robin Clarke ; with illustrations by Janine Clarke |
| Pubbl/distr/stampa | London : Faber & Faber, 1976 |
| ISBN | 0.571.11057.6 |
| Descrizione fisica | 302 p. : ill. ; 22 cm |
| Collana | Faber Paperbacks |
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| Collocazione | NN 94 |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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| 2. Record Nr. | UNINA9910299687003321 |
| Autore | Mokhlesabadifarahani Bit |
| Titolo | EMG Signals Characterization in Three States of Contraction by Fuzzy Network and Feature Extraction / / by Bit Mokhlesabadifarahani, Vinit Kumar Gunjan |
| Pubbl/distr/stampa | Singapore : , : Springer Singapore : , : Imprint : Springer, , 2015 |
| ISBN | 981-287-320-1 |
| Edizione | [1st ed. 2015.] |
| Descrizione fisica | 1 online resource (43 p.) |
| Collana | SpringerBriefs in Forensic and Medical Bioinformatics, , 2196-8845 |
| Disciplina | 502.85
570285
610.28
614.1
616.7
617.03
620
621.3848 |
| Soggetti | Biomedical engineering
Orthopedics
Forensic sciences
Bioinformatics
Medical informatics |

Rehabilitation
Biomedical Engineering and Bioengineering
Forensic Science
Computational Biology/Bioinformatics
Health Informatics

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction to EMG Technique and Feature Extraction -- Methodology for working with EMG dataset -- Results -- Conclusions and Inferences of Present Study.
Sommario/riassunto	Neuro-muscular and musculoskeletal disorders and injuries highly affect the life style and the motion abilities of an individual. This brief highlights a systematic method for detection of the level of muscle power declining in musculoskeletal and Neuro-muscular disorders. The neuro-fuzzy system is trained with 70 percent of the recorded Electromyography (EMG) cut off window and then used for classification and modeling purposes. The neuro-fuzzy classifier is validated in comparison to some other well-known classifiers in classification of the recorded EMG signals with the three states of contractions corresponding to the extracted features. Different structures of the neuro-fuzzy classifier are also comparatively analyzed to find the optimum structure of the classifier used.