

Hasan Ayaz

List of Publications by Year in descending order

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Version: 2024-02-01

178
papers

5,109
citations

109321

35
h-index

118850

62
g-index

194
all docs

194
docs citations

194
times ranked

4127
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of prefrontal theta burst stimulation on neuronal activity and subsequent eating behavior: an interleaved rTMS and fNIRS study. <i>Social Cognitive and Affective Neuroscience</i> , 2023, 18, .	3.0	2
2	Altered prefrontal activation during the inhibition of eating responses in women with bulimia nervosa. <i>Psychological Medicine</i> , 2023, 53, 3580-3590.	4.5	3
3	Exploratory fNIRS Assessment of Differences in Activation in Virtual Reality Visual Self-Expression Including With a Fragrance Stimulus. <i>Art Therapy</i> , 2022, 39, 128-137.	0.8	7
4	Designing Manâ€™s New Best Friend: Enhancing Human-Robot Dog Interaction through Dog-Like Framing and Appearance. <i>Sensors</i> , 2022, 22, 1287.	3.8	2
5	Phantom and Model-Based Near Infrared Spectroscopy Measurements of Intracranial Hematoma From Infants to Adults. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-9.	4.7	1
6	Neural correlates of cognitive control in women with a history of sexual violence suggest altered prefrontal cortical activity during cognitive processing. <i>Women's Health</i> , 2022, 18, 174550572210813.	1.5	0
7	Neuroadaptive Training via fNIRS in Flight Simulators. <i>Frontiers in Neuroergonomics</i> , 2022, 3, .	1.1	6
8	083â€™...Neural efficiency among concussed and uninjured adolescents during an N-back task: a preliminary functional near-infrared spectroscopy study. , 2022, , .		0
9	086â€™...Prefrontal cortical activation of concussed and uninjured adolescents during distraction events in a simulated driving assessment: an exploratory functional near-infrared spectroscopy study. , 2022, , .		0
10	Interpersonal traits and the neural representations of cognitive control in the prefrontal cortex. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2022, , 1.	2.0	1
11	Medial prefrontal activity during self-other judgments is modulated by relationship need fulfillment. <i>Social Neuroscience</i> , 2022, 17, 236-245.	1.3	1
12	Brain and behavior in health communication: The Canadian COVID-19 Experiences Project. <i>Brain, Behavior, & Immunity - Health</i> , 2022, 22, 100467.	2.5	5
13	Neuroergonomic assessment of developmental coordination disorder. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
14	Addressing food waste: How to position upcycled foods to different generations. <i>Journal of Consumer Behaviour</i> , 2021, 20, 242-250.	4.2	38
15	The association of prefrontal cortex response during a natural reward cue-reactivity paradigm, anhedonia, and demoralization in persons maintained on methadone. <i>Addictive Behaviors</i> , 2021, 113, 106673.	3.0	14
16	Amyotrophic Lateral Sclerosis Disease Progression Presents Difficulties in Brain Computer Interface Use. <i>Lecture Notes in Networks and Systems</i> , 2021, , 70-77.	0.7	0
17	Best practices for fNIRS publications. <i>Neurophotonics</i> , 2021, 8, 012101.	3.3	142
18	Augmented Reality Integrated Brain Computer Interface for Smart Home Control. <i>Lecture Notes in Networks and Systems</i> , 2021, , 89-97.	0.7	3

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19	Biobehavioral Aspects of the COVID-19 Pandemic: A Review. <i>Psychosomatic Medicine</i> , 2021, 83, 309-321.	2.0	21
20	A New Statistical Approach for fNIRS Hyperscanning to Predict Brain Activity of Preschoolersâ€™ Using Teacherâ€™s. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 622146.	2.0	16
21	Neurophysiological Evaluation of Haptic Feedback for Myoelectric Protheses. <i>IEEE Transactions on Human-Machine Systems</i> , 2021, 51, 253-264.	3.5	12
22	Examining the relationships among adolescent health behaviours, prefrontal function, and academic achievement using fNIRS. <i>Developmental Cognitive Neuroscience</i> , 2021, 50, 100983.	4.0	1
23	Interpersonal Synchrony Protocol for Cooperative Team Dynamics During Competitive E-Gaming. <i>Lecture Notes in Networks and Systems</i> , 2021, , 149-156.	0.7	0
24	Assessing the Impact of Ad Characteristics on Consumer Behavior and Electrodermal Activity. <i>Lecture Notes in Networks and Systems</i> , 2021, , 157-165.	0.7	0
25	Evaluating Effects of Environmental and Financial-Savings Messaging on Decision-Making Using Electrodermal Activity. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 175-182.	0.6	1
26	Medial prefrontal brain activity correlates with emerging symptoms of anxiety and depression in late adolescence: A fNIRS study. <i>Developmental Psychobiology</i> , 2021, 63, e22199.	1.6	5
27	Measuring the Effects of Messaging on Consumer Decision-Making Using Functional Near Infrared Spectroscopy. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 183-189.	0.6	0
28	Developing a tDCS-Enhanced Dual-Task Flight Simulator for Evaluating Learning. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 149-155.	0.6	0
29	Editorial: Neurotechnologies for Human Augmentation. <i>Frontiers in Neuroscience</i> , 2021, 15, 789868.	2.8	2
30	Projections and the Potential Societal Impact of the Future of Neurotechnologies. <i>Frontiers in Neuroscience</i> , 2021, 15, 658930.	2.8	7
31	Eye Tracking-Based Workload and Performance Assessment for Skill Acquisition. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 129-141.	0.6	5
32	Convolutional Neural Network for Hybrid fNIRS-EEG Mental Workload Classification. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 221-232.	0.6	26
33	Multimodal fNIRS-EEG Classification Using Deep Learning Algorithms for Brain-Computer Interfaces Purposes. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 209-220.	0.6	21
34	Brain Based Assessment of Consumer Preferences for Cognition Enhancing Hot Beverages. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 68-77.	0.6	0
35	Brain at Work and in Everyday Life as the Next Frontier: Grand Field Challenges for Neuroergonomics. <i>Frontiers in Neuroergonomics</i> , 2020, 1, .	1.1	42
36	Consumersâ€™ willingness to pay for upcycled foods. <i>Food Quality and Preference</i> , 2020, 86, 104035.	4.6	42

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37	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.	4.7	6
38	Neuroergonomic Assessment of Wheelchair Control Using Mobile fNIRS. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1488-1496.	4.9	6
39	Neuroergonomic Assessment of Hot Beverage Preparation and Consumption: An EEG and EDA Study. Frontiers in Human Neuroscience, 2020, 14, 175.	2.0	13
40	Multimodal Affective State Assessment Using fNIRS + EEG and Spontaneous Facial Expression. Brain Sciences, 2020, 10, 85.	2.3	22
41	Effects of Transcranial Direct Current Stimulation on Baseline and Slope of Prefrontal Cortex Hemodynamics During a Spatial Working Memory Task. Frontiers in Human Neuroscience, 2020, 14, 64.	2.0	12
42	Impact of Tea and Coffee Consumption on Cognitive Performance: An fNIRS and EDA Study. Applied Sciences (Switzerland), 2020, 10, 2390.	2.5	11
43	Electrodermal Activity in Ambulatory Settings: A Narrative Review of Literature. Advances in Intelligent Systems and Computing, 2020, , 91-102.	0.6	19
44	The Effect of Anthropomorphization and Gender of a Robot on Human-Robot Interactions. Advances in Intelligent Systems and Computing, 2020, , 357-362.	0.6	8
45	Reliability of Consumer Choices for Conflicting Price Promotions. Advances in Intelligent Systems and Computing, 2020, , 103-109.	0.6	2
46	The Effects of Incentives in a Choice-Based Conjoint Pricing Study. Advances in Intelligent Systems and Computing, 2020, , 84-90.	0.6	0
47	A Cross-Sectional Study Using Wireless Electrocardiogram to Investigate Physical Workload of Wheelchair Control in Real World Environments. Advances in Intelligent Systems and Computing, 2020, , 14-25.	0.6	1
48	The Effects of Advertising on Cognitive Performance. Advances in Intelligent Systems and Computing, 2020, , 78-83.	0.6	0
49	Using fNIRS and EDA to Investigate the Effects of Messaging Related to a Dimensional Theory of Emotion. Advances in Intelligent Systems and Computing, 2020, , 59-67.	0.6	3
50	Medical Interviewing with a Robot Instead of a Doctor. , 2020, , .		4
51	Does Comfort with Technology Affect Use of Wealth Management Platforms? Usability Testing with fNIRS and Eye-Tracking. Advances in Intelligent Systems and Computing, 2019, , 83-90.	0.6	1
52	Visuospatial task-related prefrontal activity is correlated with negative symptoms in schizophrenia. Scientific Reports, 2019, 9, 9575.	3.3	13
53	Investigation of the source-detector separation in near infrared spectroscopy for healthy and clinical applications. Journal of Biophotonics, 2019, 12, e201900175.	2.3	23
54	Increased neural activity in the right dorsolateral prefrontal cortex during a risky decision-making task is associated with cocaine use in methadone-maintained patients. Drug and Alcohol Dependence, 2019, 205, 107650.	3.2	12

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55	Enhancing neural efficiency of cognitive processing speed via training and neurostimulation: An fNIRS and TMS study. <i>NeuroImage</i> , 2019, 198, 73-82.	4.2	54
56	A Systematic Review of Integrated Functional Near-Infrared Spectroscopy (fNIRS) and Transcranial Magnetic Stimulation (TMS) Studies. <i>Frontiers in Neuroscience</i> , 2019, 13, 84.	2.8	67
57	A Functional Near Infra-red (fNIRS) Neurocorrelate of Loss of Control Eating (P08-017-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz044.P08-017-19.	0.3	0
58	Interacting Effects of Self-reported Physical Activity and Protein Preloads on fNIRS Measured Brain Activation During Ice Cream Intake (P08-012-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz044.P08-012-19.	0.3	0
59	Predicting Future Performance based on Current Brain Activity: An fNIRS and EEG Study. , 2019, , .		5
60	Mental Workload Classification From Spatial Representation of FNIRS Recordings Using Convolutional Neural Networks. , 2019, , .		22
61	Prefrontal cortex response to drug cues, craving, and current depressive symptoms are associated with treatment outcomes in methadone-maintained patients. <i>Neuropsychopharmacology</i> , 2019, 44, 826-833.	5.4	35
62	Progress and Direction in Neuroergonomics. , 2019, , 3-7.		4
63	The Use of Functional Near-Infrared Spectroscopy in Neuroergonomics. , 2019, , 17-25.		22
64	Neural Efficiency Metrics in Neuroergonomics. , 2019, , 133-140.		16
65	Functional Near-Infrared Spectroscopy. , 2019, , 169-173.		7
66	Web Usability Testing With Concurrent fNIRS and Eye Tracking. , 2019, , 181-186.		7
67	Comparison of Machine Learning Approaches for Motor Imagery Based Optical Brain Computer Interface. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 124-134.	0.6	3
68	Early diagnosis of traumatic intracranial hematomas. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	30
69	Machine Usability Effects on Preferences for Hot Drinks. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 376-382.	0.6	0
70	Neural Correlates of Math Anxiety of Consumer Choices on Price Promotions. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 152-160.	0.6	0
71	Principal States of Dynamic Functional Connectivity Reveal the Link Between Resting-State and Task-State Brain: An fMRI Study. <i>International Journal of Neural Systems</i> , 2018, 28, 1850002.	5.2	28
72	Decision Support and Shared Decision Making About Active Surveillance Versus Active Treatment Among Men Diagnosed with Low-Risk Prostate Cancer: a Pilot Study. <i>Journal of Cancer Education</i> , 2018, 33, 180-185.	1.3	14

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73	Neurofeedback for Personalized Adaptive Training. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 83-94.	0.6	4
74	Need fulfillment and the modulation of medial prefrontal activity when judging remembered past, perceived present, and imagined future identities. <i>Self and Identity</i> , 2018, 17, 259-275.	1.6	11
75	From food waste to value-added surplus products (<scp>VASP</scp>): Consumer acceptance of a novel food product category. <i>Journal of Consumer Behaviour</i> , 2018, 17, 57-63.	4.2	85
76	Observing the Brain-on-Task using Functional Optical Brain Monitoring. , 2018, , .		1
77	Functional Near Infrared Spectroscopy Identifies Changes in Cognitive Workload Following Pediatric Concussion. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 108-109.	0.4	0
78	Assessing Working Memory Load in Real Flight Condition With Wireless fNIRS. , 2018, , 213-214.		2
79	Embodied and Situated Cognitive Neuroscience. , 2018, , 297.		1
80	Using Neural Correlates for Enhancing Customer Experience Through Effective Visual Price Placement. , 2018, , 285-286.		0
81	Predicting Audience Preferences for Television Advertisements Using Functional Brain Imaging. , 2018, , 265-266.		1
82	Speech Recognition via fNIRS Based Brain Signals. <i>Frontiers in Neuroscience</i> , 2018, 12, 695.	2.8	30
83	The Age of Neuroergonomics: Towards Ubiquitous and Continuous Measurement of Brain Function with fNIRS. <i>Japanese Psychological Research</i> , 2018, 60, 374-386.	1.1	68
84	Portable and Wearable Brain Technologies for Neuroenhancement and Neurorehabilitation. <i>BioMed Research International</i> , 2018, 2018, 1-2.	1.9	7
85	In silico vs. Over the Clouds: On-the-Fly Mental State Estimation of Aircraft Pilots, Using a Functional Near Infrared Spectroscopy Based Passive-BCI. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 187.	2.0	84
86	Textile technologies for 3D scaffold engineering. , 2018, , 175-201.		7
87	Measuring speaker-listener neural coupling with functional near infrared spectroscopy. <i>Scientific Reports</i> , 2017, 7, 43293.	3.3	135
88	Prefrontal Hemodynamics of Physical Activity and Environmental Complexity During Cognitive Work. <i>Human Factors</i> , 2017, 59, 147-162.	3.5	47
89	Neural correlates of decision making on whole body yaw rotation: An fNIRS study. <i>Neuroscience Letters</i> , 2017, 654, 56-62.	2.1	13
90	Functional near-infrared spectroscopy assessment of reward perception based on visual self-expression: Coloring, doodling, and free drawing. <i>Arts in Psychotherapy</i> , 2017, 55, 85-92.	1.2	56

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91	Mental workload classification with concurrent electroencephalography and functional near-infrared spectroscopy. <i>Brain-Computer Interfaces</i> , 2017, 4, 175-185.	1.8	37
92	Acquisition, retention and transfer of simulated laparoscopic tasks using fNIR and a contextual interference paradigm. <i>American Journal of Surgery</i> , 2017, 213, 336-345.	1.8	36
93	Cognitive Considerations in Auditory User Interfaces: Neuroergonomic Evaluation of Synthetic Speech Comprehension. <i>Lecture Notes in Computer Science</i> , 2017, , 106-116.	1.3	2
94	Evaluation of light detector surface area for functional Near Infrared Spectroscopy. <i>Computers in Biology and Medicine</i> , 2017, 89, 68-75.	7.0	15
95	Preliminary study of neurocognitive differences in attention and fluency in Schizophrenia using fNIRS. , 2017, , .		0
96	Head Injury - Soccer. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 22-23.	0.4	0
97	Editorial: Trends in Neuroergonomics. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 165.	2.0	39
98	Multisubject "Learning" for Mental Workload Classification Using Concurrent EEG, fNIRS, and Physiological Measures. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 389.	2.0	78
99	Comparison of Functional Connectivity Estimated from Concatenated Task-State Data from Block-Design Paradigm with That of Continuous Task. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-11.	1.3	10
100	Comparison of Brain Activation during Motor Imagery and Motor Movement Using fNIRS. <i>Computational Intelligence and Neuroscience</i> , 2017, 2017, 1-12.	1.7	106
101	Virtual and Actual Humanoid Robot Control with Four-Class Motor-Imagery-Based Optical Brain-Computer Interface. <i>BioMed Research International</i> , 2017, 2017, 1-13.	1.9	31
102	Evaluation of evoked responses to pulse-matched high frequency and intermittent theta burst transcranial magnetic stimulation using simultaneous functional near-infrared spectroscopy. <i>Neurophotonics</i> , 2017, 4, 1.	3.3	12
103	Into the Wild: Neuroergonomic Differentiation of Hand-Held and Augmented Reality Wearable Displays during Outdoor Navigation with Functional Near Infrared Spectroscopy. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 216.	2.0	108
104	Predicting Treatment Outcomes from Prefrontal Cortex Activation for Self-Harming Patients with Borderline Personality Disorder: A Preliminary Study. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 220.	2.0	20
105	Does a Combination of Virtual Reality, Neuromodulation and Neuroimaging Provide a Comprehensive Platform for Neurorehabilitation? "A Narrative Review of the Literature. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 284.	2.0	119
106	Evaluating Neural Correlates of Constant-Therapy Neurorehabilitation Task Battery: An fNIRS Pilot Study. <i>Lecture Notes in Computer Science</i> , 2016, , 231-241.	1.3	1
107	Monitoring driver cognitive load using functional near infrared spectroscopy in partially autonomous cars. , 2016, , .		35
108	Is Functional Near Infrared Spectroscopy (fNIRS) Appropriate for your Research?. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 188-190.	0.3	2

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109	Modulation of Functional Connectivity and Activation during Preparation for Hand Movement. IIE Transactions on Occupational Ergonomics and Human Factors, 2016, 4, 175-187.	0.4	8
110	Basic psychological needs and neurophysiological responsiveness to decisional conflict: an event-related potential study of integrative self processes. Cognitive, Affective and Behavioral Neuroscience, 2016, 16, 848-865.	2.0	30
111	Evidence of anhedonia and differential reward processing in prefrontal cortex among post-withdrawal patients with prescription opiate dependence. Brain Research Bulletin, 2016, 123, 102-109.	3.0	89
112	Linking trait-based phenotypes to prefrontal cortex activation during inhibitory control. Social Cognitive and Affective Neuroscience, 2016, 11, 55-65.	3.0	19
113	Developing an Optical Brain-Computer Interface for Humanoid Robot Control. Lecture Notes in Computer Science, 2016, , 3-13.	1.3	5
114	Examining the Neural Correlates of Incidental Facial Emotion Encoding Within the Prefrontal Cortex Using Functional Near-Infrared Spectroscopy. Lecture Notes in Computer Science, 2016, , 102-112.	1.3	3
115	Behavioral and Neural Effects of Game-Based Learning on Improving Computational Fluency With Numbers. Zeitschrift Fur Psychologie / Journal of Psychology, 2016, 224, 297-302.	1.0	6
116	Educational neuroscience with fNIR and simulation training of surgical tasks. Journal of the American College of Surgeons, 2015, 221, e9.	0.5	1
117	Wearable functional near infrared spectroscopy (fNIRS) and transcranial direct current stimulation (tDCS): expanding vistas for neurocognitive augmentation. Frontiers in Systems Neuroscience, 2015, 9, 27.	2.5	117
118	Neural correlates of affective context in facial expression analysis: A simultaneous EEG-fNIRS study. , 2015, , .		7
119	An Optical Brain Imaging Study on the Improvements in Mathematical Fluency from Game-based Learning. , 2015, , .		6
120	Decision-making conflict and the neural efficiency hypothesis of intelligence: A functional near-infrared spectroscopy investigation. NeuroImage, 2015, 109, 307-317.	4.2	39
121	Brain-in-the-Loop Learning Using fNIR and Simulated Virtual Reality Surgical Tasks: Hemodynamic and Behavioral Effects. Lecture Notes in Computer Science, 2015, , 324-335.	1.3	13
122	Investigation of Functional Near Infrared Spectroscopy in Evaluation of Pilot Expertise Acquisition. Lecture Notes in Computer Science, 2015, , 232-243.	1.3	6
123	Neural Adaptation to a Working Memory Task: A Concurrent EEG-fNIRS Study. Lecture Notes in Computer Science, 2015, , 268-280.	1.3	13
124	UAV Operators Workload Assessment by Optical Brain Imaging Technology (fNIR). , 2015, , 2475-2500.		21
125	A problem-solving task specialized for functional neuroimaging: validation of the Scarborough adaptation of the Tower of London (S-TOL) using near-infrared spectroscopy. Frontiers in Human Neuroscience, 2014, 8, 185.	2.0	41
126	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.	3.5	53

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127	Evaluating a four-class motor-imagery-based optical brain-computer interface. , 2014, 2014, 2000-3.		19
128	Differentiating functions of the lateral and medial prefrontal cortex in motor response inhibition. NeuroImage, 2014, 85, 423-431.	4.2	55
129	Textile-templated electrospun anisotropic scaffolds for regenerative cardiac tissue engineering. Biomaterials, 2014, 35, 8540-8552.	11.4	85
130	Enhancing dual-task performance with verbal and spatial working memory training: Continuous monitoring of cerebral hemodynamics with NIRS. NeuroImage, 2014, 85, 1014-1026.	4.2	103
131	Assessment of Prefrontal Cortex Activity in Amyotrophic Lateral Sclerosis Patients with Functional Near Infrared Spectroscopy. Journal of Neuroscience and Neuroengineering, 2014, 3, 41-51.	0.2	10
132	Applying Functional Near Infrared (fNIR) Spectroscopy to Enhance MIS Research. AIS Transactions on Human-Computer Interaction, 2014, 6, 55-73.	1.5	23
133	Towards a Hybrid P300-Based BCI Using Simultaneous fNIR and EEG. Lecture Notes in Computer Science, 2013, , 335-344.	1.3	18
134	In search of integrative processes: Basic psychological need satisfaction predicts medial prefrontal activation during decisional conflict.. Journal of Experimental Psychology: General, 2013, 142, 967-978.	2.1	28
135	Neural correlates of cognitive decline in ALS: An fNIRS study of the prefrontal cortex. Cognitive Neuroscience, 2013, 4, 115-121.	1.4	16
136	EEG band powers for characterizing user engagement in P300-BCI. , 2013, , .		3
137	Functional near-infrared spectroscopy-based correlates of prefrontal cortical dynamics during a cognitive-motor executive adaptation task. Frontiers in Human Neuroscience, 2013, 7, 277.	2.0	45
138	Continuous monitoring of brain dynamics with functional near infrared spectroscopy as a tool for neuroergonomic research: empirical examples and a technological development. Frontiers in Human Neuroscience, 2013, 7, 871.	2.0	211
139	Differential Prefrontal Response during Natural and Synthetic Speech Perception: An fNIR Based Neuroergonomics Study. Lecture Notes in Computer Science, 2013, , 241-249.	1.3	2
140	Functional Near-Infrared Spectroscopy in Addiction Treatment: Preliminary Evidence as a Biomarker of Treatment Response. Lecture Notes in Computer Science, 2013, , 250-258.	1.3	6
141	Brain in the Loop Learning Using Functional Near Infrared Spectroscopy. Lecture Notes in Computer Science, 2013, , 381-389.	1.3	5
142	Human Performance Assessment Study in Aviation Using Functional Near Infrared Spectroscopy. Lecture Notes in Computer Science, 2013, , 433-442.	1.3	6
143	Functional brain activity monitoring during Unmanned Aerial Vehicle coordination. , 2012, , .		2
144	Tangram solved? Prefrontal cortex activation analysis during geometric problem solving. , 2012, 2012, 4724-7.		23

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145	A Methodology for Validating Artifact Removal Techniques for Physiological Signals. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 918-926.	3.2	91
146	Monitoring expertise development during simulated UAV piloting tasks using optical brain imaging. , 2012, , .		42
147	A P300-based EEG-BCI for spatial navigation control. , 2012, 2012, 3841-4.		21
148	Detection of attention shift for asynchronous P300-based BCI. , 2012, 2012, 3850-3.		5
149	Optical brain monitoring for operator training and mental workload assessment. NeuroImage, 2012, 59, 36-47.	4.2	526
150	Using Brain Activity to Predict Task Performance and Operator Efficiency. Lecture Notes in Computer Science, 2012, , 147-155.	1.3	18
151	Treatment Status Predicts Differential Prefrontal Cortical Responses to Alcohol and Natural Reinforcer Cues among Alcohol Dependent Individuals. Lecture Notes in Computer Science, 2012, , 183-191.	1.3	4
152	Evaluation of UAS Camera Operator Interfaces in a Simulated Task Environment: An Optical Brain Imaging Approach. Lecture Notes in Computer Science, 2012, , 62-71.	1.3	1
153	An optical brain computer interface for environmental control. , 2011, 2011, 6327-30.		20
154	Infrascanner: Cost Effective, Mobile Medical Imaging System for Detecting Hemotomas. Journal of Medical Devices, Transactions of the ASME, 2011, 5, .	0.7	8
155	Bridging Brain and Educational Sciences: An Optical Brain Imaging Study of Visuospatial Reasoning. Procedia, Social and Behavioral Sciences, 2011, 29, 300-309.	0.5	10
156	Optical Brain Imaging to Enhance UAV Operator Training, Evaluation, and Interface Development. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 423-443.	3.4	35
157	A methodology for validating artifact removal techniques for fNIRS. , 2011, 2011, 4943-6.		9
158	THE EVOLUTION OF FIELD DEPLOYABLE fNIR SPECTROSCOPY FROM BENCH TO CLINICAL SETTINGS. Journal of Innovative Optical Health Sciences, 2011, 04, 239-250.	1.0	55
159	Implementation of fNIRS for Monitoring Levels of Expertise and Mental Workload. Lecture Notes in Computer Science, 2011, , 13-22.	1.3	41
160	Brain in the Loop: Assessing Learning Using fNIR in Cognitive and Motor Tasks. Lecture Notes in Computer Science, 2011, , 240-249.	1.3	12
161	Estimation of Cognitive Workload during Simulated Air Traffic Control Using Optical Brain Imaging Sensors. Lecture Notes in Computer Science, 2011, , 549-558.	1.3	12
162	Applications of Functional Near Infrared Imaging: Case Study on UAV Ground Controller. Lecture Notes in Computer Science, 2011, , 608-617.	1.3	8

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163	Using MazeSuite and Functional Near Infrared Spectroscopy to Study Learning in Spatial Navigation. Journal of Visualized Experiments, 2011, , .	0.3	153
164	Medial prefrontal cortex hyperactivation during social exclusion in borderline personality disorder. Psychiatry Research - Neuroimaging, 2010, 181, 233-236.	1.8	77
165	Abnormal prefrontal cortical response during affective processing in borderline personality disorder. Psychiatry Research - Neuroimaging, 2010, 182, 117-122.	1.8	46
166	MindTactics: A Brain Computer Interface gaming platform. , 2010, , .		9
167	Sliding-window motion artifact rejection for Functional Near-Infrared Spectroscopy. , 2010, 2010, 6567-70.		124
168	Hemodynamic correlates of visuomotor motor adaptation by functional Near Infrared Spectroscopy. , 2010, 2010, 2918-21.		7
169	Optical Brain Imaging to Enhance UAV Operator Training, Evaluation, and Interface Development. , 2010, , 423-443.		5
170	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
171	Assessment of Cognitive Neural Correlates for a Functional Near Infrared-Based Brain Computer Interface System. Lecture Notes in Computer Science, 2009, , 699-708.	1.3	41
172	Maze Suite 1.0: A complete set of tools to prepare, present, and analyze navigational and spatial cognitive neuroscience experiments. Behavior Research Methods, 2008, 40, 353-359.	4.0	46
173	Detecting cognitive activity related hemodynamic signal for brain computer interface using functional near infrared spectroscopy. , 2007, , .		41
174	Registering fNIR Data to Brain Surface Image using MRI templates. , 2006, 2006, 2671-4.		90
175	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
176	Functional near-infrared neuroimaging. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2005, 13, 153-159.	4.9	207
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