

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	Infection Probability Index: Implementation of an Automated Chronic Wound Infection Marker. Journal of Clinical Medicine, 2022, 11, 169.	2.4	4
2	An Anatomical Thermal 3D Model in Preclinical Research: Combining CT and Thermal Images. Sensors, 2021, 21, 1200.	3.8	4
3	Consciousness Detection on Injured Simulated Patients Using Manual and Automatic Classification via Visible and Infrared Imaging. Sensors, 2021, 21, 8455.	3.8	3
4	Noncontact Monitoring of Respiratory Rate in Newborn Infants Using Thermal Imaging. IEEE Transactions on Biomedical Engineering, 2019, 66, 1105-1114.	4.2	62
5	Contactless monitoring of heart and respiratory rate in anesthetized pigs using infrared thermography. PLoS ONE, 2019, 14, e0224747.	2.5	23
6	Contactless Anesthesia Monitoring in Spontaneously Breathing Rodents. , 2019, 2019, 6077-6080.		1
7	Evaluation of a bronchoscopy guidance system for bronchoscopy training, a randomized controlled trial. BMC Medical Education, 2019, 19, 430.	2.4	2
8	Perspective review of optical imaging in welfare assessment in animal-based research. Journal of Biomedical Optics, 2019, 24, 1.	2.6	10
9	Remote vitals monitoring in rodents using video recordings. Biomedical Optics Express, 2019, 10, 4422.	2.9	8
10	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
11	Remote Welfare Monitoring of Rodents Using Thermal Imaging. Sensors, 2018, 18, 3653.	3.8	27
12	Infrared Thermography. , 2018, , 1-30.		5
13	Monitoring of Cardiorespiratory Signals Using Thermal Imaging: A Pilot Study on Healthy Human Subjects. Sensors, 2018, 18, 1541.	3.8	35
14	Estimating Respiratory Rate in Post-Anesthesia Care Unit Patients Using Infrared Thermography: An Observational Study. Sensors, 2018, 18, 1618.	3.8	33
15	Photoplethysmography Imaging and Common Optical Hybrid Imaging Modalities. , 2018, , 31-66.		1
16	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
17	Active and Passive Optical Imaging Modality for Unobtrusive Cardiorespiratory Monitoring and Facial Expression Assessment. Anesthesia and Analgesia, 2017, 124, 104-119.	2.2	11
18	Estimation of respiratory rate from thermal videos of preterm infants. , 2017, 2017, 3818-3821.		19

#	ARTICLE	IF	CITATIONS
19	Session 58. Imaging and image processing V â€“ Miscellaneous. Biomedizinische Technik, 2017, 62, .	0.8	0
20	Thermoregulation in premature infants: A mathematical model. Journal of Thermal Biology, 2016, 62, 159-169.	2.5	24
21	Remote vital parameter monitoring in neonatology â€“ robust, unobtrusive heart rate detection in a realistic clinical scenario. Biomedizinische Technik, 2016, 61, 631-643.	0.8	23
22	Multisensor data fusion for enhanced respiratory rate estimation in thermal videos. , 2016, 2016, 1381-1384.		5
23	Remote monitoring of breathing dynamics using infrared thermography. Biomedical Optics Express, 2015, 6, 4378.	2.9	128
24	Robust remote monitoring of breathing function by using infrared thermography. , 2015, 2015, 4250-3.		22
25	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
26	Frequency-selective quantification of skin perfusion behavior during allergic testing using photoplethysmography imaging. , 2014, , .		4
27	Contact-free monitoring of circulation and perfusion dynamics based on the analysis of thermal imagery. Biomedical Optics Express, 2014, 5, 1075.	2.9	37
28	Remote Photoplethysmographic Imaging of Dermal Perfusion in a Porcine Animal Model. IFMBE Proceedings, 2014, , 92-95.	0.3	10
29	Respiratory Mechanics, Gas Transport and Perfusion during exercise. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 131-136.	0.4	1