

Keum-Shik Hong

List of Publications by Year in descending order

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419
papers

11,892
citations

22132

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docs citations

430
times ranked

5090
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Neural Network Control of an Uncertain 2-DOF Helicopter With Unknown Backlash-Like Hysteresis and Output Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10018-10027.	7.2	20
2	Robust Adaptive Fault-Tolerant Control for a Riser-Vessel System With Input Hysteresis and Time-Varying Output Constraints. IEEE Transactions on Cybernetics, 2023, 53, 3939-3950.	6.2	26
3	Adaptive Neural-Network-Based Fault-Tolerant Control for a Flexible String With Composite Disturbance Observer and Input Constraints. IEEE Transactions on Cybernetics, 2022, 52, 12843-12853.	6.2	52
4	Robust Adaptive Control of a Riser-Vessel System in Three-Dimensional Space. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4447-4456.	5.9	6
5	Adaptive Fault-Tolerant Control of a Probe-and-Drogue Refueling Hose Under Varying Length and Constrained Output. IEEE Transactions on Control Systems Technology, 2022, 30, 869-876.	3.2	10
6	Belt Model. , 2022, , 173-219.		0
7	Control of Axially Moving Strings and Beams. , 2022, , 125-172.		0
8	Plate Model. , 2022, , 233-263.		0
9	Beam Model. , 2022, , 53-123.		0
10	Control of Transcranial Direct Current Stimulation Duration by Assessing Functional Connectivity of Near-Infrared Spectroscopy Signals. International Journal of Neural Systems, 2022, 32, 2150050.	3.2	11
11	String Model. , 2022, , 13-51.		0
12	Control of Axially Moving Systems. , 2022, , .		8
13	Real-time motion artifact removal using a dual-stage median filter. Biomedical Signal Processing and Control, 2022, 72, 103301.	3.5	10
14	Neuromodulatory Effects of HD-tACS/tDCS on the Prefrontal Cortex: A Resting-State fNIRS-EEG Study. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2192-2203.	3.9	17
15	Vibration Control of a Timoshenko Cantilever Beam with Varying Length. International Journal of Control, Automation and Systems, 2022, 20, 175-183.	1.6	7
16	Acupuncture enhances brain function in patients with mild cognitive impairment: evidence from a functional-near infrared spectroscopy study. Neural Regeneration Research, 2022, 17, 1850.	1.6	18
17	A novel hybrid soft computing optimization framework for dynamic economic dispatch problem of complex non-convex contiguous constrained machines. PLoS ONE, 2022, 17, e0261709.	1.1	23
18	Optimality Condition and Distributed Optimization for Economic Dispatch Using a Novel Weighted Incremental Cost Consensus Approach. Frontiers in Energy Research, 2022, 10, .	1.2	2

#	ARTICLE	IF	CITATIONS
19	Vibration Control for a Nonlinear Three-Dimensional Suspension Cable With Input and Output Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7821-7832.	5.9	5
20	Observer-Based Relative-Output Feedback Consensus of One-Sided Lipschitz Multi-Agent Systems Subjected to Switching Graphs. IEEE Transactions on Control of Network Systems, 2022, 9, 1875-1886.	2.4	7
21	Adaptive Neural-Network Boundary Control for a Flexible Manipulator With Input Constraints and Model Uncertainties. IEEE Transactions on Cybernetics, 2021, 51, 4796-4807.	6.2	92
22	Robust resilient H_∞ performance for finite-time boundedness of neutral-type neural networks with time-varying delays. Asian Journal of Control, 2021, 23, 2474-2483.	1.9	3
23	Multi-Channel-Based Differential Pathlength Factor Estimation for Continuous-Wave fNIRS. IEEE Access, 2021, 9, 37386-37396.	2.6	11
24	Stabilization of Delayed Fuzzy Neutral-type Systems Under Intermittent Control. International Journal of Control, Automation and Systems, 2021, 19, 1408-1425.	1.6	13
25	Diagnosis of Mild Cognitive Impairment Using Cognitive Tasks: A Functional Near-Infrared Spectroscopy Study. Current Alzheimer Research, 2021, 17, 1145-1160.	0.7	21
26	Systemic Review on Transcranial Electrical Stimulation Parameters and EEG/fNIRS Features for Brain Diseases. Frontiers in Neuroscience, 2021, 15, 629323.	1.4	43
27	Quantitative Assessment of Resting-State for Mild Cognitive Impairment Detection: A Functional Near-Infrared Spectroscopy and Deep Learning Approach. Journal of Alzheimer's Disease, 2021, 80, 647-663.	1.2	29
28	A novel approach for event-triggered state-estimation of one-sided Lipschitz systems for efficient bandwidth utilization. Computational and Applied Mathematics, 2021, 40, 1.	1.0	3
29	Visual Training Improves Motor Imagery Ability for Rehabilitation. , 2021, , .		0
30	Vector Phase Analysis Approach for Sleep Stage Classification: A Functional Near-Infrared Spectroscopy-Based Passive Brain-Computer Interface. Frontiers in Human Neuroscience, 2021, 15, 658444.	1.0	9
31	Decoding Multiple Sound-Categories in the Auditory Cortex by Neural Networks: An fNIRS Study. Frontiers in Human Neuroscience, 2021, 15, 636191.	1.0	13
32	Classification of sensorimotor cortex signals based on the task durations: an fNIRS-BCI study. , 2021, , .		0
33	Boundary adaptive fault-tolerant control for a flexible Timoshenko arm with backlash-like hysteresis. Automatica, 2021, 130, 109690.	3.0	93
34	Control of a Non-uniform Flexible Beam: Identification of First Two Modes. International Journal of Control, Automation and Systems, 2021, 19, 3698-3707.	1.6	12
35	Most favorable stimulation duration in the sensorimotor cortex for fNIRS-based BCI. Biomedical Optics Express, 2021, 12, 5939.	1.5	11
36	Vibration control of an axially moving beam attached to a translating base. , 2021, , .		2

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37	Application of Deep Learning Techniques to Diagnose Mild Cognitive Impairment: Functional Near-Infrared Spectroscopy Study. , 2021, , .		2
38	Control of an Axially Moving Timoshenko Beam Attached to a Moving Base. , 2021, , .		0
39	Novel results on observer-based control of one-sided Lipschitz systems under input saturation. European Journal of Control, 2020, 53, 29-42.	1.6	19
40	Cognition-based Evaluation of Commercial Advertisement Videos using Functional Near-Infrared Spectroscopy. , 2020, , .		1
41	Investigating the effects of stimulation duration for brain-computer interface. , 2020, , .		2
42	Development of a Noninvasive Device for Detection of Degenerative Brain Disorders. , 2020, , .		0
43	Effect of stimulation duration to the existence of initial dip. , 2020, 2020, 390-393.		2
44	Compact, Portable, High-Density Functional Near-Infrared Spectroscopy System for Brain Imaging. IEEE Access, 2020, 8, 128224-128238.	2.6	22
45	Classification of Finger Tapping Tasks using Convolutional Neural Network Based on Augmented Data with Deep Convolutional Generative Adversarial Network. , 2020, , .		2
46	Model Reference Robust Adaptive Control of Control Element Drive Mechanism in a Nuclear Power Plant. International Journal of Control, Automation and Systems, 2020, 18, 1651-1661.	1.6	20
47	Detection of Mild Cognitive Impairment Using Convolutional Neural Network: Temporal-Feature Maps of Functional Near-Infrared Spectroscopy. Frontiers in Aging Neuroscience, 2020, 12, 141.	1.7	49
48	An event-triggered extended dissipative control for Takagi-Sugeno fuzzy systems with time-varying delay via free-matrix-based integral inequality. Journal of the Franklin Institute, 2020, 357, 7696-7717.	1.9	11
49	Task-Specific Stimulation Duration for fNIRS Brain-Computer Interface. IEEE Access, 2020, 8, 89093-89105.	2.6	24
50	Dynamic models of axially moving systems: A review. Nonlinear Dynamics, 2020, 100, 315-349.	2.7	66
51	Brain-machine interfaces using functional near-infrared spectroscopy: a review. Artificial Life and Robotics, 2020, 25, 204-218.	0.7	46
52	Reduction of Onset Delay in Functional Near-Infrared Spectroscopy: Prediction of HbO/HbR Signals. Frontiers in Neuroinformatics, 2020, 14, 10.	1.6	22
53	Decoding Three Different Preference Levels of Consumers Using Convolutional Neural Network: A Functional Near-Infrared Spectroscopy Study. Frontiers in Human Neuroscience, 2020, 14, 597864.	1.0	14
54	Is consumer neural response to visual merchandising types different depending on their fashion involvement?. PLoS ONE, 2020, 15, e0241578.	1.1	4

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55	Wireless high definition neuroimaging system for fNIRS using a single photosensor. , 2020, , .		1
56	Real-time Motion Artifacts and Low-Frequency Drift Correction for Functional Near-infrared Spectroscopy. , 2020, , .		0
57	Exploring the possibility for early detection of Alzheimer's disease with spatial-domain neural images. , 2020, , .		1
58	Boundary Control of an Overhead Crane Hoisting System with Flexible Rope in the Presence of Input Saturation. , 2020, , .		3
59	Online Motion-Artifact Removal in fNIRS Signals: Combined Square-Root Cubature Kalman Filter and Weighted Moving Average Model Approach. , 2020, , .		1
60	A New Hand Exoskeleton Framework for Rehabilitation of Fingers. , 2020, , .		2
61	Adaptive Sliding-Mode Control of an Offshore Container Crane With Unknown Disturbances. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2850-2861.	3.7	78
62	Evaluation of Neural Degeneration Biomarkers in the Prefrontal Cortex for Early Identification of Patients With Mild Cognitive Impairment: An fNIRS Study. Frontiers in Human Neuroscience, 2019, 13, 317.	1.0	96
63	Application of functional near-infrared spectroscopy in the healthcare industry: A review. Journal of Innovative Optical Health Sciences, 2019, 12, .	0.5	63
64	Non-fragile synchronization of genetic regulatory networks with randomly occurring controller gain fluctuation. Chinese Journal of Physics, 2019, 62, 132-143.	2.0	17
65	Enhanced Drowsiness Detection Using Deep Learning: An fNIRS Study. IEEE Access, 2019, 7, 137920-137929.	2.6	74
66	Effects of Acupuncture Therapy on MCI Patients Using Functional Near-Infrared Spectroscopy. Frontiers in Aging Neuroscience, 2019, 11, 237.	1.7	75
67	Dynamics and Control of Industrial Cranes. Advances in Industrial Control, 2019, , .	0.4	27
68	Open-Loop Control. Advances in Industrial Control, 2019, , 87-114.	0.4	0
69	Feedback Control. Advances in Industrial Control, 2019, , 115-141.	0.4	0
70	Simultaneous design of AWC and nonlinear controller for uncertain nonlinear systems under input saturation. International Journal of Robust and Nonlinear Control, 2019, 29, 2877-2897.	2.1	12
71	PSO-based Minimum-time Motion Planning for Multiple Vehicles Under Acceleration and Velocity Limitations. International Journal of Control, Automation and Systems, 2019, 17, 2610-2623.	1.6	36
72	Comparison of Neural Biomarker Assessment Methods for Early Detection of Alzheimer's Disease. , 2019, , .		3

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73	A Portable Functional Near-Infrared Spectroscopy System Using 4-wavelength LEDs. , 2019, , .		0
74	Performance evaluation of temporal features for detection of mild cognitive impairment: An fNIRS study. , 2019, , .		0
75	Quadcopter Control via Onset Eye Blink Signals: A BCI Study. , 2019, , .		1
76	Detection and Classification of Three-Class Initial Dips Using Vector Phase Analysis with Dual Threshold Circles: An fNIRS Study. , 2019, , .		5
77	Improved Classification Accuracy of MCI Patients After Acupuncture Treatment: An fNIRS Study. , 2019, , .		6
78	DEKF to Estimate Hemodynamic Response and Path-length in fNIRS Data. , 2019, , .		0
79	Enhancement in classification accuracy of motor imagery signals with visual aid: An fNIRS-BCI Study. , 2019, , .		8
80	Real-Time Display of Dense Neuronal Activation Map Using Functional Near-Infrared Spectroscopy. , 2019, , .		0
81	Diagnosis of Mild Cognitive Impairment via Task-relevant Hemodynamic Responses. IFAC-PapersOnLine, 2019, 52, 158-163.	0.5	0
82	Control of Axially Moving Systems: A Review. International Journal of Control, Automation and Systems, 2019, 17, 2983-3008.	1.6	60
83	Hemodynamics Analysis of Patients With Mild Cognitive Impairment During Working Memory Tasks. , 2019, 2019, 4470-4473.		7
84	Initial-dip-based classification for fNIRS-BCI. , 2019, , .		7
85	Distributed Parameter Models. Advances in Industrial Control, 2019, , 67-86.	0.4	0
86	Vortex-induced vibrations and control of marine risers: A review. Ocean Engineering, 2018, 152, 300-315.	1.9	136
87	Motor-commands decoding using peripheral nerve signals: a review. Journal of Neural Engineering, 2018, 15, 031004.	1.8	47
88	Active vibration control of a flexible rod moving in water: Application to nuclear refueling machines. Automatica, 2018, 93, 231-243.	3.0	63
89	Static Antiwindup Design for Nonlinear Parameter Varying Systems With Application to DC Motor Speed Control Under Nonlinearities and Load Variations. IEEE Transactions on Control Systems Technology, 2018, 26, 1091-1098.	3.2	23
90	Dynamics and Control of a Nuclear Refueling Machine. , 2018, , .		0

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91	Drone Control Using Functional Near-Infrared Spectroscopy. , 2018, , .		3
92	Initial-dip Based Quadcopter Control: Application to fNIRS-BCI. IFAC-PapersOnLine, 2018, 51, 945-950.	0.5	8
93	A Boundary Control Scheme for Vibration Suppression of a Flexible Beam Transported Under Water. , 2018, , .		1
94	Early Detection of Hemodynamic Responses Using EEG: A Hybrid EEG-fNIRS Study. Frontiers in Human Neuroscience, 2018, 12, 479.	1.0	53
95	Existence of Initial Dip for BCI: An Illusion or Reality. Frontiers in Neurorobotics, 2018, 12, 69.	1.6	64
96	Effects of HD-tDCS on Resting-State Functional Connectivity in the Prefrontal Cortex: An fNIRS Study. Complexity, 2018, 2018, 1-13.	0.9	53
97	An fNIRS-based investigation of visual merchandising displays for fashion stores. PLoS ONE, 2018, 13, e0208843.	1.1	25
98	Vector-Based Phase Analysis Approach for Initial Dip Detection Using HbO and HbR. , 2018, , 257-258.		0
99	Adaptive filtering of physiological noises in fNIRS data. BioMedical Engineering OnLine, 2018, 17, 180.	1.3	45
100	Adaptive Sliding Mode Control of a Mobile Harbor System. , 2018, , .		1
101	Multivariable Adaptive Control of the Rewinding Process of a Roll-to-roll System Governed by Hyperbolic Partial Differential Equations. International Journal of Control, Automation and Systems, 2018, 16, 2177-2186.	1.6	46
102	Neuronal Activation Detection Using Vector Phase Analysis with Dual Threshold Circles: A Functional Near-Infrared Spectroscopy Study. International Journal of Neural Systems, 2018, 28, 1850031.	3.2	64
103	Robust Adaptive Synchronization of Ring Configured Uncertain Chaotic FitzHugh-Nagumo Neurons under Direction-Dependent Coupling. Frontiers in Neurorobotics, 2018, 12, 6.	1.6	20
104	Feature Extraction and Classification Methods for Hybrid fNIRS-EEG Brain-Computer Interfaces. Frontiers in Human Neuroscience, 2018, 12, 246.	1.0	174
105	Open-Loop Vibration Control of an Underwater System: Application to Refueling Machine. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1622-1632.	3.7	53
106	Detection of primary RGB colors projected on a screen using fNIRS. Journal of Innovative Optical Health Sciences, 2017, 10, 1750006.	0.5	42
107	Classification of somatosensory cortex activities using fNIRS. Behavioural Brain Research, 2017, 333, 225-234.	1.2	66
108	Comparison of brain areas for executed and imagined movements after motor training: An fNIRS study. , 2017, , .		1

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109	Classification of prefrontal and motor cortex initial dips for fNIRS-based-BCI. , 2017, , .		1
110	Active vortex-induced vibration control of a flexible rod transported in water. , 2017, , .		0
111	Sliding mode control of a dual-trolley mobile harbor crane in the presence of wave-induced ship motions. , 2017, , .		1
112	Initial-dip based identification of the brain area for right-hand finger movement. , 2017, , .		0
113	Utilization of fNIRS signals as feedback for sensory decoding. , 2017, , .		0
114	Active vibration control of a flexible rod in water. , 2017, , .		1
115	Development of a dual wavelength 32-channel functional near-infrared spectroscopy based neuroimaging system. , 2017, , .		1
116	Investigate the visual merchandising of a fashion store using fNIRS. , 2017, , .		0
117	Hybrid EEG-fNIRS based quadcopter control using active prefrontal commands. , 2017, , .		0
118	Residual vibration control of a nuclear refueling machine. , 2017, , .		2
119	Detection and classification of three-class initial dips from prefrontal cortex. Biomedical Optics Express, 2017, 8, 367.	1.5	111
120	Effect of Shot Noise on Simultaneous Sensing in Frequency Division Multiplexed Diffuse Optical Tomographic Imaging Process. Sensors, 2017, 17, 2752.	2.1	2
121	Hybrid EEG-fNIRS-Based Eight-Command Decoding for BCI: Application to Quadcopter Control. Frontiers in Neurorobotics, 2017, 11, 6.	1.6	180
122	Hybrid Brain-Computer Interface Techniques for Improved Classification Accuracy and Increased Number of Commands: A Review. Frontiers in Neurorobotics, 2017, 11, 35.	1.6	203
123	Selectivity and Longevity of Peripheral-Nerve and Machine Interfaces: A Review. Frontiers in Neurorobotics, 2017, 11, 59.	1.6	71
124	Modeling of inter-neuronal coupling medium and its impact on neuronal synchronization. PLoS ONE, 2017, 12, e0176986.	1.1	11
125	Analysis of Different Classification Techniques for Two-Class Functional Near-Infrared Spectroscopy-Based Brain-Computer Interface. Computational Intelligence and Neuroscience, 2016, 2016, 1-11.	1.1	94
126	Determining Optimal Feature-Combination for LDA Classification of Functional Near-Infrared Spectroscopy Signals in Brain-Computer Interface Application. Frontiers in Human Neuroscience, 2016, 10, 237.	1.0	120

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127	Command-shaping control of quayside cranes with eight-pole reeving mechanism. , 2016, , .		3
128	Bundled-optode implementation for 3D imaging in functional near-infrared spectroscopy. Biomedical Optics Express, 2016, 7, 3491.	1.5	92
129	Delay-range-dependent control of nonlinear time-delay systems under input saturation. International Journal of Robust and Nonlinear Control, 2016, 26, 1647-1666.	2.1	39
130	Bundled-optode method for detection of brain activity in functional near-infrared spectroscopy. , 2016, , .		0
131	Investigation of initial dips in mental arithmetic tasks: An fNIRS study. , 2016, , .		3
132	Modeling and residual vibration control of a quayside container crane. , 2016, , .		0
133	Three class classification of fNIRS signals for the detection of RGB color stimuli in the visual cortex. , 2016, , .		3
134	Dynamics and vibrational control of an underwater inverted pendulum. , 2016, , .		2
135	Initial dip detection based on both HbO and HbR vector-based phase analysis. , 2016, , .		8
136	Extraction of sparse features of color images in recognizing objects. International Journal of Control, Automation and Systems, 2016, 14, 616-627.	1.6	16
137	Observer-based robust control of one-sided Lipschitz nonlinear systems. ISA Transactions, 2016, 65, 230-240.	3.1	68
138	Effect of anodal tDCS on human prefrontal cortex observed by fNIRS. , 2016, , .		6
139	Drowsiness detection using fNIRS in different time windows for a passive BCI. , 2016, , .		7
140	Residual vibration control of a quayside container crane. , 2016, , .		0
141	Hybrid EEG-NIRS based active command generation for quadcopter movement control. , 2016, , .		6
142	Delay-range-dependent synchronization of drive and response systems under input delay and saturation. Chaos, Solitons and Fractals, 2016, 87, 197-207.	2.5	20
143	The 15th International Conference on Control, Automation and Systems [Conference Reports]. IEEE Control Systems, 2016, 36, 151-152.	1.0	0
144	Reduction of Delay in Detecting Initial Dips from Functional Near-Infrared Spectroscopy Signals Using Vector-Based Phase Analysis. International Journal of Neural Systems, 2016, 26, 1650012.	3.2	104

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145	Decoding four different sound-categories in the auditory cortex using functional near-infrared spectroscopy. <i>Hearing Research</i> , 2016, 333, 157-166.	0.9	117
146	Distributed adaptive consensus control of Lipschitz nonlinear multi-agent systems using output feedback. <i>International Journal of Control</i> , 2016, 89, 2336-2349.	1.2	37
147	Bundled-Optode Method in Functional Near-Infrared Spectroscopy. <i>PLoS ONE</i> , 2016, 11, e0165146.	1.1	62
148	Dynamics Analysis and Residual Vibration Control of an Overhead Shuttle System. <i>Journal of Institute of Control, Robotics and Systems</i> , 2016, 22, 445-452.	0.1	2
149	Passive BCI based on drowsiness detection: an fNIRS study. <i>Biomedical Optics Express</i> , 2015, 6, 4063.	1.5	182
150	Modeling and control of a nuclear power plant's fuel transport system. , 2015, , .		1
151	Fast optical signals during median nerve stimulation by using continuous-wave NIRS. , 2015, , .		0
152	Active brain area identification using EEG-NIRS signal acquisition. , 2015, , .		2
153	Vibration control of a nuclear fuel rod maneuvering under water. , 2015, , .		3
154	Decoding Answers to Four-Choice Questions Using Functional near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2015, 23, 23-31.	0.8	75
155	Single-trial lie detection using a combined fNIRS-polygraph system. <i>Frontiers in Psychology</i> , 2015, 6, 709.	1.1	94
156	Observer Design for One-Sided Lipschitz Nonlinear Systems Subject to Measurement Delays. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-13.	0.6	29
157	Wall following control algorithm for a car-like wheeled-mobile robot with differential-wheels drive. , 2015, , .		5
158	Classification performance analysis of combined fNIRS-polygraph system using different temporal windows. , 2015, , .		0
159	Optimizing a hemodynamic model in the human motor cortex. , 2015, , .		2
160	Separation of the hemodynamic responses in a simultaneous audio-stimuli using ICA: An fNIRS study. , 2015, , .		0
161	Analysis of classification performance of fNIRS signals from prefrontal cortex using various temporal windows. , 2015, , .		1
162	Multiple optodes configuration for measuring the absolute hemodynamic response using spatially resolved spectroscopy method: An fNIRS study. , 2015, , .		2

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163	Comparison of artificial neural network and support vector machine classifications for fNIRS-based BCI. , 2015, , .		4
164	Adaptive synchronization of two different chaotic systems containing mutually Lipschitz nonlinearities subject to state time-delays. , 2015, , .		2
165	Drowsiness detection in dorsolateral-prefrontal cortex using fNIRS for a passive-BCI. , 2015, , .		2
166	fNIRS based color detection from human visual cortex. , 2015, , .		4
167	Group-based particle swarm optimization for multiple-vehicles trajectory planning. , 2015, , .		2
168	Fuzzy sliding mode control of container cranes. International Journal of Control, Automation and Systems, 2015, 13, 419-425.	1.6	45
169	Sector-condition-based results for adaptive control and synchronization of chaotic systems under input saturation. Chaos, Solitons and Fractals, 2015, 77, 158-169.	2.5	32
170	Transverse vibration control of axially moving web systems by regulation of axial tension. International Journal of Control, Automation and Systems, 2015, 13, 689-696.	1.6	13
171	fNIRS-based brain-computer interfaces: a review. Frontiers in Human Neuroscience, 2015, 9, 3.	1.0	659
172	Hybrid EEG-NIRS based BCI for quadcopter control. , 2015, , .		24
173	Motor imagery performance evaluation using hybrid EEG-NIRS for BCI. , 2015, , .		5
174	Spontaneous lie detection using functional near-infrared spectroscopy in an interactive game. , 2015, , .		2
175	Dynamics and control of an overhead shuttle transport system. , 2015, , .		1
176	Regional observer synthesis for locally Lipschitz non-linear systems. IET Control Theory and Applications, 2015, 9, 2348-2356.	1.2	9
177	Classification of prefrontal and motor cortex signals for three-class fNIRS-BCI. Neuroscience Letters, 2015, 587, 87-92.	1.0	247
178	Estimation of Tire-Road Friction Based on Onboard 6-DoF Acceleration Measurement. IEEE Transactions on Vehicular Technology, 2015, 64, 3368-3377.	3.9	25
179	Lyapunov-based synchronization of two coupled chaotic Hindmarsh-Rose neurons. Journal of Computer Science and Cybernetics, 2015, 30, .	0.1	0
180	Global Existence and Energy Decay Rates for a Kirchhoff-Type Wave Equation with Nonlinear Dissipation. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	1

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181	Lateralization of music processing with noises in the auditory cortex: an fNIRS study. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 418.	1.0	99
182	Decoding of four movement directions using hybrid NIRS-EEG brain-computer interface. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 244.	1.0	227
183	Static and adaptive feedback control for synchronization of different chaotic oscillators with mutually Lipschitz nonlinearities. <i>Chinese Physics B</i> , 2014, 23, 110502.	0.7	5
184	Residual vibration suppression of an under-water fuel transport system. , 2014, , .		2
185	A hybrid EEG-fNIRS BCI: Motor imagery for EEG and mental arithmetic for fNIRS. , 2014, , .		17
186	Residual vibration control of underwater systems moving underwater using command shaping technique. , 2014, , .		1
187	Improving control performance of a container crane using adaptive friction compensation. , 2014, , .		1
188	State-space models of impulse hemodynamic responses over motor, somatosensory, and visual cortices. <i>Biomedical Optics Express</i> , 2014, 5, 1778.	1.5	88
189	Improving classification accuracy of covert yes/no response decoding using support vector machines: An fNIRS study. , 2014, , .		18
190	Water correction algorithm to improve the classification accuracy: A near-infrared spectroscopy study. , 2014, , .		11
191	Hemodynamic signals based lie detection using a new wireless NIRS system. , 2014, , .		5
192	Synchronization of Coupled Different Chaotic FitzHugh-Nagumo Neurons with Unknown Parameters under Communication-Direction-Dependent Coupling. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-12.	0.7	15
193	Note: Three wavelengths near-infrared spectroscopy system for compensating the light absorbance by water. <i>Review of Scientific Instruments</i> , 2014, 85, 026111.	0.6	70
194	Online binary decision decoding using functional near-infrared spectroscopy for the development of brain-computer interface. <i>Experimental Brain Research</i> , 2014, 232, 555-564.	0.7	203
195	Reduction of physiological effects in fNIRS waveforms for efficient brain-state decoding. <i>Neuroscience Letters</i> , 2014, 580, 130-136.	1.0	47
196	Water correction algorithm to increase the signal strength of oxy and deoxy-hemoglobin in near-infrared spectroscopy signals. , 2014, , .		3
197	Input shaping control of a nuclear power plant's fuel transport system. <i>Nonlinear Dynamics</i> , 2014, 77, 1737-1748.	2.7	62
198	fNIRS based dual movement control command generation using prefrontal brain activity. , 2014, , .		18

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199	Sliding-mode and proportional-derivative-type motion control with radial basis function neural network based estimators for wheeled vehicles. International Journal of Systems Science, 2014, 45, 2515-2528.	3.7	24
200	Input Shaping Control of a Refueling System Operating in Water. Journal of Institute of Control, Robotics and Systems, 2014, 20, 402-407.	0.1	2
201	Decoupled-architecture-based nonlinear anti-windup design for a class of nonlinear systems. Nonlinear Dynamics, 2013, 73, 1955-1967.	2.7	45
202	Classification of functional near-infrared spectroscopy signals corresponding to the right- and left-wrist motor imagery for development of a brain-computer interface. Neuroscience Letters, 2013, 553, 84-89.	1.0	266
203	Maximum likelihood identification of Wiener-Hammerstein models. Mechanical Systems and Signal Processing, 2013, 41, 54-70.	4.4	32
204	Sliding-mode control of a wheeled vehicle using neural network estimator. , 2013, , .		0
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