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Non-contact video-based vital sign monitoring using ambient light and auto-regressive models

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| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 359 | Waveguides and Cavities. 2009 , | | |
| 358 | Analysis and Design of an Optimally Coupled 5GHz Quadrature LC Oscillator. 2009, | | |
| 357 | Wearable Photoplethysmographic Sensors P ast and Present. 2014 , 3, 282-302 | | 411 |
| 356 | Recovering pulse rate during motion artifact with a multi-imager array for non-contact imaging photoplethysmography. 2014 , | | 38 |
| 355 | The Effect of Light Conditions on Photoplethysmographic Image Acquisition Using a Commercial Camera. 2014 , 2, 1800811 | | 11 |
| 354 | Real-time estimation of respiratory rate from a photoplethysmogram using an adaptive lattice notch filter. 2014 , 13, 170 | | 15 |
| 353 | Remote assessment of physiological parameters by non-contact technologies to quantify and detect mental stress states. 2014 , | | 4 |
| 352 | Continuous non-contact vital sign monitoring in neonatal intensive care unit. 2014 , 1, 87-91 | | 106 |
| 351 | New technologies in the management of risk and violence in forensic settings. 2015 , 20, 287-94 | | 6 |
| 350 | Medical imaging in heterogeneous telemedicine network. 2015, | | 1 |
| 349 | A novel method based on two cameras for accurate estimation of arterial oxygen saturation. 2015 , 14, 52 | | 8 |
| 348 | Martin Black award for the best paper published in 2014. <i>Physiological Measurement</i> , 2015 , 36, 2215-6 | 2.9 | |
| 347 | A new look at the essence of the imaging photoplethysmography. 2015 , 5, 10494 | | 121 |
| 346 | Bayesian fusion of algorithms for the robust estimation of respiratory rate from the photoplethysmogram. 2015 , 2015, 6138-41 | | 4 |
| 345 | A motion-robust contactless photoplethysmography using chrominance and adaptive filtering. 2015 , | | 7 |
| 344 | Pulse rate variability analysis by video using face detection and tracking algorithms. 2015 , 2015, 5696-9 | ł | 1 |
| 343 | Heart rate measurement based on face video sequence. 2015, | | |

(2016-2015)

| <i>Express</i> , 2015 , 6, 2895-907 | 28 |
|--|--|
| Non-contact measurement of oxygen saturation with an RGB camera. <i>Biomedical Optics Express</i> , 2015 , 6, 3320-38 | 84 |
| Dynamic ROI based on K-means for remote photoplethysmography. 2015, | 5 |
| Image-based heart rate measurement based on multiple regression. 2015 , | |
| Improved heart rate detection for camera-based photoplethysmography by means of Kalman filtering. 2015 , | 7 |
| A survey of remote optical photoplethysmographic imaging methods. 2015 , 2015, 6398-404 | 92 |
| Non-contact estimation of heart rate and oxygen saturation using ambient light. <i>Biomedical Optics Express</i> , 2015 , 6, 86-97 | 58 |
| Camera-Based, Non-Contact, Vital-Signs Monitoring Technology May Provide a Way for the Early Prevention of SIDS in Infants. 2016 , 7, 236 | 11 |
| Employing an Incentive Spirometer to Calibrate Tidal Volumes Estimated from a Smartphone Camera. <i>Sensors</i> , 2016 , 16, | 6 |
| Monitoring of Heart and Breathing Rates Using Dual Cameras on a Smartphone. 2016 , 11, e0151013 | 57 |
| Accurate measurement of the pulse wave delay with imaging photoplethysmography. <i>Biomedical Optics Express</i> , 2016 , 7, 5138-5147 | 29 |
| Evaluation of measurement site for monitoring orthostatic pulse rate change. 2016, | 1 |
| Video monitoring of oxygen saturation during controlled episodes of acute hypoxia. 2016 , 2016, 4747-4750 | 1 |
| Modular continuous wavelet processing of biosignals: extracting heart rate and oxygen saturation from a video signal. 2016 , 3, 111-5 | 5 |
| Distant Measurement of Plethysmographic Signal in Various Lighting Conditions Using Configurable Frame-Rate Camera. 2016 , 23, 579-592 | 15 |
| Real-Time Physiological Measurement and Visualization Using a Synchronized Multi-camera System. 2016 , | 13 |
| New principle for measuring arterial blood oxygenation, enabling motion-robust remote monitoring. 2016 , 6, 38609 | 39 |
| Peripheral vasomotor activity assessment using a continuous wavelet analysis on webcam photoplethysmographic signals. 2016 , 27, 527-538 | 12 |
| | Non-contact measurement of oxygen saturation with an RCB camera. Biomedical Optics Express, 2015, 6, 3320-38 Dynamic ROI based on K-means for remote photoplethysmography. 2015, Image-based heart rate measurement based on multiple regression. 2015, Improved heart rate detection for camera-based photoplethysmography by means of Kalman filtering. 2015, A survey of remote optical photoplethysmographic imaging methods. 2015, 2015, 6398-404 Non-contact estimation of heart rate and oxygen saturation using ambient light. Biomedical Optics Express, 2015, 6, 86-97 Camera-Based, Non-Contact, Vital-Signs Monitoring Technology May Provide a Way for the Early Prevention of SIDS in Infants. 2016, 7, 236 Employing an Incentive Spirometer to Calibrate Tidal Volumes Estimated from a Smartphone Camera. Sensors, 2016, 16, Monitoring of Heart and Breathing Rates Using Dual Cameras on a Smartphone. 2016, 11, e0151013 Accurate measurement of the pulse wave delay with imaging photoplethysmography. Biomedical Optics Express, 2016, 7, 5138-5147 Evaluation of measurement site for monitoring orthostatic pulse rate change. 2016, Video monitoring of oxygen saturation during controlled episodes of acute hypoxia. 2016, 2016, 4747-4750 Modular continuous wavelet processing of biosignals: extracting heart rate and oxygen saturation from a video signal. 2016, 3, 111-5 Distant Measurement of Plethysmographic Signal in Various Lighting Conditions Using Configurable Frame-Rate Camera. 2016, 23, 579-592 Real-Time Physiological Measurement and Visualization Using a Synchronized Multi-camera System. 2016, 6, 38609 Peripheral vasomotor activity assessment using a continuous wavelet analysis on webcam |

| 324 | Camera-based photoplethysmography in critical care patients. 2016, 64, 77-90 | | 24 |
|-----|--|-----|-----|
| 323 | Quality metric for camera-based pulse rate monitoring in fitness exercise. 2016 , | | 11 |
| 322 | Blood pressure estimation using video plethysmography. 2016 , | | 18 |
| 321 | Secondary Analysis of Electronic Health Records. 2016, | | 27 |
| 320 | Signal fusion based on intensity and motion variations for remote heart rate determination. 2016, | | 9 |
| 319 | Frequency-response-based analysis of respiratory sensor measuring capacitance built across skin. 2016 , 55, 04EM13 | | 2 |
| 318 | Remote monitoring of the cardiac rhythm: where do we stand today?. 2016 , 2, 168-175 | | 2 |
| 317 | Remote monitoring of camera based respiration rate estimated by using occlusion of dot pattern. 2016 , | | 1 |
| 316 | Blood pulsation measurement using cameras operating in visible light: limitations. 2016 , 15, 111 | | 4 |
| 315 | Initial evaluation of prospective cardiac triggering using photoplethysmography signals recorded with a video camera compared to pulse oximetry and electrocardiography at 7T MRI. 2016 , 15, 126 | | 13 |
| 314 | A Novel Algorithm for Remote Photoplethysmography: Spatial Subspace Rotation. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1974-1984 | 5 | 139 |
| 313 | Introducing Contactless Blood Pressure Assessment Using a High Speed Video Camera. 2016 , 40, 77 | | 67 |
| 312 | Face-Based Heart Rate Signal Decomposition and Evaluation Using Multiple Linear Regression. 2016 , 16, 1351-1360 | | 32 |
| 311 | An upgraded camera-based imaging system for mapping venous blood oxygenation in human skin tissue. 2016 , 370, 276-282 | | 1 |
| 310 | Video-based respiration monitoring with automatic region of interest detection. <i>Physiological Measurement</i> , 2016 , 37, 100-14 | 2.9 | 51 |
| 309 | Image-Based Motion-Tolerant Remote Respiratory Rate Evaluation. 2016 , 16, 3263-3271 | | 19 |
| 308 | Long-range non-contact imaging photoplethysmography: cardiac pulse wave sensing at a distance. 2016 , | | 3 |
| 307 | Towards the Development of a Mobile Phonopneumogram: Automatic Breath-Phase Classification Using Smartphones. 2016 , 44, 2746-59 | | 13 |

| 306 | Noncontact Monitoring of Blood Oxygen Saturation Using Camera and Dual-Wavelength Imaging System. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1091-8 | 61 |
|-----|--|----|
| 305 | Tidal Volume and Instantaneous Respiration Rate Estimation using a Volumetric Surrogate Signal Acquired via a Smartphone Camera. 2017 , 21, 764-777 | 50 |
| 304 | Noncontact Vision-Based Cardiopulmonary Monitoring in Different Sleeping Positions. 2017 , 21, 1367-1375 | 38 |
| 303 | Unobtrusive sleep state measurements in preterm infants - A review. 2017 , 32, 109-122 | 51 |
| 302 | Assessment of blind source separation techniques for video-based cardiac pulse extraction. 2017 , 22, 35002 | 15 |
| 301 | Low-cost fiber specklegram sensor for noncontact continuous patient monitoring. 2017 , 22, 37001 | 19 |
| 300 | Living-Skin Classification via Remote-PPG. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 2781-2792 | 20 |
| 299 | Robust heart rate from fitness videos. <i>Physiological Measurement</i> , 2017 , 38, 1023-1044 2.9 | 63 |
| 298 | Unobtrusive acquisition of cardiorespiratory signals. 2017 , 21, 93-100 | 13 |
| 297 | Core Topics in Obstetric Anesthesia. 2017 , 124, 2083 | |
| 296 | Video-Based Physiologic Monitoring During an Acute Hypoxic Challenge: Heart Rate, Respiratory Rate, and Oxygen Saturation. 2017 , 125, 860-873 | 15 |
| 295 | Continuous Ropivacaine Subfascial Wound Infusion Compared With Intrathecal Morphine for Postcesarean Analgesia: A Prospective, Randomized Controlled, Double-Blind Study. 2017 , 125, 907-912 | 25 |
| 294 | Automatic Selection of Webcam Photoplethysmographic Pixels Based on Lightness Criteria. 2017 , 37, 374-385 | 15 |
| 293 | Red Cell Transfusion-Associated Hemolysis in Cardiac Surgery: An Observational Cohort Study. 2017 , 124, 1986-1991 | 8 |
| 292 | Application of the Novel Ventilation Mode FLow-Controlled EXpiration (FLEX): A Crossover Proof-of-Principle Study in Lung-Healthy Patients. 2017 , 125, 1246-1252 | 21 |
| 291 | Why Is It Surprising That Emotional Intelligence Matters?. 2017 , 124, 1738 | |
| | | |
| 290 | Exercise Combined With Ultrasound Attenuates Neuropathic Pain in Rats Associated With Downregulation of IL-6 and TNF-[but With Upregulation of IL-10. 2017 , 124, 2038-2044 | 22 |

| 288 | Extraction of respiratory signals from the electrocardiogram and photoplethysmogram: technical and physiological determinants. <i>Physiological Measurement</i> , 2017 , 38, 669-690 | 2.9 | 63 |
|---|---|-----|-----------------------------|
| 287 | Toward a Robust Estimation of Respiratory Rate From Pulse Oximeters. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 1914-1923 | 5 | 101 |
| 286 | Make vital signs great again - A call for action. 2017 , 45, 13-19 | | 32 |
| 285 | HHT-based remote respiratory rate estimation in thermal images. 2017, | | 1 |
| 284 | Monitoring of Overhead Transmission Lines: A Review from the Perspective of Contactless Technologies. 2017 , 18, 1 | | 16 |
| 283 | Monitoring of Cardiorespiratory Signal: Principles of Remote Measurements and Review of Methods. 2017 , 5, 15776-15790 | | 55 |
| 282 | Machine Learning Models for Multidimensional Clinical Data. 2017 , 177-216 | | 7 |
| 281 | Wearable technology: role in respiratory health and disease. 2017 , 13, e27-e36 | | 105 |
| 280 | Simultaneous Tracking of Cardiorespiratory Signals for Multiple Persons Using a Machine Vision System With Noise Artifact Removal. 2017 , 5, 1900510 | | 14 |
| | | | |
| 279 | Multi-Task Convolutional Neural Network for Patient Detection and Skin Segmentation in Continuous Non-Contact Vital Sign Monitoring. 2017 , | | 35 |
| ²⁷⁹ ²⁷⁸ | | | 35 17 |
| _ | Continuous Non-Contact Vital Sign Monitoring. 2017, | | |
| 278 | Continuous Non-Contact Vital Sign Monitoring. 2017, . 2017, | | 17 |
| 278 277 | Continuous Non-Contact Vital Sign Monitoring. 2017, . 2017, Non-Contact Monitoring of Respiration in the Neonatal Intensive Care Unit. 2017, Illumination Variation-Resistant Video-Based Heart Rate Measurement Using Joint Blind Source | | 17 |
| 278 277 276 | Continuous Non-Contact Vital Sign Monitoring. 2017, . 2017, Non-Contact Monitoring of Respiration in the Neonatal Intensive Care Unit. 2017, Illumination Variation-Resistant Video-Based Heart Rate Measurement Using Joint Blind Source Separation and Ensemble Empirical Mode Decomposition. 2017, 21, 1422-1433 | 5 | 17 18 55 |
| 278 277 276 275 | Continuous Non-Contact Vital Sign Monitoring. 2017, . 2017, Non-Contact Monitoring of Respiration in the Neonatal Intensive Care Unit. 2017, Illumination Variation-Resistant Video-Based Heart Rate Measurement Using Joint Blind Source Separation and Ensemble Empirical Mode Decomposition. 2017, 21, 1422-1433 Video-based human heart rate measurement using joint blind source separation. 2017, 31, 309-320 | 5 | 17 18 55 46 |
| 278277276275274 | Continuous Non-Contact Vital Sign Monitoring. 2017, . 2017, Non-Contact Monitoring of Respiration in the Neonatal Intensive Care Unit. 2017, Illumination Variation-Resistant Video-Based Heart Rate Measurement Using Joint Blind Source Separation and Ensemble Empirical Mode Decomposition. 2017, 21, 1422-1433 Video-based human heart rate measurement using joint blind source separation. 2017, 31, 309-320 Algorithmic Principles of Remote PPG. IEEE Transactions on Biomedical Engineering, 2017, 64, 1479-1491 | | 17 18 55 46 279 |

270 Self-oscillatory operation mode of atmospheric-pressure plasma jet. **2017**,

| 269 | Estimating vital signs through non-contact video-based approaches: A survey. 2017, | 3 |
|-----|---|-----|
| 268 | An evaluation study of vital parameter determination with RGB cameras in the field of ambient assisted living. 2017 , 3, 729-733 | 0 |
| 267 | Fusing Partial Camera Signals for Noncontact Pulse Rate Variability Measurement. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 1725-1739 | 16 |
| 266 | Pulse rate estimation using imaging photoplethysmography: generic framework and comparison of methods on a publicly available dataset. 2018 , 4, 045001 | 34 |
| 265 | Breathing Rate Estimation From the Electrocardiogram and Photoplethysmogram: A Review. 2018 , 11, 2-20 | 128 |
| 264 | Video-based heart rate monitoring across a range of skin pigmentations during an acute hypoxic challenge. 2018 , 32, 871-880 | 10 |
| 263 | Remote photoplethysmography with constrained ICA using periodicity and chrominance constraints. 2018 , 17, 22 | 22 |
| 262 | Remote Optical Cardiopulmonary Signal Extraction With Noise Artifact Removal, Multiple Subject Detection & Long-Distance. 2018 , 6, 11573-11595 | 18 |
| 261 | Block-based adaptive ROI for remote photoplethysmography. 2018 , 77, 6503-6529 | 12 |
| 260 | Signal Quality Assessment in Physiological Monitoring: Requirements, Practices and Future Directions. 2018 , 1-14 | 4 |
| 259 | Quality Assessment for the Photoplethysmogram (PPG). 2018 , 41-63 | 2 |
| 258 | Seamless Healthcare Monitoring. 2018, | 9 |
| 257 | Photoplethysmogram. 2018 , 159-192 | 3 |
| 256 | Images and chocolate stimuli affect physiological and affective responses of consumers: A cross-cultural study. 2018 , 65, 60-71 | 41 |
| 255 | Non-contact measurement of heart response reflected in human eye. 2018 , 123, 179-198 | 8 |
| 254 | Non-contact Heart Rate Monitoring by Combining Convolutional Neural Network Skin Detection and Remote Photoplethysmography via a Low-Cost Camera. 2018 , | 15 |
| 253 | A Novel Framework for Remote Photoplethysmography Pulse Extraction on Compressed Videos. 2018 , | 14 |

Video-Based Measurement of Physiological Parameters Using Peak-to-Valley Method for Minimization of Initial Dead Zone. **2018**,

| 251 | Respiratory Rate Monitoring by Video Processing Using Local Motion Magnification. 2018, | | 8 |
|-----|--|-----|----|
| 250 | Direct-Global Separation for Improved Imaging Photoplethysmography. 2018, | | 2 |
| 249 | TEMS-ISIE 2018 Committees. 2018 , | | |
| 248 | InPhysible: Camouflage Against Video-Based Physiological Measurement. 2018 , 2018, 5784-5789 | | 1 |
| 247 | Towards Human Pulse Rate Estimation from Face Video: Automatic Component Selection and Comparison of Blind Source Separation Methods. 2018 , | | 3 |
| 246 | Validation of Instantaneous Respiratory Rate Using Reflectance PPG from Different Body Positions. <i>Sensors</i> , 2018 , 18, | 3.8 | 17 |
| 245 | Infrared Camera-Based Non-contact Measurement of Brain Activity From Pupillary Rhythms. <i>Frontiers in Physiology</i> , 2018 , 9, 1400 | 4.6 | 9 |
| 244 | Using the Hilbert-Huang transform to increase the robustness of video based remote heart-rate measurement from human faces. 2018 , | | О |
| 243 | Local Group Invariance for Heart Rate Estimation from Face Videos in the Wild. 2018, | | 13 |
| 242 | Remote Heart Rate Measurement from RGB-NIR Video Based on Spatial and Spectral Face Patch Selection. 2018 , 2018, 5676-5680 | | 11 |
| 241 | Estimating carotid pulse and breathing rate from near-infrared video of the neck. <i>Physiological Measurement</i> , 2018 , 39, 10NT01 | 2.9 | 7 |
| 240 | Continuous Monitoring of Respiratory Rate in Emergency Admissions: Evaluation of the RespiraSensel ensor in Acute Care Compared to the Industry Standard and Gold Standard. <i>Sensors</i> , 2018 , 18, | 3.8 | 24 |
| 239 | Contactless Monitoring of Breathing Patterns and Respiratory Rate at the Pit of the Neck: A Single Camera Approach. 2018 , 2018, 1-13 | | 45 |
| 238 | Unobtrusive Vital Sign Monitoring in Automotive Environments-A Review. Sensors, 2018, 18, | 3.8 | 57 |
| 237 | Rationale for Researching in DOB/OC-Based Rehabilitation Robots: Simulation Results. 2018, | | 1 |
| 236 | Ti/Al Multilayer Ohmic Contact To n-GaN On Sapphire. 2018 , | | |
| 235 | A Web-Based Solution for Mapping the Power Quality Level. 2018 , | | |

| 234 | Real-Time Robust Noncontact Heart Rate Monitoring With a Camera. 2018, 6, 33682-33691 | | 5 |
|-----|--|-----|----|
| 233 | Influence of image resolution on the performance of remote breathing rate measurement using thermal imaging technique. 2018 , 93, 63-69 | | 9 |
| 232 | Computer Vision for Ambient Assisted Living: Monitoring Systems for Personalized Healthcare and Wellness That Are Robust in the Real World and Accepted by Users, Carers, and Society. 2018 , 147-182 | | 7 |
| 231 | Monitoring of Cardiorespiratory Signals Using Thermal Imaging: A Pilot Study on Healthy Human Subjects. <i>Sensors</i> , 2018 , 18, | 3.8 | 16 |
| 230 | Noncontact heart rate measurement system on single board computer. 2018, | | 1 |
| 229 | A Comparative Survey of Methods for Remote Heart Rate Detection From Frontal Face Videos. 2018 , 6, 33 | | 38 |
| 228 | Estimation of HRV and SpO2 from wrist-worn commercial sensors for clinical settings. 2018, | | 10 |
| 227 | Improved sensor selection method during movement for breathing rate estimation with unobtrusive pressure sensor arrays. 2018 , | | 2 |
| 226 | Cardiovascular assessment by imaging photoplethysmography - a review. 2018 , 63, 617-634 | | 47 |
| 225 | Non-Contact Reflectance Photoplethysmography: Progress, Limitations, and Myths. 2018, | | 6 |
| 224 | VitalCamSet - a dataset for Photoplethysmography Imaging. 2019 , | | 1 |
| 223 | A New Approach for Noncontact Imaging Photoplethysmography Using Chrominance Features and Low-Rank in the IoT Operating Room. 2019 , 7, 112284-112294 | | 2 |
| 222 | ChimericalDataset Creation Protocol Based on : A Biometric Application with Face, Eye, and ECG. <i>Sensors</i> , 2019 , 19, | 3.8 | 5 |
| 221 | Contactless blood perfusion assessment of the free flap in breast reconstruction surgery. 2019 , | | O |
| 220 | Computer Vision, Imaging and Computer Graphics Theory and Applications. <i>Communications in Computer and Information Science</i> , 2019 , | 0.3 | |
| 219 | Monitoring breathing rate by fusing the physiological impact of respiration on video-photoplethysmogram with head movements. <i>Physiological Measurement</i> , 2019 , 40, 094002 | 2.9 | 4 |
| 218 | Characterization of the Aryl Hydrocarbon Receptor (AhR) Pathway in and Mechanistic Exploration of the Reduced Sensitivity of AhR2a. 2019 , 53, 12803-12811 | | 3 |
| 217 | Analysis of Factors on BVP Signal Extraction Based on Imaging Principle. 2019 , | | О |

| 216 | Cardio-respiratory signal extraction from video camera data for continuous non-contact vital sign monitoring using deep learning. <i>Physiological Measurement</i> , 2019 , 40, 115001 | 14 |
|-------------|--|----|
| 215 | iPhys: An Open Non-Contact Imaging-Based Physiological Measurement Toolbox. 2019 , 2019, 6521-6524 | 31 |
| 214 | Entertainment Computing and Serious Games. <i>Lecture Notes in Computer Science</i> , 2019 , 0.9 | 2 |
| 213 | Identification and Tracking of Physiological Parameters from Skin using Video Photoplethysmography. 2019 , 2019, 6822-6825 | 1 |
| 212 | Trends in animal welfare and veterinary informatics. 2019, | |
| 211 | Comparison of two methods for estimating respiratory waveforms from videos without contact. 2019 , | 4 |
| 2 10 | Adaptive Fusion of RGB/NIR Signals Based on Face/Background Cross-Spectral Analysis for Heart Rate Estimation. 2019 , | 5 |
| 209 | Preclinical Evaluation of a Noncontact Simultaneous Monitoring Method for Respiration and Carotid Pulsation Using Impulse-Radio Ultra-Wideband Radar. 2019 , 9, 11892 | 17 |
| 208 | Data-Driven Calibration Estimation for Robust Remote Pulse-Oximetry. 2019 , 9, 3857 | 5 |
| 207 | Pre-detection and Type Discrimination of Human Trembling Diseases. 2019, | |
| 206 | An open-source remote heart rate imaging method with practical apparatus and algorithms. 2019 , 51, 2106-2119 | 22 |
| 205 | A Novel Vital-Sign Sensing Algorithm for Multiple Subjects Based on 24-GHz FMCW Doppler Radar. 2019 , 11, 1237 | 45 |
| 204 | Respiratory modulation of peripheral vasoconstriction: a modeling perspective. 2019 , 127, 1177-1186 | 7 |
| 203 | Availability and performance of image-based, non-contact methods of monitoring heart rate, blood pressure, respiratory rate, and oxygen saturation: a systematic review. <i>Physiological Measurement</i> , 2.9 2019 , 40, 06TR01 | 27 |
| 202 | Non-contact Heart Rate Monitoring for Intensive Exercise Based on Singular Spectrum Analysis. 2019 , | 7 |
| 201 | Estimation of respiratory rate from motion contaminated photoplethysmography signals incorporating accelerometry. 2019 , 6, 19-26 | 7 |
| 200 | Using neural networks to enhance the quality of ROIs for video based remote heart rate measurement from human faces. 2019 , | 5 |
| 199 | Current progress of photoplethysmography and SPO for health monitoring. 2019 , 9, 21-36 | 62 |

| 198 | Comparison of video-based methods for respiration rhythm measurement. 2019 , 51, 138-147 | 3 |
|-----|---|---|
| 197 | Posture effects on the calibratability of remote pulse oximetry in visible light. <i>Physiological Measurement</i> , 2019 , 40, 035005 | 2 |
| 196 | Comparison of Measurement Sites in Instantaneous Orthostatic Pulse Rate Measurement. 2019 , 8, 14-22 | |
| 195 | Image Restoration Based on Improved Patch Clustering in Gaussian Mixture Models. 2019, | |
| 194 | EDTM 2019 Copyright Page. 2019 , | |
| 193 | Evaluation of PO and EEC Radiation Integrals on Quadratic Triangles and Edges in Time Domain. 2019 , | Ο |
| 192 | 4K-DRM Server Protocol Packet Capture and Analysis. 2019 , | |
| 191 | Message from the MLST 2019 Chairs. 2019 , | |
| 190 | Advanced Multifunctional Antennas for 5G and Beyond. 2019 , | 1 |
| 189 | Impact Sounds Classification for Interactive Applications via Discriminative Dictionary Learning. 2019 , | 1 |
| 188 | Effects of the Mesh Anode Transparency on the Operation Characteristics of the Virtual Cathode Oscillator. 2019 , | |
| 187 | . 2019, | 2 |
| 186 | High-Dimensional Linear Regression and Phase Retrieval via PSLQ Integer Relation Algorithm. 2019 , | 1 |
| 185 | Waveguide Joint Design and Validation for use in Acoustic Vector-corrected Network Analysers. 2019 , | |
| 184 | IEEE Transactions on Magnetics publication information. 2019 , 55, C2-C2 | |
| 183 | . 2019, | |
| 182 | Paraphrase Generation with Collaboration between the Forward and the Backward Decoder. 2019, | |
| 181 | Compact all-in-line adaptive optics fluorescence microscope using an optofluidic phase modulator. 2019 , | |

| 180 | Effects of Operating Factors on the Bio-Oil Produced from Pyrolysis of Plastic Wastes using Response Surface Methodology. 2019 , | 1 |
|-----|--|----|
| 179 | Face Analysis for Coronary Heart Disease Diagnosis. 2019 , | |
| 178 | Analysis and Implementation of Novel Energy Management System for Electric Vehicles. 2019, | |
| 177 | RGB-thermal Imaging System Collaborated with Marker Tracking for Remote Breathing Rate Measurement. 2019 , | 3 |
| 176 | Multi-person remote heart-rate measurement from human faces - a CNN based approach. 2019, | О |
| 175 | Big Data Mining: Managing the Costs of Data Mining. 2019 , | |
| 174 | RIGI Camera for Real Time Ultrasensitive Terahertz Imaging. 2019, | 1 |
| 173 | Remote Monitoring of Vital Signs in Diverse Non-Clinical and Clinical Scenarios Using Computer Vision Systems: A Review. 2019 , 9, 4474 | 34 |
| 172 | System Response of Permanent Magnet Synchronous Motor Drive Based on SiC Power Transistor. 2019 , | 1 |
| 171 | The message of the O-COCOSDA Convenor. 2019 , | |
| 170 | On the Vector Space in Photoplethysmography Imaging. 2019 , | 5 |
| 169 | Optimal Current Excitation for the Time-Domain Estimation of the Electrochemical Impedance. 2019 , | |
| 168 | Effects of R-R time series accuracy on heart rate variability indexes. 2019 , 27-35 | 2 |
| 167 | The Evolution of Heart Beat Rate Measurement Techniques From Contact Based Photoplethysmography to Non-Contact Based Photoplethysmography Imaging. 2019 , | O |
| 166 | GPSfM: Global Projective SFM Using Algebraic Constraints on Multi-View Fundamental Matrices. 2019 , | 2 |
| 165 | Strict Judgement of Successful Transfer of Multiple Data and ACK Frames in Interfering Wireless LAN Environments. 2019 , | |
| 164 | Blockchain for Cybersecurity: Working Mechanism, Application areas and Security Challenges. 2019, | 2 |
| 163 | A Blockchain-Based Framework for Secure Log Storage. 2019 , | 2 |

(2020-2019)

| 162 | Three-dimensional observation of polymer and liquid crystal director in highly oriented liquid crystal / polymer composite films which show electro-optical transparency-turbidity switching. 2019 , | | |
|-----|---|------|-----|
| 161 | Distributed Charging Control of Smart Electric Vehicle Chargers for Load Valley Filling in Distribution Networks. 2019 , | | 2 |
| 160 | Wavelength-selective beam deflector based on Fano-resonant metasurface. 2019, | | |
| 159 | Fast Early Termination of CU Partition and Mode Selection Algorithm for Virtual Reality Video in HEVC. 2019 , | | 3 |
| 158 | Investigating GF-5 Hyperspectral and GF-1 Multispectral Data Fusion Methods for Multitemporal Change Analysis. 2019 , | | 1 |
| 157 | Using Non-Contact Imaging Photoplethysmography to Recover Diurnal Patterns in Heart Rate. 2019 , 2019, 6830-6833 | | 1 |
| 156 | Non-contact physiological monitoring of preterm infants in the Neonatal Intensive Care Unit. <i>Npj Digital Medicine</i> , 2019 , 2, 128 | 15.7 | 37 |
| 155 | A Camera-Based Pulse Transit Time Estimation Approach Towards Non-Intrusive Blood Pressure Monitoring. 2019 , | | 1 |
| 154 | Remote Photoplethysmographic Assessment of the Peripheral Circulation in Critical Care Patients Recovering From Cardiac Surgery. 2019 , 52, 174-182 | | 6 |
| 153 | Monitoring respiration using the pressure sensors in a dialysis machine. <i>Physiological Measurement</i> , 2019 , 40, 025001 | 2.9 | 5 |
| 152 | Heart Rate and Heart Rate Variability From Single-Channel Video and ICA Integration of Multiple Signals. 2019 , 23, 2398-2408 | | 23 |
| 151 | Single Element Remote-PPG. IEEE Transactions on Biomedical Engineering, 2018, | 5 | 22 |
| 150 | A review of big data applications of physiological signal data. 2019 , 11, 83-87 | | 13 |
| 149 | Video-Based Heart Rate Measurement: Recent Advances and Future Prospects. 2019 , 68, 3600-3615 | | 60 |
| 148 | Health and Wellness Measurement Approaches for Mobile Healthcare. 2019, | | 0 |
| 147 | Remote patient monitoring: a comprehensive study. 2019 , 10, 57-76 | | 141 |
| 146 | Contactless Technique for Measuring Blood-Pressure Variability from One Region in Video Plethysmography. 2019 , 39, 76-85 | | 17 |
| 145 | Noncontact SpO2 Measurement Using Eulerian Video Magnification. 2020 , 69, 2120-2130 | | 10 |

| 144 | Visual heart rate estimation and negative feedback control for fitness exercise. 2020 , 56, 101680 | 12 |
|-----|--|----|
| 143 | A Remote Respiration Rate Measurement Method for Non-Stationary Subjects Using CEEMDAN and Machine Learning. 2020 , 20, 1400-1410 | 6 |
| 142 | Discriminative Signatures for Remote-PPG. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 1462-1473 | 23 |
| 141 | Non-Contact Vital Signs Monitoring Through Visible Light Sensing. 2020 , 20, 3859-3870 | 9 |
| 140 | Intelligent Non-Invasive Vital Signs Estimation From Image Analysis. 2020, | 3 |
| 139 | Robot Assisted Instantaneous Heart Rate Estimator using Camera based Remote Photoplethysmograpy via Plane-Orthogonal-to-Skin and Finite State Machine. 2020 , 2020, 4425-4428 | 2 |
| 138 | Neonatal Face Tracking for Non-Contact Continuous Patient Monitoring. 2020, | 1 |
| 137 | Monitoramento da taxa de saturaß de oxigñio no sangue e frequñcia cardñca via m£odo de magnificaß Euleriana sem contato fßico. 2020 , 12, 80-92 | |
| 136 | Fusion-Based Approach for Respiratory Rate Recognition From Facial Video Images. 2020 , 8, 130036-130047 | 7 |
| 135 | Non-contact imaging of peripheral hemodynamics during cognitive and psychological stressors. 2020 , 10, 10884 | 9 |
| 134 | Exploring the feasibility of seamless remote heart rate measurement using multiple synchronized cameras. 2020 , 79, 23023-23043 | |
| 133 | Enhanced Contactless Vital Sign Estimation from Real-Time Multimodal 3D Image Data. 2020 , 6, | 1 |
| 132 | A Meta-Analysis of the Impact of Skin Type and Gender on Non-contact Photoplethysmography Measurements. 2020 , | 5 |
| 131 | In Search of Life: Learning from Synthetic Data to Detect Vital Signs in Videos. 2020 , | 2 |
| 130 | Skin Segmentation using Active Contours and Gaussian Mixture Models for Heart Rate Detection in Videos. 2020 , | 2 |
| 129 | Association of remote imaging photoplethysmography and cutaneous perfusion in volunteers. 2020 , 10, 16464 | 6 |
| 128 | [Title page i]. 2020 , | _ |
| 127 | Automatic non-contact monitoring of the respiratory rate of neonates using a structured light camera. 2020 , 2020, 4118-4121 | 2 |

| 126 | . 2020 , 8, 216083-216103 | | 12 |
|-----|--|--------------------|-----------------|
| 125 | Contact-Free Optical Assessment of Changes in the Chest Wall Perfusion after Coronary Artery Bypass Grafting by Imaging Photoplethysmography. 2020 , 10, 6537 | | 2 |
| 124 | Tracking Nostril Movement in Facial Video for Respiratory Rate Estimation. 2020, | | O |
| 123 | Non-Contact Respiration Monitoring and Body Movements Detection for Sleep Using Thermal Imaging. <i>Sensors</i> , 2020 , 20, | 3.8 | 9 |
| 122 | Modified RGB Cameras for Infrared Remote-PPG. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2893-2904 | 5 | 6 |
| 121 | Noninvasive, Intrusive, and Nonintrusive Measurements. 2020 , 107-128 | | |
| 120 | Human Vital Signs Detection Methods and Potential Using Radars: A Review. Sensors, 2020, 20, | 3.8 | 30 |
| 119 | Multi-Level Interpolation-Based Filter for Airborne LiDAR Point Clouds in Forested Areas. 2020 , 8, 4100 | 0-410 ⁻ | 12 ₇ |
| 118 | Empirical Evaluation of Coupling Metrics in Software Fault Prediction. 2020, | | |
| 117 | Knowledge Graph Enhanced Third-Party Library Recommendation for Mobile Application Development. 2020 , 8, 42436-42446 | | 3 |
| 116 | Deep Neural Network Approach in Robot Tool Dynamics Identification for Bilateral Teleoperation. 2020 , 5, 2943-2949 | | 84 |
| 115 | . 2020, 62, 72-81 | | 17 |
| 114 | Broadband Dual-, Triple-, and Quad-Resonance Endfire Antennas Based on Surface Waves. 2020 , 68, 6389-6394 | | 2 |
| 113 | Automatic and Adaptive Signal- and Background-ROIs With Analytic-Representation-Based Processing for Robust Webcam-Based Heart-Rate Estimation. 2020 , 8, 34728-34736 | | 2 |
| 112 | . 2020 , 55, 2228-2246 | | 22 |
| 111 | A Non-Contact Photoplethysmography Technique for the Estimation of Heart Rate via Smartphone. 2020 , 10, 154 | | 6 |
| 110 | Evaluation of driver drowsiness using respiration analysis by thermal imaging on a driving simulator. 2020 , 79, 17793-17815 | | 12 |
| 109 | Energy-Efficient Resource Allocation for High-Rate Underlay D2D Communications With Statistical CSI: A One-to-Many Strategy. 2020 , 69, 4006-4018 | | 14 |

| 108 | Communication Network for Ultrasonic Acoustic Water Leakage Detectors. 2020, 8, 29954-29964 | 6 |
|-----|--|----|
| 107 | Morphology-Agnostic Visual Robotic Control. 2020 , 5, 766-773 | |
| 106 | A Contactless Respiratory Rate Estimation Method Using a Hermite Magnification Technique and Convolutional Neural Networks. 2020 , 10, 607 | 10 |
| 105 | Introducing artificial intelligence in acute psychiatric inpatient care: qualitative study of its use to conduct nursing observations. 2020 , 23, 34-38 | 18 |
| 104 | [Title page iii]. 2020 , | |
| 103 | Photoplethysmography imaging:camera performance evaluation by means of an optoelectronic skin perfusion phantom. <i>Physiological Measurement</i> , 2020 , 41, 054001 | 3 |
| 102 | Robust Observer Design for Two-Dimensional Discrete Positive Switched Systems With Delays. 2020 , 67, 3297-3301 | 3 |
| 101 | Concurrent video-based heart-rate measurement from human faces for large groups of participants - an improved CNN approach. 2020 , | O |
| 100 | Vision-Based Fatigue Driving Recognition Method Integrating Heart Rate and Facial Features. 2021 , 22, 3089-3100 | 11 |
| 99 | Automatic Detection of Pain from Facial Expressions: A Survey. 2021 , 43, 1815-1831 | 10 |
| 98 | Multispectral Video Fusion for Non-Contact Monitoring of Respiratory Rate and Apnea. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 350-359 | 19 |
| 97 | A measurement of illumination variation-resistant noncontact heart rate based on the combination of singular spectrum analysis and sub-band method. <i>Computer Methods and Programs in</i> 6.9 <i>Biomedicine</i> , 2021 , 200, 105824 | 5 |
| 96 | Illumination variation-resistant video-based heart rate monitoring using LAB color space. 2021 , 136, 106328 | 7 |
| 95 | Noncontact Physiological Measurement Using a Camera: A Technical Review and Future Directions. 2021 , 6, 321-334 | 4 |
| 94 | Contactless Methods For Measuring Respiratory Rate: A Review. 2021 , 21, 12821-12839 | 29 |
| 93 | DeepMag. 2021 , 40, 1-14 | 2 |
| 92 | Simultaneously video-based heart-rate measurement for multiple participants - an improved tiny faces approach. 2021 , | |
| 91 | Developing the Accuracy of Vital Sign Measurements Using the Lifelight Software Application in Comparison to Standard of Care Methods: Observational Study Protocol. 2021 , 10, e14326 | O |

| 90 | Vision-Based Patient Monitoring and Management in Mental Health Settings. 2021, 46, 36-43 | | 2 |
|----|--|-----|----|
| 89 | Noncontact Sensing of Contagion. 2021 , 7, | | 5 |
| 88 | Enhanced heart rate estimation based on face features. 2021, | | 1 |
| 87 | Robust non-contact peripheral oxygenation saturation measurement using smartphone-enabled imaging photoplethysmography. <i>Biomedical Optics Express</i> , 2021 , 12, 1746-1760 | 3.5 | 5 |
| 86 | Infant heart-rate measurement and oxygen desaturation detection with a digital video camera using imaging photoplethysmography. 2021 , 41, 1725-1731 | | 5 |
| 85 | AI-enabled remote monitoring of vital signs for COVID-19: methods, prospects and challenges. <i>Computing (Vienna/New York)</i> , 1 | 2.2 | 15 |
| 84 | Facial Video-Based Respiratory Rate Recognition Interpolating Pulsatile PPG Rise And Fall Times. 2021 , | | О |
| 83 | Non-Contact SpO2 Prediction System Based on a Digital Camera. 2021 , 11, 4255 | | 3 |
| 82 | Adaptive Gaussian Mixture Model Driven Level Set Segmentation for Remote Pulse Rate Detection. 2021 , 25, 1361-1372 | | 2 |
| 81 | Parametric Study of Performance of Remote Photopletysmography System. 2021, | | O |
| 80 | Combining Magnification and Measurement for Non-Contact Cardiac Monitoring. 2021, | | О |
| 79 | Real-time multimodal 3D imaging system for remote estimation of vital signs. 2021 , | | O |
| 78 | A Real-Time Non-Contact Heart Rate Measurement based on Imaging Photoplethysmography (iPPG)-Power Spectral Density (PSD). 2021 , | | |
| 77 | Contact and Non-contact Heart Beat Rate Measurement Techniques: Challenges and Issues. 2021 , 29, | | |
| 76 | Analysis and improvement of non-contact SpO2 extraction using an RGB webcam. <i>Biomedical Optics Express</i> , 2021 , 12, 5227-5245 | 3.5 | 2 |
| 75 | Heart Rate Estimation from RGB Facial Videos Using Robust Face Demarcation and VMD. 2021, | | 2 |
| 74 | Examination of Potential of Thermopile-Based Contactless Respiratory Gating. Sensors, 2021, 21, | 3.8 | 1 |
| 73 | Applications of camera-based physiological measurement beyond healthcare. 2022 , 165-177 | | |

| 72 | Human physiology and contactless vital signs monitoring using camera and wireless signals. 2022 , 1-24 | | 1 |
|----|--|-----|----|
| 71 | Spatio-temporal and -spectral feature maps in photoplethysmography imaging and infrared thermograph. 2021 , 20, 8 | | 2 |
| 70 | Non-Contact Heart Rate Estimation via Adaptive RGB/NIR Signal Fusion. 2021 , 30, 6528-6543 | | 2 |
| 69 | DeepPhys: Video-Based Physiological Measurement Using Convolutional Attention Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 356-373 | 0.9 | 82 |
| 68 | Ex Vivo Biosignatures. 2019 , 51-104 | | 1 |
| 67 | The Assessment and Interpretation of Vital Signs. 2017, 63-85 | | 3 |
| 66 | Waveform Analysis to Estimate Respiratory Rate. 2016 , 377-390 | | 14 |
| 65 | A fast non-contact imaging photoplethysmography method using a tissue-like model. 2018 , | | 2 |
| 64 | Simultaneous estimation of arterial and venous oxygen saturation using a camera. 2018, | | 1 |
| 63 | Localised photoplethysmography imaging for heart rate estimation of pre-term infants in the clinic. 2018 , | | 6 |
| 62 | Spatio-temporal analysis of blood perfusion by imaging photoplethysmography. 2018, | | 2 |
| 61 | Remote spectral measurements of the blood volume pulse with applications for imaging photoplethysmography. 2018 , | | 9 |
| 60 | Distant pulse oximetry based on skin region extraction and multi-spectral measurement. 2018, | | 1 |
| 59 | Analysis of CNN-based remote-PPG to understand limitations and sensitivities. <i>Biomedical Optics Express</i> , 2020 , 11, 1268-1283 | 3.5 | 23 |
| 58 | Quasi Real-time Contactless Physiological Sensing Using Consumer-Grade Cameras. 2021, | | |
| 57 | An OpenCV-Based Approach for Automated Cardiac Rhythm Measurement in Zebrafish from Video Datasets. <i>Biomolecules</i> , 2021 , 11, | 5.9 | 1 |
| 56 | Contact-Free Heartbeat Signal for Human Identification and Forensics. <i>Advances in Computer Vision and Pattern Recognition</i> , 2017 , 289-302 | 1.1 | 2 |
| 55 | Photoplethysmography Imaging and Common Optical Hybrid Imaging Modalities. 2018 , 31-66 | | О |

| 54 | Contact-Less, Optical Heart Rate Determination in the Field Ambient Assisted Living. <i>Communications in Computer and Information Science</i> , 2019 , 350-368 | 0.3 | |
|----|--|------|---|
| 53 | Arousal Measurement Reflected in the Pupil Diameter for a Decision-Making Performance in Serious Games. <i>Lecture Notes in Computer Science</i> , 2019 , 287-298 | 0.9 | |
| 52 | Improved Non-contact Optical Monitoring of Blood Pulsation in IR using Laser Speckle Contrast Analysis. 2019 , | | |
| 51 | Developing the Accuracy of Vital Sign Measurements Using the Lifelight Software Application in Comparison to Standard of Care Methods: Observational Study Protocol (Preprint). | | |
| 50 | Motion robust Imaging photoplethysmography in defocus blurring. 2019, | | O |
| 49 | Real-time and robust heart rate measurement for multi-people in motion using IPPG. 2019, | | |
| 48 | Distant Pulse Oximetry. <i>Bioanalysis</i> , 2020 , 167-178 | 0.5 | |
| 47 | CamSense: A camera-based contact-less heart activity monitoring. Smart Health, 2022, 23, 100240 | 2.1 | O |
| 46 | The First Vision For Vitals (V4V) Challenge for Non-Contact Video-Based Physiological Estimation. 2021 , | | 6 |
| 45 | Remote measurement of heart rate from facial video in different scenarios. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 110243 | 4.6 | 1 |
| 44 | Assessment of physiological states from contactless face video: a sparse representation approach. <i>Computing (Vienna/New York)</i> , 1 | 2.2 | O |
| 43 | Non-contact physiological monitoring of post-operative patients in the intensive care unit <i>Npj Digital Medicine</i> , 2022 , 5, 4 | 15.7 | 1 |
| 42 | Systems, sensors, and devices in personal healthcare applications. 2022 , 51-83 | | O |
| 41 | Contactless Remote Assessment of Heart Rate and Respiration Rate Using Video Magnification. <i>IEEE Instrumentation and Measurement Magazine</i> , 2022 , 25, 20-27 | 1.4 | O |
| 40 | Evaluation of Remote Photoplethysmography Measurement Conditions toward Telemedicine Applications <i>Sensors</i> , 2021 , 21, | 3.8 | Ο |
| 39 | Using High-Fidelity Avatars to Advance Camera-based Cardiac Pulse Measurement <i>IEEE Transactions on Biomedical Engineering</i> , 2022 , PP, | 5 | |
| 38 | A Multi-Channel Ratio-of-Ratios Method for Noncontact Hand Video Based SpO2 Monitoring Using Smartphone Cameras. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2022 , 1-1 | 7.5 | 1 |
| 37 | Contactless Vital Signs Monitoring From Videos Recorded With Digital Cameras: An Overview <i>Frontiers in Physiology</i> , 2022 , 13, 801709 | 4.6 | O |

| 36 | Rational selection of RGB channels for disease classification based on IPPG technology <i>Biomedical Optics Express</i> , 2022 , 13, 1820-1833 | 3.5 | 1 |
|----------------|---|------|---|
| 35 | Video-based physiologic monitoring: promising applications for the ICU and beyond <i>Npj Digital Medicine</i> , 2022 , 5, 26 | 15.7 | O |
| 34 | MobilePhys. 2022 , 6, 1-23 | | 0 |
| 33 | Availability and performance of face based non-contact methods for heart rate and oxygen saturation estimations: A systematic review <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 219, 106771 | 6.9 | 1 |
| 32 | The Benefit of Distraction: Denoising Camera-Based Physiological Measurements using Inverse Attention. 2021 , | | 3 |
| 31 | OUP accepted manuscript. Journal of Computational Design and Engineering, | 4.6 | O |
| 30 | pyVHR: a Python framework for remote photoplethysmography <i>PeerJ Computer Science</i> , 2022 , 8, e929 | 2.7 | 4 |
| 29 | Audio_1.MP3. 2018 , | | |
| 28 | Audio_2.MP3. 2018 , | | |
| 27 | Audio_3.MP3. 2018 , | | |
| 26 | Audia 4 MD2 2040 | | |
| | Audio_4.MP3. 2018 , | | |
| 25 | Temporal Convolutional Networks for Robust Face Liveness Detection. <i>Lecture Notes in Computer Science</i> , 2022 , 255-267 | 0.9 | |
| 25 | Temporal Convolutional Networks for Robust Face Liveness Detection. <i>Lecture Notes in Computer</i> | 0.9 | |
| | Temporal Convolutional Networks for Robust Face Liveness Detection. <i>Lecture Notes in Computer Science</i> , 2022 , 255-267 A comparative study of common steps in video-based remote heart rate detection methods. <i>Expert</i> | | |
| 24 | Temporal Convolutional Networks for Robust Face Liveness Detection. <i>Lecture Notes in Computer Science</i> , 2022 , 255-267 A comparative study of common steps in video-based remote heart rate detection methods. <i>Expert Systems With Applications</i> , 2022 , 117867 | | 0 |
| 24 | Temporal Convolutional Networks for Robust Face Liveness Detection. <i>Lecture Notes in Computer Science</i> , 2022 , 255-267 A comparative study of common steps in video-based remote heart rate detection methods. <i>Expert Systems With Applications</i> , 2022 , 117867 Non-Contact HR Extraction from Different Color Spaces Using RGB Camera. 2022 , | 7.8 | 0 |
| 24 23 22 | Temporal Convolutional Networks for Robust Face Liveness Detection. Lecture Notes in Computer Science, 2022, 255-267 A comparative study of common steps in video-based remote heart rate detection methods. Expert Systems With Applications, 2022, 117867 Non-Contact HR Extraction from Different Color Spaces Using RGB Camera. 2022, Automated Remote Pulse Oximetry System (ARPOS). Sensors, 2022, 22, 4974 Infrared webcam-based non-contact measurement of event-related potentials from event-related pupillary responses: An approach focused on mental workload. Journal of Computational Design and | 7.8 | 0 |

| 18 | Federated Remote Physiological Measurement with Imperfect Data. 2022, | 1 |
|----|---|---|
| 17 | Correlation Mapping of Perfusion Patterns in Cutaneous Tissue. 2022 , 12, 7658 | |
| 16 | Effects of Lighting and Window Length on Heart Rate Assessment through Video Magnification. 2022 , | О |
| 15 | Camera Measurement of Physiological Vital Signs. | 1 |
| 14 | Contactless skin perfusion monitoring with video cameras: tracking pharmacological vasoconstriction and vasodilation using photoplethysmographic changes. | 0 |
| 13 | A Real-Time Remote Respiration Measurement Method with Improved Robustness Based on a CNN Model. 2022 , 12, 11603 | 0 |
| 12 | Improving Face Liveness Detection Robustness with Deep Convolutional Generative Adversarial Networks. 2022 , | О |
| 11 | Seeing beneath the skin with computational photography. 2022 , 65, 90-100 | О |
| 10 | Photoplethysmographic Imaging of Hemodynamics and Two-Dimensional Oximetry. | О |
| 9 | Instantaneous Physiological Estimation Using Video Transformers. 2023 , 307-319 | О |
| 8 | Mobile application-based oximetry: a potential toolfor appropriate referral of patients with respiratory symptoms examined via telemedicine. 2022 , 21, | О |
| 7 | Attempt to extract features and classify subjective poor physical conditions in facial images using deep metric learning. | O |
| 6 | Blood Volume Pulse Signal Extraction based on Spatio-Temporal Low-Rank Approximation for Heart Rate Estimation. 2022 , | О |
| 5 | Non-Contact Breathing Rate Estimation Using Machine Learning with an Optimized Architecture. 2023 , 11, 645 | O |
| 4 | Contactless Cardiovascular Assessment by Imaging Photoplethysmography: A Comparison with Wearable Monitoring. 2023 , 23, 1505 | О |
| 3 | Hand-over-face occlusion and distance adaptive heart rate detection based on imaging photoplethysmography and pixel distance in online learning. 2023 , 85, 104898 | O |
| 2 | Emotion Recognition Using Different Sensors, Emotion Models, Methods and Datasets: A Comprehensive Review. 2023 , 23, 2455 | О |
| 1 | Camera-based Non-Contact Physiology Sensing. 2022 , | O |