

Gary E Strangman

List of Publications by Year in descending order

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33
papers

3,672
citations

430442

18
h-index

454577

30
g-index

34
all docs

34
docs citations

34
times ranked

3114
citing authors

#	ARTICLE	IF	CITATIONS
1	A Quantitative Comparison of Simultaneous BOLD fMRI and NIRS Recordings during Functional Brain Activation. <i>NeuroImage</i> , 2002, 17, 719-731.	2.1	1,092
2	Non-invasive neuroimaging using near-infrared light. <i>Biological Psychiatry</i> , 2002, 52, 679-693.	0.7	765
3	Factors affecting the accuracy of near-infrared spectroscopy concentration calculations for focal changes in oxygenation parameters. <i>NeuroImage</i> , 2003, 18, 865-879.	2.1	490
4	A quantitative comparison of simultaneous BOLD fMRI and NIRS recordings during functional brain activation. <i>NeuroImage</i> , 2002, 17, 719-31.	2.1	433
5	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.	1.4	140
6	Human Cognitive Performance in Spaceflight and Analogue Environments. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 1033-1048.	0.6	120
7	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.	1.4	111
8	Functional Neuroimaging and Cognitive Rehabilitation for People with Traumatic Brain Injury. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2005, 84, 62-75.	0.7	63
9	Prediction of Memory Rehabilitation Outcomes in Traumatic Brain Injury by Using Functional Magnetic Resonance Imaging. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 974-981.	0.5	54
10	Near-Infrared Spectroscopy and Imaging for Investigating Stroke Rehabilitation: Test-Retest Reliability and Review of the Literature. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006, 87, 12-19.	0.5	49
11	Neurophysiological Alterations During Strategy-Based Verbal Learning in Traumatic Brain Injury. <i>Neurorehabilitation and Neural Repair</i> , 2009, 23, 226-236.	1.4	35
12	Wearable brain imaging with multimodal physiological monitoring. <i>Journal of Applied Physiology</i> , 2018, 124, 564-572.	1.2	30
13	Development of motion resistant instrumentation for ambulatory near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2011, 16, 087008.	1.4	29
14	Fractional anisotropy helps predicts memory rehabilitation outcome after traumatic brain injury. <i>NeuroRehabilitation</i> , 2012, 31, 295-310.	0.5	22
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.	1.2	22
16	Functional brain imaging of a complex navigation task following one night of total sleep deprivation: a preliminary study. <i>Journal of Sleep Research</i> , 2005, 14, 369-375.	1.7	21
17	Near-Infrared Neuroimaging with NinPy. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 12.	1.3	18
18	Ambulatory diffuse optical tomography and multimodality physiological monitoring system for muscle and exercise applications. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.	1.4	18

#	ARTICLE	IF	CITATIONS
19	An international collaboration studying the physiological and anatomical cerebral effects of carbon dioxide during head-down tilt bed rest: the SPACECOT study. <i>Journal of Applied Physiology</i> , 2017, 122, 1398-1405.	1.2	18
20	Neuro-ophthalmic imaging and visual assessment technology for spaceflight associated neuro-ocular syndrome (SANS). <i>Survey of Ophthalmology</i> , 2022, 67, 1443-1466.	1.7	17
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.	1.4	16
22	New Tools and Methods in Selection of Air Traffic Controllers Based on Multimodal Psychophysiological Measurements. <i>IEEE Access</i> , 2019, 7, 174873-174888.	2.6	16
23	Safety Review and Perspectives of Transcranial Focused Ultrasound Brain Stimulation. <i>Brain & Neurorehabilitation</i> , 2021, 14, .	0.4	16
24	Acute Mountain Sickness Symptoms Depend on Normobaric versus Hypobaric Hypoxia. <i>BioMed Research International</i> , 2016, 2016, 1-9.	0.9	14
25	Learning Motor Sequences with and without Knowledge of Governing Rules. <i>Neurorehabilitation and Neural Repair</i> , 2005, 19, 93-114.	1.4	13
26	Stress Resilience Assessment Based on Physiological Features in Selection of Air Traffic Controllers. <i>IEEE Access</i> , 2019, 7, 41989-42005.	2.6	13
27	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.	3.9	8
28	Prediction of Task Performance From Physiological Features of Stress Resilience. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 2150-2161.	3.9	8
29	Performance on the Robotics On-Board Trainer (ROBoT-r) Spaceflight Simulation During Acute Sleep Deprivation. <i>Frontiers in Neuroscience</i> , 2020, 14, 697.	1.4	7
30	Deep-space applications for point-of-care technologies. <i>Current Opinion in Biomedical Engineering</i> , 2019, 11, 45-50.	1.8	6
31	Validation of the fNIRS Pioneer, a Portable, Durable, Rugged functional Near-Infrared Spectroscopy (fNIRS) Device. , 2019, , .		5
32	Tacklers' Head Inertial Accelerations Can Be Decreased by Altering the Way They Engage in Contact with Ball Carriers' Torsos. <i>Medicine and Science in Sports and Exercise</i> , 2022, Publish Ahead of Print, .	0.2	3
33	Changes in cerebral scattering and hemodynamics associated with acute mountain sickness. <i>FASEB Journal</i> , 2013, 27, 1203.9.	0.2	0