

Carina Pereira

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

567
citations

840776

11
h-index

713466

21
g-index

29
all docs

29
docs citations

29
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote monitoring of breathing dynamics using infrared thermography. Biomedical Optics Express, 2015, 6, 4378.	2.9	128
2	Noncontact Monitoring of Respiratory Rate in Newborn Infants Using Thermal Imaging. IEEE Transactions on Biomedical Engineering, 2019, 66, 1105-1114.	4.2	62
3	Estimation of breathing rate in thermal imaging videos: a pilot study on healthy human subjects. Journal of Clinical Monitoring and Computing, 2017, 31, 1241-1254.	1.6	48
4	Contact-free monitoring of circulation and perfusion dynamics based on the analysis of thermal imagery. Biomedical Optics Express, 2014, 5, 1075.	2.9	37
5	Monitoring of Cardiorespiratory Signals Using Thermal Imaging: A Pilot Study on Healthy Human Subjects. Sensors, 2018, 18, 1541.	3.8	35
6	Estimating Respiratory Rate in Post-Anesthesia Care Unit Patients Using Infrared Thermography: An Observational Study. Sensors, 2018, 18, 1618.	3.8	33
7	Remote Welfare Monitoring of Rodents Using Thermal Imaging. Sensors, 2018, 18, 3653.	3.8	27
8	Thermoregulation in premature infants: A mathematical model. Journal of Thermal Biology, 2016, 62, 159-169.	2.5	24
9	Remote vital parameter monitoring in neonatology – robust, unobtrusive heart rate detection in a realistic clinical scenario. Biomedizinische Technik, 2016, 61, 631-643.	0.8	23
10	Contactless monitoring of heart and respiratory rate in anesthetized pigs using infrared thermography. PLoS ONE, 2019, 14, e0224747.	2.5	23
11	Robust remote monitoring of breathing function by using infrared thermography. , 2015, 2015, 4250-3.		22
12	Estimation of respiratory rate from thermal videos of preterm infants. , 2017, 2017, 3818-3821.		19
13	Modeling a healthy and a person with heart failure conditions using the object-oriented modeling environment Dymola. Medical and Biological Engineering and Computing, 2015, 53, 1049-1068.	2.8	16
14	Active and Passive Optical Imaging Modality for Unobtrusive Cardiorespiratory Monitoring and Facial Expression Assessment. Anesthesia and Analgesia, 2017, 124, 104-119.	2.2	11
15	Remote Photoplethysmographic Imaging of Dermal Perfusion in a Porcine Animal Model. IFMBE Proceedings, 2014, , 92-95.	0.3	10
16	Perspective review of optical imaging in welfare assessment in animal-based research. Journal of Biomedical Optics, 2019, 24, 1.	2.6	10
17	Remote vitals monitoring in rodents using video recordings. Biomedical Optics Express, 2019, 10, 4422.	2.9	8
18	Multisensor data fusion for enhanced respiratory rate estimation in thermal videos. , 2016, 2016, 1381-1384.		5

#	ARTICLE	IF	CITATIONS
19	Infrared Thermography. , 2018, , 1-30.		5
20	Frequency-selective quantification of skin perfusion behavior during allergic testing using photoplethysmography imaging. , 2014, , .		4
21	An Anatomical Thermal 3D Model in Preclinical Research: Combining CT and Thermal Images. Sensors, 2021, 21, 1200.	3.8	4
22	Infection Probability Index: Implementation of an Automated Chronic Wound Infection Marker. Journal of Clinical Medicine, 2022, 11, 169.	2.4	4
23	Consciousness Detection on Injured Simulated Patients Using Manual and Automatic Classification via Visible and Infrared Imaging. Sensors, 2021, 21, 8455.	3.8	3
24	Evaluation of a bronchoscopy guidance system for bronchoscopy training, a randomized controlled trial. BMC Medical Education, 2019, 19, 430.	2.4	2
25	Respiratory Mechanics, Gas Transport and Perfusion during exercise. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 131-136.	0.4	1
26	Contactless Anesthesia Monitoring in Spontaneously Breathing Rodents. , 2019, 2019, 6077-6080.		1
27	Photoplethysmography Imaging and Common Optical Hybrid Imaging Modalities. , 2018, , 31-66.		1
28	Evaluation of an Anesthesia Dashboard Functional Model Based on a Manufacturer-Independent Communication Standard: Comparative Feasibility Study. JMIR Human Factors, 2019, 6, e12553.	2.0	1
29	Session 58. Imaging and image processing V â€“ Miscellaneous. Biomedizinische Technik, 2017, 62, .	0.8	0