Gary E Strangman

List of Publications by Year
in descending order

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33	3,672	430442	454577
papers	citations	18 h-index	30 g-index

34	34	34	3114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tacklersâ€™ Head Inertial Accelerations Can Be Decreased by Altering the Way They Engage in Contact with Ball Carriersâ€™ Torsos. Medicine and Science in Sports and Exercise, 2022, Publish Ahead of Print, .	0.2	3
2	Neuro-ophthalmic imaging and visual assessment technology for spaceflight associated neuro-ocular syndrome (SANS). Survey of Ophthalmology, 2022, 67, 1443-1466.	1.7	17
3	Safety Review and Perspectives of Transcranial Focused Ultrasound Brain Stimulation. Brain & Neurorehabilitation, 2021, 14, .	0.4	16
4	Prediction of Task Performance From Physiological Features of Stress Resilience. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2150-2161.	3.9	8
5	Performance on the Robotics On-Board Trainer (ROBoT-r) Spaceflight Simulation During Acute Sleep Deprivation. Frontiers in Neuroscience, 2020, 14, 697.	1.4	7
6	Deep-space applications for point-of-care technologies. Current Opinion in Biomedical Engineering, 2019, 11, 45-50.	1.8	6
7	Stress Resilience Assessment Based on Physiological Features in Selection of Air Traffic Controllers. IEEE Access, 2019, 7, 41989-42005.	2.6	13
8	New Tools and Methods in Selection of Air Traffic Controllers Based on Multimodal Psychophysiological Measurements. IEEE Access, 2019, 7, 174873-174888.	2.6	16
9	Technology Development for Simultaneous Wearable Monitoring of Cerebral Hemodynamics and Blood Pressure. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1952-1963.	3.9	8
10	Validation of the fNIRS Pioneerâ„¢, a Portable, Durable, Rugged functional Near-Infrared Spectroscopy (fNIRS) Device. , 2019, , .		5
11	Wearable brain imaging with multimodal physiological monitoring. Journal of Applied Physiology, 2018, 124, 564-572.	1.2	30
12	An international collaboration studying the physiological and anatomical cerebral effects of carbon dioxide during head-down tilt bed rest: the SPACECOT study. Journal of Applied Physiology, 2017, 122, 1398-1405.	1.2	18
13	Increased cerebral blood volume pulsatility during head-down tilt with elevated carbon dioxide: the SPACECOT Study. Journal of Applied Physiology, 2017, 123, 62-70.	1.2	22
14	Acute Mountain Sickness Symptoms Depend on Normobaric versus Hypobaric Hypoxia. BioMed Research International, 2016, 2016, 1-9.	0.9	14
15	Ambulatory diffuse optical tomography and multimodality physiological monitoring system for muscle and exercise applications. Journal of Biomedical Optics, 2016, 21, 1.	1.4	18
16	Twenty-four-hour ambulatory recording of cerebral hemodynamics, systemic hemodynamics, electrocardiography, and actigraphy during peopleâ€™s daily activities. Journal of Biomedical Optics, 2014, 19, 047003.	1.4	16
17	Human Cognitive Performance in Spaceflight and Analogue Environments. Aviation, Space, and Environmental Medicine, 2014, 85, 1033-1048.	0.6	120
18	Changes in cerebral scattering and hemodynamics associated with acute mountain sickness. FASEB Journal, 2013, 27, 1203.9.	0.2	0

#	Article	IF	Citations
19	Fractional anisotropy helps predicts memory rehabilitation outcome after traumatic brain injury. NeuroRehabilitation, 2012, 31, 295-310.	0.5	22
20	Development of motion resistant instrumentation for ambulatory near-infrared spectroscopy. Journal of Biomedical Optics, 2011, 16, 087008.	1.4	29
21	Near-Infrared Neuroimaging with NinPy. Frontiers in Neuroinformatics, 2009, 3, 12.	1.3	18
22	Neurophysiological Alterations During Strategy-Based Verbal Learning in Traumatic Brain Injury. Neurorehabilitation and Neural Repair, 2009, 23, 226-236.	1.4	35
23	Prediction of Memory Rehabilitation Outcomes in Traumatic Brain Injury by Using Functional Magnetic Resonance Imaging. Archives of Physical Medicine and Rehabilitation, 2008, 89, 974-981.	0.5	54
24	Adaptive filtering to reduce global interference in evoked brain activity detection: a human subject case study. Journal of Biomedical Optics, 2007, 12, 064009.	1.4	111
25	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.	1.4	140
26	Near-Infrared Spectroscopy and Imaging for Investigating Stroke Rehabilitation: Test-Retest Reliability and Review of the Literature. Archives of Physical Medicine and Rehabilitation, 2006, 87, 12-19.	0.5	49
27	Functional Neuroimaging and Cognitive Rehabilitation for People with Traumatic Brain Injury. American Journal of Physical Medicine and Rehabilitation, 2005, 84, 62-75.	0.7	63
28	Functional brain imaging of a complex navigation task following one night of total sleep deprivation: a preliminary study. Journal of Sleep Research, 2005, 14, 369-375.	1.7	21
29	Learning Motor Sequences with and without Knowledge of Governing Rules. Neurorehabilitation and Neural Repair, 2005, 19, 93-114.	1.4	13
30	Factors affecting the accuracy of near-infrared spectroscopy concentration calculations for focal changes in oxygenation parameters. NeuroImage, 2003, 18, 865-879.	2.1	490
31	Non-invasive neuroimaging using near-infrared light. Biological Psychiatry, 2002, 52, 679-693.	0.7	765
32	A Quantitative Comparison of Simultaneous BOLD fMRI and NIRS Recordings during Functional Brain Activation. NeuroImage, 2002, 17, 719-731.	2.1	1,092
33	A quantitative comparison of simultaneous BOLD fMRI and NIRS recordings during functional brain activation. NeuroImage, 2002, 17, 719-31.	2.1	433