1. Record Nr.	UNINA9910349442603321
Titolo	VipIMAGE 2019 : Proceedings of the VII ECCOMAS Thematic Conference on Computational Vision and Medical Image Processing, October 16–18, 2019, Porto, Portugal / / edited by João Manuel R. S. Tavares, Renato Manuel Natal Jorge
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-32040-5
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XXII, 706 p. 390 illus., 290 illus. in color.)
Collana	Lecture Notes in Computational Vision and Biomechanics, , 2212-9391 ; ; 34
Disciplina	610.28 616.0754
Soggetti	Biomedical engineering Optical data processing Signal processing Image processing Speech processing systems Biomedical Engineering/Biotechnology Biomedical Engineering and Bioengineering Image Processing and Computer Vision Signal, Image and Speech Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Colonic Polyp Identification Using Pareto Depth Anomaly Detection Algorithm -- Comparative Study of Dermoscopic Hair Removal Methods -- Lower Limb Joint Angle Coordination Assessment at Sagittal Plane on Human Vertical Countermovement -- Biometric Identication Based on Forearm Vein Pattern -- Cross Recurrence Quantitative Analysis of Functional Magnetic Resonance Imaging -- Automatic Segmentation and Delineation of Intervertebral Discs on Lumbar Spine MR Images -- A Hybrid Approach For Breast Mass Categorization -- Skin Disease Diagnosis from Photographs Using Deep Learning -- Prediction of the Child's Head Growth in the First Year of Life -- Influence of Mutual

Rotation of Polarizing Filters on Light Intensity Measured With Collagen Fibres -- Automatic Extraction of Marbling Measures Using Image Analysis, for Evaluation of Beef Quality -- Layer Thickness Evaluation Between Medical Imaging and Additive Manufacturing. .

Sommario/riassunto	This book gathers full papers presented at the VipIMAGE 2019—VII ECCOMAS Thematic Conference on Computational Vision and Medical Image Processing—held on October 16-18, 2019, in Porto, Portugal. It discusses cutting-edge methods, findings, and applications related to 3D vision, bio- and medical imaging, computer-aided diagnosis, image enhancement, image processing and analysis, virtual reality, and also describes in detail advanced image analysis techniques, such as image segmentation and feature selection, as well as statistical and geometrical modeling. The book provides both researchers and professionals with extensive and timely insights into advanced imaging techniques for various application purposes.