

Kurtulus Izzetoglu

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

3,031
citations

361045

20
h-index

182168

51
g-index

88
all docs

88
docs citations

88
times ranked

2329
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional near-infrared spectroscopy to assess pain in neonatal circumcisions. Paediatric Anaesthesia, 2022, 32, 404-412.	0.6	9
2	Cognitive Workload Impacts of Simulated Visibility Changes During Search and Surveillance Tasks Quantified by Functional Near Infrared Spectroscopy. IEEE Transactions on Human-Machine Systems, 2022, 52, 658-667.	2.5	4
3	Individual differences in skill acquisition and transfer assessed by dual task training performance and brain activity. Brain Informatics, 2022, 9, 9.	1.8	6
4	Individual Differences in fNIRS Measures of Cognitive Workload During a UAS Mission. Lecture Notes in Computer Science, 2021, , 49-62.	1.0	2
5	Cognitive Workload Quantified by Physiological Sensors in Realistic Immersive Settings. Lecture Notes in Computer Science, 2021, , 119-133.	1.0	1
6	Single-Trial Recognition of Video Gamer's Expertise from Brain Haemodynamic and Facial Emotion Responses. Brain Sciences, 2021, 11, 106.	1.1	12
7	Studying Brain Activation during Skill Acquisition via Robot-Assisted Surgery Training. Brain Sciences, 2021, 11, 937.	1.1	7
8	Examining Mental Workload in a Spatial Navigation Transfer Game via Functional near Infrared Spectroscopy. Brain Sciences, 2021, 11, 45.	1.1	5
9	Evaluation of fNIRS signal components elicited by cognitive and hypercapnic stimuli. Scientific Reports, 2021, 11, 23457.	1.6	12
10	Multilayer, Dynamic, Mixed Solid/Liquid Human Head Models for the Evaluation of Near Infrared Spectroscopy Systems. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8441-8451.	2.4	6
11	The Effect of Anthropomorphization and Gender of a Robot on Human-Robot Interactions. Advances in Intelligent Systems and Computing, 2020, , 357-362.	0.5	8
12	Multimodal Analysis Using Neuroimaging and Eye Movements to Assess Cognitive Workload. Lecture Notes in Computer Science, 2020, , 50-63.	1.0	6
13	Assessing Variable Levels of Delegated Control " A Novel Measure of Trust. Lecture Notes in Computer Science, 2020, , 202-215.	1.0	4
14	A Neuroimaging Approach to Evaluate Choices and Compare Performance of Tower Air Traffic Controllers During Missed Approaches. Lecture Notes in Computer Science, 2020, , 107-117.	1.0	0
15	Assessing Correlation Between Virtual Reality Based Serious Gaming Performance and Cognitive Workload Changes via Functional Near Infrared Spectroscopy. Lecture Notes in Computer Science, 2019, , 375-383.	1.0	1
16	Towards Gamers' Experience Level Decoding with Optical Brain Imaging. , 2019, , .		1
17	Performance Monitoring via Functional Near Infrared Spectroscopy for Virtual Reality Based Basic Life Support Training. Frontiers in Neuroscience, 2019, 13, 1336.	1.4	25
18	The Use of Functional Near-Infrared Spectroscopy in Neuroergonomics. , 2019, , 17-25.		22

#	ARTICLE	IF	CITATIONS
19	Early diagnosis of traumatic intracranial hematomas. Journal of Biomedical Optics, 2019, 24, 1.	1.4	30
20	Human Performance Assessment: Evaluation of Wearable Sensors for Monitoring Brain Activity. , 2019, , 163-180.		11
21	Neural Correlates of Math Anxiety of Consumer Choices on Price Promotions. Advances in Intelligent Systems and Computing, 2019, , 152-160.	0.5	0
22	Construction of Air Traffic Controllerâ€™s Decision Network Using Error-Related Potential. Lecture Notes in Computer Science, 2019, , 384-393.	1.0	2
23	Investigation of optical neuro-monitoring technique for detection of maintenance and emergence states during general anesthesia. Journal of Clinical Monitoring and Computing, 2018, 32, 147-163.	0.7	19
24	Using Neural Correlates for Enhancing Customer Experience Through Effective Visual Price Placement. , 2018, , 285-286.		0
25	Predicting Audience Preferences for Television Advertisements Using Functional Brain Imaging. , 2018, , 265-266.		1
26	Using Functional near Infrared Spectroscopy to Assess Cognitive Performance of UAV Sensor Operators during Route Scanning. , 2018, , .		7
27	UAV Operator mental workload - A neurophysiological comparison of mental workload and vigilance. , 2017, , .		8
28	Investigation of data-driven optical neuromonitoring approach during general anesthesia with sevoflurane. Neurophotonics, 2017, 4, 1.	1.7	11
29	Is Functional Near Infrared Spectroscopy (fNIRS) Appropriate for your Research?. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 188-190.	0.2	2
30	Near-Infrared Spectroscopy for the Evaluation of Anesthetic Depth. BioMed Research International, 2015, 2015, 1-11.	0.9	21
31	Investigation of Functional Near Infrared Spectroscopy in Evaluation of Pilot Expertise Acquisition. Lecture Notes in Computer Science, 2015, , 232-243.	1.0	6
32	UAV Operators Workload Assessment by Optical Brain Imaging Technology (fNIR). , 2015, , 2475-2500.		21
33	Cognitive Workload and Learning Assessment During the Implementation of a Next-Generation Air Traffic Control Technology Using Functional Near-Infrared Spectroscopy. IEEE Transactions on Human-Machine Systems, 2014, 44, 429-440.	2.5	53
34	A Functional Near-Infrared Spectroscopy Study of Lexical Decision Task Supports the Dual Route Model and the Phonological Deficit Theory of Dyslexia. Journal of Learning Disabilities, 2014, 47, 279-288.	1.5	11
35	Functional near-infrared spectroscopy for the measurement of propofol effects in conscious sedation during outpatient elective colonoscopy. NeuroImage, 2014, 85, 626-636.	2.1	15
36	Molecular concentration of deoxyHb in human prefrontal cortex predicts the emergence and suppression of consciousness. NeuroImage, 2014, 85, 616-625.	2.1	27

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37	Testing a Multi-wavelength, Multi-distance fNIR Probe as a Measure of Cerebral Oxygen Saturation for Use in a Feedback Titrated Oxygen Delivery System. , 2013, , .		0
38	Continuous monitoring of brain dynamics with functional near infrared spectroscopy as a tool for neuroergonomic research: empirical examples and a technological development. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 871.	1.0	211
39	Functional Near-Infrared Spectroscopy in Addiction Treatment: Preliminary Evidence as a Biomarker of Treatment Response. <i>Lecture Notes in Computer Science</i> , 2013, , 250-258.	1.0	6
40	Brain in the Loop Learning Using Functional Near Infrared Spectroscopy. <i>Lecture Notes in Computer Science</i> , 2013, , 381-389.	1.0	5
41	Human Performance Assessment Study in Aviation Using Functional Near Infrared Spectroscopy. <i>Lecture Notes in Computer Science</i> , 2013, , 433-442.	1.0	6
42	Functional brain activity monitoring during Unmanned Aerial Vehicle coordination. , 2012, , .		2
43	Monitoring expertise development during simulated UAV piloting tasks using optical brain imaging. , 2012, , .		42
44	Frontal lobe role in simple arithmetic calculations: An fNIR study. <i>Neuroscience Letters</i> , 2012, 510, 43-47.	1.0	20
45	Optical brain monitoring for operator training and mental workload assessment. <i>NeuroImage</i> , 2012, 59, 36-47.	2.1	526
46	A Working Memory Deficit among Dyslexic Readers with No Phonological Impairment as Measured Using the N-Back Task: An fNIR Study. <i>PLoS ONE</i> , 2012, 7, e46527.	1.1	7
47	Using Brain Activity to Predict Task Performance and Operator Efficiency. <i>Lecture Notes in Computer Science</i> , 2012, , 147-155.	1.0	18
48	Treatment Status Predicts Differential Prefrontal Cortical Responses to Alcohol and Natural Reinforcer Cues among Alcohol Dependent Individuals. <i>Lecture Notes in Computer Science</i> , 2012, , 183-191.	1.0	4
49	fNIRS Study of Walking and Walking While Talking in Young and Old Individuals. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011, 66A, 879-887.	1.7	337
50	Bridging Brain and Educational Sciences: An Optical Brain Imaging Study of Visuospatial Reasoning. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 29, 300-309.	0.5	10
51	Optical Brain Imaging to Enhance UAV Operator Training, Evaluation, and Interface Development. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2011, 61, 423-443.	2.0	35
52	THE EVOLUTION OF FIELD DEPLOYABLE fNIR SPECTROSCOPY FROM BENCH TO CLINICAL SETTINGS. <i>Journal of Innovative Optical Health Sciences</i> , 2011, 04, 239-250.	0.5	55
53	Implementation of fNIRS for Monitoring Levels of Expertise and Mental Workload. <i>Lecture Notes in Computer Science</i> , 2011, , 13-22.	1.0	41
54	Brain Activity of Young and Adult Hebrew Speakers during Lexical Decision Task: fNIR Application to Language. <i>Lecture Notes in Computer Science</i> , 2011, , 231-239.	1.0	5

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55	Brain in the Loop: Assessing Learning Using fNIR in Cognitive and Motor Tasks. Lecture Notes in Computer Science, 2011, , 240-249.	1.0	12
56	Estimation of Cognitive Workload during Simulated Air Traffic Control Using Optical Brain Imaging Sensors. Lecture Notes in Computer Science, 2011, , 549-558.	1.0	12
57	Applications of Functional Near Infrared Imaging: Case Study on UAV Ground Controller. Lecture Notes in Computer Science, 2011, , 608-617.	1.0	8
58	Using MazeSuite and Functional Near Infrared Spectroscopy to Study Learning in Spatial Navigation. Journal of Visualized Experiments, 2011, , .	0.2	153
59	An indoor study to evaluate a mixed-reality interface for unmanned aerial vehicle operations in near earth environments. , 2010, , .		2
60	Efficient learning produces spontaneous neural repetition suppression in prefrontal cortex. Behavioural Brain Research, 2010, 208, 502-508.	1.2	27
61	Optical Brain Imaging to Enhance UAV Operator Training, Evaluation, and Interface Development. , 2010, , 423-443.		5
62	Cognitive Workload Assessment of Air Traffic Controllers Using Optical Brain Imaging Sensors. Advances in Human Factors and Ergonomics Series, 2010, , 21-31.	0.2	30
63	Microwave Photonics applied to fNIR based biomedical imaging?. , 2009, , .		2
64	Does dorsolateral prefrontal cortex (DLPFC) activation return to baseline when sexual stimuli cease?. Neuroscience Letters, 2007, 416, 55-60.	1.0	37
65	A lasting post-stimulus activation on dorsolateral prefrontal cortex is produced when processing valence and arousal in visual affective stimuli. Neuroscience Letters, 2007, 422, 147-152.	1.0	35
66	Functional brain imaging using near-infrared technology. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 38-46.	1.1	143
67	Differential time course and intensity of PFC activation for men and women in response to emotional stimuli: A functional near-infrared spectroscopy (fNIRS) study. Neuroscience Letters, 2006, 403, 90-95.	1.0	67
68	Registering fNIR Data to Brain Surface Image using MRI templates. , 2006, 2006, 2671-4.		90
69	Functional near-infrared spectroscopy. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 54-62.	1.1	250
70	Registering fNIR Data to Brain Surface Image using MRI templates. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
71	Functional near-infrared neuroimaging. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2005, 13, 153-159.	2.7	207
72	Functional near-infrared neuroimaging. , 2004, 2004, 5333-6.		12

#	ARTICLE	IF	CITATIONS
73	<title>Motion artifact removal in FNIR spectroscopy for real-world applications</title>. , 2004, 5588, 224.		5
74	Functional Optical Brain Imaging Using Near-Infrared During Cognitive Tasks. International Journal of Human-Computer Interaction, 2004, 17, 211-227.	3.3	187
75	An automated intelligent diagnostic system for the interpretation of umbilical artery Doppler velocimetry. European Journal of Radiology, 1996, 23, 162-167.	1.2	7
76	Functional brain monitoring via NIR based optical spectroscopy. , 0, , .		7
77	Cognitive Performance Assessment of UAS Sensor Operators via Neurophysiological Measures. Frontiers in Human Neuroscience, 0, 12, .	1.0	7
78	Neural Correlates of Math Anxiety and Ability on Price Promotions and Consumer Decisions. Frontiers in Human Neuroscience, 0, 12, .	1.0	0
79	Audience preference prediction for commercials using fNIRS. Frontiers in Human Neuroscience, 0, 12, .	1.0	0