

Quan Zhang

List of Publications by Year in descending order

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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	Imaging the body with diffuse optical tomography. IEEE Signal Processing Magazine, 2001, 18, 57-75.	5.6	578
2	Depth Sensitivity and Source-Detector Separations for Near Infrared Spectroscopy Based on the Colin27 Brain Template. PLoS ONE, 2013, 8, e66319.	2.5	185
3	Adaptive filtering to reduce global interference in non-invasive NIRS measures of brain activation: How well and when does it work?. NeuroImage, 2009, 45, 788-794.	4.2	165
4	Coregistered tomographic x-ray and optical breast imaging: initial results. Journal of Biomedical Optics, 2005, 10, 024033.	2.6	142
5	Adaptive filtering for global interference cancellation and real-time recovery of evoked brain activity: a Monte Carlo simulation study. Journal of Biomedical Optics, 2007, 12, 044014.	2.6	140
6	Scalp and skull influence on near infrared photon propagation in the Colin27 brain template. NeuroImage, 2014, 85, 136-149.	4.2	129
7	Adaptive filtering to reduce global interference in evoked brain activity detection: a human subject case study. Journal of Biomedical Optics, 2007, 12, 064009.	2.6	111
8	Textile-Enabled Highly Reproducible Flexible Pressure Sensors for Cardiovascular Monitoring. Advanced Materials Technologies, 2018, 3, 1700222.	5.8	72
9	Study of near infrared technology for intracranial hematoma detection. Journal of Biomedical Optics, 2000, 5, 206.	2.6	67
10	Wearable brain imaging with multimodal physiological monitoring. Journal of Applied Physiology, 2018, 124, 564-572.	2.5	30
11	Development of motion resistant instrumentation for ambulatory near-infrared spectroscopy. Journal of Biomedical Optics, 2011, 16, 087008.	2.6	29
12	Evidence for cerebral edema, cerebral perfusion, and intracranial pressure elevations in acute mountain sickness. Brain and Behavior, 2016, 6, e00437.	2.2	26
13	Prevalence and related factors of depressive symptoms in hemodialysis patients in northern China. BMC Psychiatry, 2017, 17, 128.	2.6	23
14	Increased cerebral blood volume pulsatility during head-down tilt with elevated carbon dioxide: the SPACECOT Study. Journal of Applied Physiology, 2017, 123, 62-70.	2.5	22
15	Neural Activity and Decoding of Action Observation Using Combined EEG and fNIRS Measurement. Frontiers in Human Neuroscience, 2019, 13, 357.	2.0	20
16	Near-Infrared Neuroimaging with NinPy. Frontiers in Neuroinformatics, 2009, 3, 12.	2.5	18
17	Ambulatory diffuse optical tomography and multimodality physiological monitoring system for muscle and exercise applications. Journal of Biomedical Optics, 2016, 21, 1.	2.6	18
18	A Highly Sensitive Amperometric Glutamate Oxidase Microbiosensor Based on a Reduced Graphene Oxide/Prussian Blue Nanocube/Gold Nanoparticle Composite Film-Modified Pt Electrode. Sensors, 2020, 20, 2924.	3.8	17

#	ARTICLE	IF	CITATIONS
19	Neuro-ophthalmic imaging and visual assessment technology for spaceflight associated neuro-ocular syndrome (SANS). Survey of Ophthalmology, 2022, 67, 1443-1466.	4.0	17
20	Twenty-four-hour ambulatory recording of cerebral hemodynamics, systemic hemodynamics, electrocardiography, and actigraphy during people's daily activities. Journal of Biomedical Optics, 2014, 19, 047003.	2.6	16
21	New Tools and Methods in Selection of Air Traffic Controllers Based on Multimodal Psychophysiological Measurements. IEEE Access, 2019, 7, 174873-174888.	4.2	16
22	Task-State Heart Rate Variability Parameter- Based Depression Detection Model and Effect of Therapy on the Parameters. IEEE Access, 2019, 7, 105701-105709.	4.2	13
23	Stress Resilience Assessment Based on Physiological Features in Selection of Air Traffic Controllers. IEEE Access, 2019, 7, 41989-42005.	4.2	13
24	Low Power Laser Irradiation Stimulates the Proliferation of Adult Human Retinal Pigment Epithelial Cells in Culture. Cellular and Molecular Bioengineering, 2009, 2, 87-103.	2.1	8
25	Noninvasive and continuous blood pressure measurement via superficial temporal artery tonometry. , 2016, 2016, 3382-3385.		8
26	Technology Development for Simultaneous Wearable Monitoring of Cerebral Hemodynamics and Blood Pressure. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1952-1963.	6.3	8
27	Prediction of Task Performance From Physiological Features of Stress Resilience. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2150-2161.	6.3	8
28	Brain Fingerprinting and Lie Detection: A Study of Dynamic Functional Connectivity Patterns of Deception Using EEG Phase Synchrony Analysis. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 600-613.	6.3	6
29	Pilot Development of BP-Glass for Unobtrusive Ambulatory Blood Pressure Monitoring. Iproceedings, 2015, 1, e8.	0.1	3
30	Hitless Wavelength-Selective Switch Using a Single Microring Resonator Assisted With a Symmetric MZI. IEEE Photonics Technology Letters, 2020, 32, 402-405.	2.5	2
31	Hybrid motion artifact detection and correction approach for functional near-infrared spectroscopy measurements. Journal of Biomedical Optics, 2022, 27, .	2.6	2
32	A wearable near infrared and tonometry-based headband for cerebrovascular autoregulation monitor. , 2021, , .		0