Contents

Review

Norazam Aliman, Rizauddin Ramli and Mohammad Soleimani Amiri
Actuators and transmission mechanisms in rehabilitation lower limb exoskeletons: a review — 327

Research Articles

Jan Heibeyn, Mark Witte, Sebastian Billig, Matthias Schweizer, Armin Janß and Klaus Radermacher
Ergonomic RFID tag placement on surgical instruments – a preliminary user study — 347

Malèke Zidi, Foued Khoffi, Elise Girault, Antoinette Eidenschenk, Romain Barbet, Abdel Tazibt, Fréderic Heim and Slah Msahli
Medical textile implants: hybrid fibrous constructions towards improved performances — 355

Hamid Reza Sameni, Samaneh Arab, Nesa Doostmohammadi and Marjan Bahraminasab
Effect of calcium phosphate/bovine serum albumin coated Al₂O₃–Ti biocomposites on osteoblast response — 367

Lin Ma, Junjie Wang, Shu Gong, Libin Lan, Li Geng, Siping Wang and Xin Feng
Self-supervised context-aware correlation filter for robust landmark tracking in liver ultrasound sequences — 383

Assessment of brain tumor detection techniques and recommendation of neural network — 395

Hazret Tekin and Yılmaz Kaya
A new approach for heart disease detection using Motif transform-based CWT’s time-frequency images with DenseNet deep transfer learning methods — 407

Onur Kocak, Cansel Ficici, Hikmet Firat and Ziya Telatar
Structural EEG signal analysis for sleep apnea classification — 419