

Quan Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7940731/publications.pdf>

Version: 2024-02-01

32
papers

1,912
citations

471509

17
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

2049
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain Fingerprinting and Lie Detection: A Study of Dynamic Functional Connectivity Patterns of Deception Using EEG Phase Synchrony Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 600-613.	6.3	6
2	Hybrid motion artifact detection and correction approach for functional near-infrared spectroscopy measurements. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	2
3	Neuro-ophthalmic imaging and visual assessment technology for spaceflight associated neuro-ocular syndrome (SANS). <i>Survey of Ophthalmology</i> , 2022, 67, 1443-1466.	4.0	17
4	Prediction of Task Performance From Physiological Features of Stress Resilience. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 2150-2161.	6.3	8
5	A wearable near infrared and tonometry-based headband for cerebrovascular autoregulation monitor. , 2021, , .		0
6	A Highly Sensitive Amperometric Glutamate Oxidase Microbiosensor Based on a Reduced Graphene Oxide/Prussian Blue Nanocube/Gold Nanoparticle Composite Film-Modified Pt Electrode. <i>Sensors</i> , 2020, 20, 2924.	3.8	17
7	Hitless Wavelength-Selective Switch Using a Single Microring Resonator Assisted With a Symmetric MZI. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 402-405.	2.5	2
8	Neural Activity and Decoding of Action Observation Using Combined EEG and fNIRS Measurement. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 357.	2.0	20
9	Task-State Heart Rate Variability Parameter- Based Depression Detection Model and Effect of Therapy on the Parameters. <i>IEEE Access</i> , 2019, 7, 105701-105709.	4.2	13
10	Stress Resilience Assessment Based on Physiological Features in Selection of Air Traffic Controllers. <i>IEEE Access</i> , 2019, 7, 41989-42005.	4.2	13
11	New Tools and Methods in Selection of Air Traffic Controllers Based on Multimodal Psychophysiological Measurements. <i>IEEE Access</i> , 2019, 7, 174873-174888.	4.2	16
12	Technology Development for Simultaneous Wearable Monitoring of Cerebral Hemodynamics and Blood Pressure. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 1952-1963.	6.3	8
13	Wearable brain imaging with multimodal physiological monitoring. <i>Journal of Applied Physiology</i> , 2018, 124, 564-572.	2.5	30
14	Textile-Enabled Highly Reproducible Flexible Pressure Sensors for Cardiovascular Monitoring. <i>Advanced Materials Technologies</i> , 2018, 3, 1700222.	5.8	72
15	Increased cerebral blood volume pulsatility during head-down tilt with elevated carbon dioxide: the SPACECOT Study. <i>Journal of Applied Physiology</i> , 2017, 123, 62-70.	2.5	22
16	Prevalence and related factors of depressive symptoms in hemodialysis patients in northern China. <i>BMC Psychiatry</i> , 2017, 17, 128.	2.6	23
17	Noninvasive and continuous blood pressure measurement via superficial temporal artery tonometry. , 2016, 2016, 3382-3385.		8
18	Ambulatory diffuse optical tomography and multimodality physiological monitoring system for muscle and exercise applications. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.	2.6	18

#	ARTICLE	IF	CITATIONS
19	Evidence for cerebral edema, cerebral perfusion, and intracranial pressure elevations in acute mountain sickness. <i>Brain and Behavior</i> , 2016, 6, e00437.	2.2	26
20	Pilot Development of BP-Glass for Unobtrusive Ambulatory Blood Pressure Monitoring. <i>Iproceedings</i> , 2015, 1, e8.	0.1	3
21	Twenty-four-hour ambulatory recording of cerebral hemodynamics, systemic hemodynamics, electrocardiography, and actigraphy during people's daily activities. <i>Journal of Biomedical Optics</i> , 2014, 19, 047003.	2.6	16
22	Scalp and skull influence on near infrared photon propagation in the Colin27 brain template. <i>NeuroImage</i> , 2014, 85, 136-149.	4.2	129
23	Depth Sensitivity and Source-Detector Separations for Near Infrared Spectroscopy Based on the Colin27 Brain Template. <i>PLoS ONE</i> , 2013, 8, e66319.	2.5	185
24	Development of motion resistant instrumentation for ambulatory near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2011, 16, 087008.	2.6	29
25	Near-Infrared Neuroimaging with NinPy. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 12.	2.5	18
26	Low Power Laser Irradiation Stimulates the Proliferation of Adult Human Retinal Pigment Epithelial Cells in Culture. <i>Cellular and Molecular Bioengineering</i> , 2009, 2, 87-103.	2.1	8
27	Adaptive filtering to reduce global interference in non-invasive NIRS measures of brain activation: How well and when does it work?. <i>NeuroImage</i> , 2009, 45, 788-794.	4.2	165
28	Adaptive filtering to reduce global interference in evoked brain activity detection: a human subject case study. <i>Journal of Biomedical Optics</i> , 2007, 12, 064009.	2.6	111
29	Adaptive filtering for global interference cancellation and real-time recovery of evoked brain activity: a Monte Carlo simulation study. <i>Journal of Biomedical Optics</i> , 2007, 12, 044014.	2.6	140
30	Coregistered tomographic x-ray and optical breast imaging: initial results. <i>Journal of Biomedical Optics</i> , 2005, 10, 024033.	2.6	142
31	Imaging the body with diffuse optical tomography. <i>IEEE Signal Processing Magazine</i> , 2001, 18, 57-75.	5.6	578
32	Study of near infrared technology for intracranial hematoma detection. <i>Journal of Biomedical Optics</i> , 2000, 5, 206.	2.6	67