

Keum-Shik Hong

List of Publications by Year in descending order

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419
papers

11,892
citations

22153

59
h-index

37204

96
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430
all docs

430
docs citations

430
times ranked

5090
citing authors

#	ARTICLE	IF	CITATIONS
1	fNIRS-based brain-computer interfaces: a review. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 3.	2.0	659
2	Robust adaptive boundary control of a flexible marine riser with vessel dynamics. <i>Automatica</i> , 2011, 47, 722-732.	5.0	378
3	Classification of functional near-infrared spectroscopy signals corresponding to the right- and left-wrist motor imagery for development of a brain-computer interface. <i>Neuroscience Letters</i> , 2013, 553, 84-89.	2.1	266
4	Sliding-Mode Antisway Control of an Offshore Container Crane. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012, 17, 201-209.	5.8	265
5	Classification of prefrontal and motor cortex signals for three-class fNIRS-BCI. <i>Neuroscience Letters</i> , 2015, 587, 87-92.	2.1	247
6	Approximation-Based Adaptive Tracking Control of Pure-Feedback Nonlinear Systems With Multiple Unknown Time-Varying Delays. <i>IEEE Transactions on Neural Networks</i> , 2010, 21, 1804-1816.	4.2	239
7	Decoding of four movement directions using hybrid NIRS-EEG brain-computer interface. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 244.	2.0	227
8	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.	1.5	203
9	Hybrid Brain-Computer Interface Techniques for Improved Classification Accuracy and Increased Number of Commands: A Review. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 35.	2.8	203
10	Modified Skyhook Control of Semi-Active Suspensions: A New Model, Gain Scheduling, and Hardware-in-the-Loop Tuning. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2002, 124, 158-167.	1.6	202
11	Passive BCI based on drowsiness detection: an fNIRS study. <i>Biomedical Optics Express</i> , 2015, 6, 4063.	2.9	182
12	Hybrid EEG-fNIRS-Based Eight-Command Decoding for BCI: Application to Quadcopter Control. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 6.	2.8	180
13	Feature Extraction and Classification Methods for Hybrid fNIRS-EEG Brain-Computer Interfaces. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 246.	2.0	174
14	Adaptive sliding mode control of container cranes. <i>IET Control Theory and Applications</i> , 2012, 6, 662.	2.1	161
15	Robust adaptive boundary control of an axially moving string under a spatiotemporally varying tension. <i>Journal of Sound and Vibration</i> , 2004, 273, 1007-1029.	3.9	150
16	Noise reduction in functional near-infrared spectroscopy signals by independent component analysis. <i>Review of Scientific Instruments</i> , 2013, 84, 073106.	1.3	146
17	Direct adaptive control of parabolic systems: algorithm synthesis and convergence and stability analysis. <i>IEEE Transactions on Automatic Control</i> , 1994, 39, 2018-2033.	5.7	145
18	Simultaneous control of longitudinal and transverse vibrations of an axially moving string with velocity tracking. <i>Journal of Sound and Vibration</i> , 2012, 331, 3006-3019.	3.9	145

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19	Vortex-induced vibrations and control of marine risers: A review. <i>Ocean Engineering</i> , 2018, 152, 300-315.	4.3	136
20	fNIRS-based online deception decoding. <i>Journal of Neural Engineering</i> , 2012, 9, 026012.	3.5	125
21	Asymptotic stabilization of a nonlinear axially moving string by adaptive boundary control. <i>Journal of Sound and Vibration</i> , 2010, 329, 4588-4603.	3.9	124
22	Kalman estimator- and general linear model-based on-line brain activation mapping by near-infrared spectroscopy. <i>BioMedical Engineering OnLine</i> , 2010, 9, 82.	2.7	124
23	Determining Optimal Feature-Combination for LDA Classification of Functional Near-Infrared Spectroscopy Signals in Brain-Computer Interface Application. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 237.	2.0	120
24	Decoding four different sound-categories in the auditory cortex using functional near-infrared spectroscopy. <i>Hearing Research</i> , 2016, 333, 157-166.	2.0	117
25	Detection and classification of three-class initial dips from prefrontal cortex. <i>Biomedical Optics Express</i> , 2017, 8, 367.	2.9	111
26	Energy-based control of axially translating beams: varying tension, varying speed, and disturbance adaptation. <i>IEEE Transactions on Control Systems Technology</i> , 2005, 13, 1045-1054.	5.2	105
27	Real-time feature extraction of P300 component using adaptive nonlinear principal component analysis. <i>BioMedical Engineering OnLine</i> , 2011, 10, 83.	2.7	104
28	Reduction of Delay in Detecting Initial Dips from Functional Near-Infrared Spectroscopy Signals Using Vector-Based Phase Analysis. <i>International Journal of Neural Systems</i> , 2016, 26, 1650012.	5.2	104
29	Lateralization of music processing with noises in the auditory cortex: an fNIRS study. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 418.	2.0	99
30	Evaluation of Neural Degeneration Biomarkers in the Prefrontal Cortex for Early Identification of Patients With Mild Cognitive Impairment: An fNIRS Study. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 317.	2.0	96
31	Single-trial lie detection using a combined fNIRS-polygraph system. <i>Frontiers in Psychology</i> , 2015, 6, 709.	2.1	94
32	Analysis of Different Classification Techniques for Two-Class Functional Near-Infrared Spectroscopy-Based Brain-Computer Interface. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-11.	1.7	94
33	Boundary adaptive fault-tolerant control for a flexible Timoshenko arm with backlash-like hysteresis. <i>Automatica</i> , 2021, 130, 109690.	5.0	93
34	Bundled-optode implementation for 3D imaging in functional near-infrared spectroscopy. <i>Biomedical Optics Express</i> , 2016, 7, 3491.	2.9	92
35	Adaptive Neural-Network Boundary Control for a Flexible Manipulator With Input Constraints and Model Uncertainties. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 4796-4807.	9.5	92
36	State-space models of impulse hemodynamic responses over motor, somatosensory, and visual cortices. <i>Biomedical Optics Express</i> , 2014, 5, 1778.	2.9	88

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37	Transverse Vibration Control of Axially Moving Membranes by Regulation of Axial Velocity. IEEE Transactions on Control Systems Technology, 2012, 20, 1124-1131.	5.2	86
38	Reduction of trial-to-trial variability in functional near-infrared spectroscopy signals by accounting for resting-state functional connectivity. Journal of Biomedical Optics, 2013, 18, 017003.	2.6	81
39	Adaptive Sliding-Mode Control of an Offshore Container Crane With Unknown Disturbances. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2850-2861.	5.8	78
40	Decoding Answers to Four-Choice Questions Using Functional near Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2015, 23, 23-31.	1.5	75
41	Effects of Acupuncture Therapy on MCI Patients Using Functional Near-Infrared Spectroscopy. Frontiers in Aging Neuroscience, 2019, 11, 237.	3.4	75
42	Enhanced Drowsiness Detection Using Deep Learning: An fNIRS Study. IEEE Access, 2019, 7, 137920-137929.	4.2	74
43	Recognition of stimulus-evoked neuronal optical response by identifying chaos levels of near-infrared spectroscopy time series. Neuroscience Letters, 2011, 504, 115-120.	2.1	72
44	Dynamics of the container crane on a mobile harbor. Ocean Engineering, 2012, 53, 16-24.	4.3	72
45	Robust boundary control of an axially moving string by using a PR transfer function. IEEE Transactions on Automatic Control, 2005, 50, 2053-2058.	5.7	71
46	Selectivity and Longevity of Peripheral-Nerve and Machine Interfaces: A Review. Frontiers in Neurobotics, 2017, 11, 59.	2.8	71
47	Note: Three wavelengths near-infrared spectroscopy system for compensating the light absorbance by water. Review of Scientific Instruments, 2014, 85, 026111.	1.3	70
48	Observer-based robust control of one-sided Lipschitz nonlinear systems. ISA Transactions, 2016, 65, 230-240.	5.7	68
49	Navigation Function-Based Control of Multiple Wheeled Vehicles. IEEE Transactions on Industrial Electronics, 2011, 58, 1896-1906.	7.9	67
50	Classification of somatosensory cortex activities using fNIRS. Behavioural Brain Research, 2017, 333, 225-234.	2.2	66
51	Dynamic models of axially moving systems: A review. Nonlinear Dynamics, 2020, 100, 315-349.	5.2	66
52	Adaptive synchronization of two coupled chaotic Hindmarsh-Rose neurons by controlling the membrane potential of a slave neuron. Applied Mathematical Modelling, 2013, 37, 2460-2468.	4.2	65
53	A PC-based open robot control system: PC-ORC. Robotics and Computer-Integrated Manufacturing, 2001, 17, 355-365.	9.9	64
54	Stabilization and tracking control for a class of nonlinear systems. Nonlinear Analysis: Real World Applications, 2011, 12, 1786-1796.	1.7	64

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55	Linear parameter-varying model and adaptive filtering technique for detecting neuronal activities: an fNIRS study. <i>Journal of Neural Engineering</i> , 2013, 10, 056002.	3.5	64
56	Existence of Initial Dip for BCI: An Illusion or Reality. <i>Frontiers in Neurorobotics</i> , 2018, 12, 69.	2.8	64
57	Neuronal Activation Detection Using Vector Phase Analysis with Dual Threshold Circles: A Functional Near-Infrared Spectroscopy Study. <i>International Journal of Neural Systems</i> , 2018, 28, 1850031.	5.2	64
58	Active vibration control of a flexible rod moving in water: Application to nuclear refueling machines. <i>Automatica</i> , 2018, 93, 231-243.	5.0	63
59	Application of functional near-infrared spectroscopy in the healthcare industry: A review. <i>Journal of Innovative Optical Health Sciences</i> , 2019, 12, .	1.0	63
60	Detection of event-related hemodynamic response to neuroactivation by dynamic modeling of brain activity. <i>NeuroImage</i> , 2012, 63, 553-568.	4.2	62
61	Input shaping control of a nuclear power plant's fuel transport system. <i>Nonlinear Dynamics</i> , 2014, 77, 1737-1748.	5.2	62
62	Bundled-Optode Method in Functional Near-Infrared Spectroscopy. <i>PLoS ONE</i> , 2016, 11, e0165146.	2.5	62
63	A path following control of an unmanned autonomous forklift. <i>International Journal of Control, Automation and Systems</i> , 2009, 7, 113-122.	2.7	61
64	Control of Axially Moving Systems: A Review. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 2983-3008.	2.7	60
65	Boundary control of container cranes from the perspective of controlling an axially moving string system. <i>International Journal of Control, Automation and Systems</i> , 2009, 7, 437-445.	2.7	59
66	Cortical brain imaging by adaptive filtering of NIRS signals. <i>Neuroscience Letters</i> , 2012, 514, 35-41.	2.1	59
67	Hopf bifurcation control via a dynamic state-feedback control. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 442-446.	2.1	58
68	Exponential Stabilization of an Axially Moving Tensioned Strip by Passive Damping and Boundary Control. <i>JVC/Journal of Vibration and Control</i> , 2004, 10, 661-682.	2.6	56
69	Boundary Control of a Translating Tensioned Beam With Varying Speed. <i>IEEE/ASME Transactions on Mechatronics</i> , 2005, 10, 594-597.	5.8	56
70	Synchronization of coupled chaotic FitzHugh-Nagumo neurons via Lyapunov functions. <i>Mathematics and Computers in Simulation</i> , 2011, 82, 590-603.	4.4	55
71	Synchronization of coupled chaotic FitzHugh-Nagumo systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 1615-1627.	3.3	53
72	Open-Loop Vibration Control of an Underwater System: Application to Refueling Machine. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 1622-1632.	5.8	53

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73	Early Detection of Hemodynamic Responses Using EEG: A Hybrid EEG-fNIRS Study. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 479.	2.0	53
74	Effects of HD-tDCS on Resting-State Functional Connectivity in the Prefrontal Cortex: An fNIRS Study. <i>Complexity</i> , 2018, 2018, 1-13.	1.6	53
75	Manipulability analysis of a parallel machine tool: Application to optimal link length design. <i>Journal of Field Robotics</i> , 2000, 17, 403-415.	0.7	52
76	Adaptive Neural-Network-Based Fault-Tolerant Control for a Flexible String With Composite Disturbance Observer and Input Constraints. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 12843-12853.	9.5	52
77	Asymptotic behavior analysis of a coupled time-varying system: application to adaptive systems. <i>IEEE Transactions on Automatic Control</i> , 1997, 42, 1693-1697.	5.7	50
78	Detection of Mild Cognitive Impairment Using Convolutional Neural Network: Temporal-Feature Maps of Functional Near-Infrared Spectroscopy. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 141.	3.4	49
79	Nonlinear robust control of a hydraulic elevator: experiment-based modeling and two-stage Lyapunov redesign. <i>Control Engineering Practice</i> , 2005, 13, 789-803.	5.5	48
80	Skew control of a quay container crane. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 3332-3339.	1.5	48
81	Application of averaging method for integro-differential equations to model reference adaptive control of parabolic systems. <i>Automatica</i> , 1994, 30, 1415-1419.	5.0	47
82	An open-loop control for underactuated manipulators using oscillatory inputs: steering capability of an unactuated joint. <i>IEEE Transactions on Control Systems Technology</i> , 2002, 10, 469-480.	5.2	47
83	Reduction of physiological effects in fNIRS waveforms for efficient brain-state decoding. <i>Neuroscience Letters</i> , 2014, 580, 130-136.	2.1	47
84	Motor-commands decoding using peripheral nerve signals: a review. <i>Journal of Neural Engineering</i> , 2018, 15, 031004.	3.5	47
85	Adaptive control of an axially moving system. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 3071-3078.	1.5	46
86	Multivariable Adaptive Control of the Rewinding Process of a Roll-to-roll System Governed by Hyperbolic Partial Differential Equations. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 2177-2186.	2.7	46
87	Brain-machine interfaces using functional near-infrared spectroscopy: a review. <i>Artificial Life and Robotics</i> , 2020, 25, 204-218.	1.2	46
88	Decoupled-architecture-based nonlinear anti-windup design for a class of nonlinear systems. <i>Nonlinear Dynamics</i> , 2013, 73, 1955-1967.	5.2	45
89	Fuzzy sliding mode control of container cranes. <i>International Journal of Control, Automation and Systems</i> , 2015, 13, 419-425.	2.7	45
90	Adaptive filtering of physiological noises in fNIRS data. <i>BioMedical Engineering OnLine</i> , 2018, 17, 180.	2.7	45

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91	Synchronization of multiple chaotic FitzHugh-Nagumo neurons with gap junctions under external electrical stimulation. <i>Neurocomputing</i> , 2011, 74, 3296-3304.	5.9	43
92	A Path-Planning Algorithm Using Vector Potential Functions in Triangular Regions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013, 43, 832-842.	9.3	43
93	Systemic Review on Transcranial Electrical Stimulation Parameters and EEG/fNIRS Features for Brain Diseases. <i>Frontiers in Neuroscience</i> , 2021, 15, 629323.	2.8	43
94	Detection of primary RGB colors projected on a screen using fNIRS. <i>Journal of Innovative Optical Health Sciences</i> , 2017, 10, 1750006.	1.0	42
95	Sensitivity control of a MR-damper semi-active suspension. <i>International Journal of Precision Engineering and Manufacturing</i> , 2010, 11, 209-218.	2.2	40
96	Road-frequency adaptive control for semi-active suspension systems. <i>International Journal of Control, Automation and Systems</i> , 2010, 8, 1029-1038.	2.7	40
97	LMI-based robust adaptive synchronization of FitzHugh-Nagumo neurons with unknown parameters under uncertain external electrical stimulation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1666-1670.	2.1	40
98	Delay-range-dependent control of nonlinear time-delay systems under input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 1647-1666.	3.7	39
99	Two-Stage Control for Container Cranes. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2000, 43, 273-282.	0.3	38
100	Distributed adaptive consensus control of Lipschitz nonlinear multi-agent systems using output feedback. <i>International Journal of Control</i> , 2016, 89, 2336-2349.	1.9	37
101	PSO-based Minimum-time Motion Planning for Multiple Vehicles Under Acceleration and Velocity Limitations. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 2610-2623.	2.7	36
102	Stabilization of an axially moving web via regulation of axial velocity. <i>Journal of Sound and Vibration</i> , 2011, 330, 4676-4688.	3.9	34
103	Maximum likelihood identification of Wiener-Hammerstein models. <i>Mechanical Systems and Signal Processing</i> , 2013, 41, 54-70.	8.0	32
104	Sector-condition-based results for adaptive control and synchronization of chaotic systems under input saturation. <i>Chaos, Solitons and Fractals</i> , 2015, 77, 158-169.	5.1	32
105	Mechanical properties of bovine articular cartilage under microscale indentation loading from atomic force microscopy. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2009, 223, 339-347.	1.8	30
106	Predictive navigation of an autonomous vehicle with nonholonomic and minimum turning radius constraints. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 381-388.	1.5	30
107	Modeling and simulation of an oxy-fuel combustion boiler system with flue gas recirculation. <i>Computers and Chemical Engineering</i> , 2011, 35, 25-40.	3.8	30
108	Modeling and Automatic Feedback Control of Tremor: Adaptive Estimation of Deep Brain Stimulation. <i>PLoS ONE</i> , 2013, 8, e62888.	2.5	30

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109	Smooth shift control of automatic transmissions using a robust adaptive scheme with intelligent supervision. <i>International Journal of Vehicle Design</i> , 2003, 32, 250.	0.3	29
110	Observer Design for One-Sided Lipschitz Nonlinear Systems Subject to Measurement Delays. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-13.	1.1	29
111	Quantitative Assessment of Resting-State for Mild Cognitive Impairment Detection: A Functional Near-Infrared Spectroscopy and Deep Learning Approach. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 647-663.	2.6	29
112	A New Model and an Optimal Pole-Placement Control of the Macpherson Suspension System. , 0, , .		28
113	Delay-independent exponential stability criteria for time-varying discrete delay systems. <i>IEEE Transactions on Automatic Control</i> , 1994, 39, 811-814.	5.7	27
114	Boundary control of an axially moving string: actuator dynamics included. <i>Journal of Mechanical Science and Technology</i> , 2005, 19, 40-50.	1.5	27
115	Modeling of a hydraulic engine mount for active pneumatic engine vibration control using the extended Kalman filter. <i>Journal of Mechanical Science and Technology</i> , 2009, 23, 229-236.	1.5	27
116	Dynamics and Control of Industrial Cranes. <i>Advances in Industrial Control</i> , 2019, , .	0.5	27
117	Robust Adaptive Fault-Tolerant Control for a Riser-Vessel System With Input Hysteresis and Time-Varying Output Constraints. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 3939-3950.	9.5	26
118	Estimation of Tire-Road Friction Based on Onboard 6-DoF Acceleration Measurement. <i>IEEE Transactions on Vehicular Technology</i> , 2015, 64, 3368-3377.	6.3	25
119	An fNIRS-based investigation of visual merchandising displays for fashion stores. <i>PLoS ONE</i> , 2018, 13, e0208843.	2.5	25
120	Control of strip casting process: decentralization and optimal roll force control. <i>Control Engineering Practice</i> , 2001, 9, 933-945.	5.5	24
121	Sliding-mode and proportional-derivative-type motion control with radial basis function neural network based estimators for wheeled vehicles. <i>International Journal of Systems Science</i> , 2014, 45, 2515-2528.	5.5	24
122	Hybrid EEG-NIRS based BCI for quadcopter control. , 2015, , .		24
123	Task-Specific Stimulation Duration for fNIRS Brain-Computer Interface. <i>IEEE Access</i> , 2020, 8, 89093-89105.	4.2	24
124	Vibrational control of nonlinear time lag systems: Vibrational stabilization and transient behavior. <i>Automatica</i> , 1991, 27, 491-500.	5.0	23
125	Robust stabilization of a wheeled vehicle: Hybrid feedback control design and experimental validation. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 513-520.	1.5	23
126	Static Antiwindup Design for Nonlinear Parameter Varying Systems With Application to DC Motor Speed Control Under Nonlinearities and Load Variations. <i>IEEE Transactions on Control Systems Technology</i> , 2018, 26, 1091-1098.	5.2	23

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127	A novel hybrid soft computing optimization framework for dynamic economic dispatch problem of complex non-convex contiguous constrained machines. PLoS ONE, 2022, 17, e0261709.	2.5	23
128	Mobile Robot Control Architecture for Reflexive Avoidance of Moving Obstacles. Advanced Robotics, 2008, 22, 1397-1420.	1.8	22
129	Compact, Portable, High-Density Functional Near-Infrared Spectroscopy System for Brain Imaging. IEEE Access, 2020, 8, 128224-128238.	4.2	22
130	Reduction of Onset Delay in Functional Near-Infrared Spectroscopy: Prediction of HbO/HbR Signals. Frontiers in Neurobotics, 2020, 14, 10.	2.8	22
131	Diagnosis of Mild Cognitive Impairment Using Cognitive Tasks: A Functional Near-Infrared Spectroscopy Study. Current Alzheimer Research, 2021, 17, 1145-1160.	1.4	21
132	Robust Synchronization of Delayed Chaotic FitzHugh-Nagumo Neurons under External Electrical Stimulation. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-11.	1.3	20
133	Switching algorithm for robust configuration control of a wheeled vehicle. Control Engineering Practice, 2012, 20, 315-325.	5.5	20
134	Functional near-infrared spectroscopy based discrimination of mental counting and no-control state for development of a brain-computer interface. , 2013, 2013, 1780-3.		20
135	Delay-range-dependent synchronization of drive and response systems under input delay and saturation. Chaos, Solitons and Fractals, 2016, 87, 197-207.	5.1	20
136	Robust Adaptive Synchronization of Ring Configured Uncertain Chaotic FitzHugh-Nagumo Neurons under Direction-Dependent Coupling. Frontiers in Neurobotics, 2018, 12, 6.	2.8	20
137	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.	2.7	20
138	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.	11.3	20
139	Novel results on observer-based control of one-sided Lipschitz systems under input saturation. European Journal of Control, 2020, 53, 29-42.	2.6	19
140	Vibrational stabilization of nonlinear parabolic systems with Neumann boundary conditions. IEEE Transactions on Automatic Control, 1991, 36, 501-507.	5.7	18
141	Improving classification accuracy of covert yes/no response decoding using support vector machines: An fNIRS study. , 2014, , .		18
142	fNIRS based dual movement control command generation using prefrontal brain activity. , 2014, , .		18
143	Acupuncture enhances brain function in patients with mild cognitive impairment: evidence from a functional-near infrared spectroscopy study. Neural Regeneration Research, 2022, 17, 1850.	3.0	18
144	Indoor positioning system based on incident angles of infrared emitters. , 0, , .		17

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145	Boundary Control of an Axially Moving Steel Strip under a Spatiotemporally Varying Tension. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2004, 47, 665-674.	0.3	17
146	Road-frequency based optimisation of damping coefficients for semi-active suspension systems. International Journal of Vehicle Design, 2013, 63, 84.	0.3	17
147	A hybrid EEG-fNIRS BCI: Motor imagery for EEG and mental arithmetic for fNIRS. , 2014, , .		17
148	Non-fragile synchronization of genetic regulatory networks with randomly occurring controller gain fluctuation. Chinese Journal of Physics, 2019, 62, 132-143.	3.9	17
149	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.	6.3	17
150	Transient behavior analysis of vibrationally controlled nonlinear parabolic systems with Neumann boundary conditions. IEEE Transactions on Automatic Control, 1993, 38, 1603-1607.	5.7	16
151	New development of combined permanent-magnet type microspeakers used for cellular phones. IEEE Transactions on Magnetics, 2005, 41, 2000-2003.	2.1	16
152	Extraction of sparse features of color images in recognizing objects. International Journal of Control, Automation and Systems, 2016, 14, 616-627.	2.7	16
153	Semi-active control of the Macpherson suspension system: hardware-in-the-loop simulations. , 0, , .		15
154	Model Reference Adaptive Control of a Cantilevered Flexible Beam. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 640-651.	0.3	15
155	Synchronization of Coupled Different Chaotic FitzHugh-Nagumo Neurons with Unknown Parameters under Communication-Direction-Dependent Coupling. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-12.	1.3	15
156	New conditions for the exponential stability of evolution equations. IEEE Transactions on Automatic Control, 1994, 39, 1432-1436.	5.7	14
157	Bifurcation control of the Morris-Lecar neuron model via a dynamic state-feedback control. Biological Cybernetics, 2012, 106, 587-594.	1.3	14
158	Decoding Three Different Preference Levels of Consumers Using Convolutional Neural Network: A Functional Near-Infrared Spectroscopy Study. Frontiers in Human Neuroscience, 2020, 14, 597864.	2.0	14
159	Automatic landing method of a reclaimer on the stockpile. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 1999, 29, 308-314.	2.9	13
160	Driving Load Estimation with the Use of an Estimated Turbine Torque. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2006, 49, 163-171.	0.3	13
161	Transverse vibration control of axially moving web systems by regulation of axial tension. International Journal of Control, Automation and Systems, 2015, 13, 689-696.	2.7	13
162	Stabilization of Delayed Fuzzy Neutral-type Systems Under Intermittent Control. International Journal of Control, Automation and Systems, 2021, 19, 1408-1425.	2.7	13

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163	Decoding Multiple Sound-Categories in the Auditory Cortex by Neural Networks: An fNIRS Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 636191.	2.0	13
164	Time-efficient input shaping control of container crane systems. , 0, , .		12
165	Control of a Semi-Active MR-Damper Suspension System: A New Polynomial Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 4683-4688.	0.4	12
166	Simultaneous design of AWC and nonlinear controller for uncertain nonlinear systems under input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 2877-2897.	3.7	12
167	Control of a Non-uniform Flexible Beam: Identification of First Two Modes. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 3698-3707.	2.7	12
168	Functional near-infrared spectroscopy based brain activity classification for development of a brain-computer interface. , 2012, , .		11
169	Water correction algorithm to improve the classification accuracy: A near-infrared spectroscopy study. , 2014, , .		11
170	Modeling of inter-neuronal coupling medium and its impact on neuronal synchronization. <i>PLoS ONE</i> , 2017, 12, e0176986.	2.5	11
171	An event-triggered extended dissipative control for Takagi-Sugeno fuzzy systems with time-varying delay via free-matrix-based integral inequality. <i>Journal of the Franklin Institute</i> , 2020, 357, 7696-7717.	3.4	11
172	Multi-Channel-Based Differential Pathlength Factor Estimation for Continuous-Wave fNIRS. <i>IEEE Access</i> , 2021, 9, 37386-37396.	4.2	11
173	Most favorable stimulation duration in the sensorimotor cortex for fNIRS-based BCI. <i>Biomedical Optics Express</i> , 2021, 12, 5939.	2.9	11
174	Control of Transcranial Direct Current Stimulation Duration by Assessing Functional Connectivity of Near-Infrared Spectroscopy Signals. <i>International Journal of Neural Systems</i> , 2022, 32, 2150050.	5.2	11
175	Stability Criterion For Linear Oscillatory Parabolic Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1992, 114, 175-178.	1.6	10
176	A Robust Control for Engine and Transmission Systems: Enhancement of Shift Quality.. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2001, 44, 697-707.	0.3	10
177	Robust Adaptive Control of a Cantilevered Flexible Structure with Spatiotemporally Varying Coefficients and Bounded Disturbance. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2004, 47, 812-822.	0.3	10
178	An IMM algorithm with federated information mode-matched filters for AGV. <i>International Journal of Adaptive Control and Signal Processing</i> , 2007, 21, 533-555.	4.1	10
179	Sonar-based obstacle avoidance using region partition scheme. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 365-372.	1.5	10
180	Adaptive Fault-Tolerant Control of a Probe-and-Drogue Refueling Hose Under Varying Length and Constrained Output. <i>IEEE Transactions on Control Systems Technology</i> , 2022, 30, 869-876.	5.2	10

#	ARTICLE	IF	CITATIONS
181	Real-time motion artifact removal using a dual-stage median filter. Biomedical Signal Processing and Control, 2022, 72, 103301.	5.7	10
182	Inverse kinematics of a reclamer: Closed-form solution by exploiting geometric constraints. Journal of Mechanical Science and Technology, 1997, 11, 629-638.	0.4	9
183	Model reference adaptive control of a flexible structure. Journal of Mechanical Science and Technology, 2001, 15, 1356-1368.	0.4	9
184	Kinematic optimal design of a new parallel-type rolling mill: paramill. Advanced Robotics, 2003, 17, 837-862.	1.8	9
185	Determination of temporal window size for classifying the mean value of fNIRS signals from motor imagery. , 2013, , .		9
186	Regional observer synthesis for locally Lipschitz non-linear systems. IET Control Theory and Applications, 2015, 9, 2348-2356.	2.1	9
187	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.	2.0	9
188	THE RATE OF CHANGE OF AN ENERGY FUNCTIONAL FOR AXIALLY MOVING CONTINUA. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 610-615.	0.4	8
189	Application of Taguchi method to robust design of acoustic performance in IMT-2000 mobile phones. IEEE Transactions on Magnetics, 2005, 41, 1900-1903.	2.1	8
190	A tracking algorithm for autonomous navigation of AGVs in an automated container terminal. Journal of Mechanical Science and Technology, 2005, 19, 72-86.	1.5	8
191	Trajectory generation of an unmanned forklift for autonomous operation in material handling system. , 2008, , .		8
192	Decision making framework for autonomous vehicle navigation. , 2008, , .		8
193	Initial dip detection based on both HbO and HbR vector-based phase analysis. , 2016, , .		8
194	Initial-dip Based Quadcopter Control: Application to fNIRS-BCI. IFAC-PapersOnLine, 2018, 51, 945-950.	0.9	8
195	Enhancement in classification accuracy of motor imagery signals with visual aid: An fNIRS-BCI Study. , 2019, , .		8
196	Performance Improvement of a PMSM Sensorless Control Algorithm Using a Stator Resistance Error Compensator in the Low Speed Region. Journal of Power Electronics, 2010, 10, 485-490.	1.5	8
197	Control of Axially Moving Systems. , 2022, , .		8
198	Object-oriented modeling for gasoline engine and automatic transmission systems. Computer Applications in Engineering Education, 1999, 7, 107-119.	3.4	7

#	ARTICLE	IF	CITATIONS
199	Task-oriented approaches to the inverse kinematics problem for a reclaimer excavating and transporting raw material. <i>Advanced Robotics</i> , 2000, 14, 185-204.	1.8	7
200	ROBUST BOUNDARY CONTROL OF AN AXIALLY MOVING STEEL STRIP. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002, 35, 7-12.	0.4	7
201	Input shaping and VSC of container cranes. , 0, , .		7
202	Drowsiness detection using fNIRS in different time windows for a passive BCI. , 2016, , .		7
203	Hemodynamics Analysis of Patients With Mild Cognitive Impairment During Working Memory Tasks. , 2019, 2019, 4470-4473.		7
204	Initial-dip-based classification for fNIRS-BCI. , 2019, , .		7
205	Vibration Control of a Timoshenko Cantilever Beam with Varying Length. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 175-183.	2.7	7
206	Observer-Based Relative-Output Feedback Consensus of One-Sided Lipschitz Multi-Agent Systems Subjected to Switching Graphs. <i>IEEE Transactions on Control of Network Systems</i> , 2022, 9, 1875-1886.	3.7	7
207	Advanced sliding mode idle speed control for a nonlinear engine model: coordinated throttle/spark advance control. , 0, , .		6
208	Control of a container crane: fast traversing, and residual sway control from the perspective of controlling an underactuated system. , 1998, , .		6
209	Vibrational control of underactuated mechanical systems control design through averaging analysis. <i>Journal of Mechanical Science and Technology</i> , 1999, 13, 1-10.	0.4	6
210	Robust Adaptive Control of a Time-Varying Heat Equation with Unknown Bounded Disturbance.. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2001, 44, 708-716.	0.3	6
211	PC-based off-line programming in the shipbuilding industry: open architecture. <i>Advanced Robotics</i> , 2005, 19, 435-458.	1.8	6
212	AFM-based identification of the dynamic properties of globular proteins: simulation study. <i>Journal of Mechanical Science and Technology</i> , 2008, 22, 2203-2212.	1.5	6
213	Boundary control of a vibrating string under unknown time-varying disturbance. , 2010, , .		6
214	Sway suppression of an offshore container crane. , 2011, , .		6
215	Transverse Vibration Control of Axially Moving Beams by Regulation of Axial Velocity. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 5579-5584.	0.4	6
216	Evaluating a color-based active basis model for object recognition. <i>Computer Vision and Image Understanding</i> , 2012, 116, 1111-1120.	4.7	6

#	ARTICLE	IF	CITATIONS
217	Indirect measurement of brain activation using fNIRS. , 2013, , .		6
218	Classification of fNIRS signals for deception decoding using LDA and SVM. , 2013, , .		6
219	Effect of anodal tDCS on human prefrontal cortex observed by fNIRS. , 2016, , .		6
220	Hybrid EEG-NIRS based active command generation for quadcopter movement control. , 2016, , .		6
221	Improved Classification Accuracy of MCI Patients After Acupuncture Treatment: An fNIRS Study. , 2019, , .		6
222	Robust Adaptive Control of a Riser-Vessel System in Three-Dimensional Space. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4447-4456.	9.3	6
223	Inverse kinematics of a serial manipulator: kinematic redundancy and two approaches for closed-form solutions. , 0, , .		5
224	Development of woofer microspeakers used for cellular phones. IEEE Transactions on Magnetics, 2005, 41, 3808-3810.	2.1	5
225	Development of Hi-Fi microspeakers with a woofer and a tweeter used for mobile phones. Journal of Applied Physics, 2005, 97, 10R512.	2.5	5
226	PC-based off-line programming using VRML for welding robots in shipbuilding. , 0, , .		5
227	Detection and classification of pills moving at a very high speed using a Bi-IV2 vision system. , 2008, , .		5
228	Orthogonal functions based estimation of fNIRS signal strength as GLM parameters, in the course of real-time brain activation detection. , 2010, , .		5
229	Constrained control of hot air blower system under output delay using globally stable performance-based anti-windup approach. Journal of Mechanical Science and Technology, 2010, 24, 2413-2420.	1.5	5
230	Longitudinal and transverse vibration control of an axially moving string. , 2011, , .		5
231	Static and adaptive feedback control for synchronization of different chaotic oscillators with mutually Lipschitz nonlinearities. Chinese Physics B, 2014, 23, 110502.	1.4	5
232	Hemodynamic signals based lie detection using a new wireless NIRS system. , 2014, , .		5
233	Wall following control algorithm for a car-like wheeled-mobile robot with differential-wheels drive. , 2015, , .		5
234	Motor imagery performance evaluation using hybrid EEG-NIRS for BCI. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
235	Detection and Classification of Three-Class Initial Dips Using Vector Phase Analysis with Dual Threshold Circles: An fNIRS Study. , 2019, , .		5
236	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.	9.3	5
237	Stability and coefficients properites of polynomials of linear discrete systems. Journal of Mechanical Science and Technology, 1994, 8, 1-5.	0.1	4
238	Robust time-delay control of a reclaimer. Journal of Mechanical Science and Technology, 1999, 13, 575-583.	0.4	4
239	Model reference adaptive control of a time-varying parabolic system. Journal of Mechanical Science and Technology, 2000, 14, 168-176.	0.4	4
240	INPUT SHAPING CONTROL OF CONTAINER CRANE SYSTEMS: LIMITING THE TRANSIENT SWAY ANGLE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 445-450.	0.4	4
241	Reduction of Harmonic Distortion in Dual Magnet Type Microspeaker. IEEE Transactions on Magnetics, 2004, 40, 3054-3056.	2.1	4
242	Vibration Control of Axially Moving System with Variable Speed, Tension and Length. , 2006, , .		4
243	Nonlinear model predictive control of an oxy-fuel combustion boiler for regulating the excess oxygen percentage in the flue gas. , 2008, , .		4
244	Collision-free path and trajectory planning algorithm for multiple-vehicle systems. , 2011, , .		4
245	Online brain imaging by QR factorization of normalized regressor functions. , 2012, , .		4
246	A new near-infrared spectroscopy system for detection of hemoglobin and water concentration changes during a human activity. , 2013, , .		4
247	Comparison of artificial neural network and support vector machine classifications for fNIRS-based BCI. , 2015, , .		4
248	fNIRS based color detection from human visual cortex. , 2015, , .		4
249	Is consumer neural response to visual merchandising types different depending on their fashion involvement?. PLoS ONE, 2020, 15, e0241578.	2.5	4
250	New convergence analysis in adaptive control: Convergence analysis without the barbalat's lemma. Journal of Mechanical Science and Technology, 1995, 9, 138-146.	0.1	3
251	Eigenstructure assignment methodology with application to automotive active suspension control. , 0, , .		3
252	An integrated control of strip casting process by decentralization and optimal supervision. , 1998, , .		3

#	ARTICLE	IF	CITATIONS
253	Adaptive control of a time-varying parabolic system: Averaging analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 2476-2481.	0.4	3
254	A PC-based open robot control system: PC-ORC. , 0, , .		3
255	Optimal link design of a parallel machine tool based on manipulability analysis. , 0, , .		3
256	Massless links with external forces and bushing effect for multibody dynamic analysis. Journal of Mechanical Science and Technology, 2002, 16, 810-818.	0.4	3
257	Kinematic optimal design of a paramill: A multi-SP device. Journal of Field Robotics, 2004, 21, 345-359.	0.7	3
258	Reactive layer control architecture for autonomous mobile robots. , 2005, , .		3
259	Skyhook control using a full-vehicle model and four Relative Displacement Sensors. , 2007, , .		3
260	Robust Mrac Of A Nonautonomous Parabolic System With Spatiotemporally Varying Coefficients And Bounded Disturbance. Asian Journal of Control, 2003, 5, 350-363.	3.0	3
261	Skew control of a container crane. , 2008, , .		3
262	Adaptive boundary control of an axially moving string system: Application to container cranes. , 2009, , .		3
263	Identification of fNIRS based brain activity using adaptive algorithm. , 2012, , .		3
264	Water correction algorithm to increase the signal strength of oxy and deoxy-hemoglobin in near-infrared spectroscopy signals. , 2014, , .		3
265	Vibration control of a nuclear fuel rod maneuvering under water. , 2015, , .		3
266	Command-shaping control of quayside cranes with eight-pole reeving mechanism. , 2016, , .		3
267	Investigation of initial dips in mental arithmetic tasks: An fNIRS study. , 2016, , .		3
268	Three class classification of fNIRS signals for the detection of RGB color stimuli in the visual cortex. , 2016, , .		3
269	Drone Control Using Functional Near-Infrared Spectroscopy. , 2018, , .		3
270	Comparison of Neural Biomarker Assessment Methods for Early Detection of Alzheimer's Disease. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
271	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.	3.0	3
272	A novel approach for event-triggered state-estimation of one-sided Lipschitz systems for efficient bandwidth utilization. Computational and Applied Mathematics, 2021, 40, 1.	2.2	3
273	Boundary Control of an Overhead Crane Hoisting System with Flexible Rope in the Presence of Input Saturation. , 2020, , .		3
274	Vibrational control of underactuated mechanical systems: control design through the averaging analysis. , 1998, , .		2
275	An Object-Oriented Modular Simulation Model for Integrated Gasoline Engine and Automatic Transmission Control. , 0, , .		2
276	Partial Convergence of Coupled Time-Varying Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 397-402.	0.4	2
277	Initial design domain reset method for genetic algorithm with parallel processing. Journal of Mechanical Science and Technology, 2004, 18, 1121-1130.	0.4	2
278	BOUNDARY CONTROL OF CONTAINER CRANES AS AN AXIALLY MOVING STRING SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 132-137.	0.4	2
279	NONLINEAR CONTROL OF 3-D OVERHEAD CRANES: ENERGY-BASED DECOUPLING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 275-280.	0.4	2
280	Modeling and Control of a Nonuniform Vibrating String under Spatiotemporally Varying Tension and Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7678-7683.	0.4	2
281	Residual vibration suppression of an under-water fuel transport system. , 2014, , .		2
282	Active brain area identification using EEG-NIRS signal acquisition. , 2015, , .		2
283	Optimizing a hemodynamic model in the human motor cortex. , 2015, , .		2
284	Multiple optodes configuration for measuring the absolute hemodynamic response using spatially resolved spectroscopy method: An fNIRS study. , 2015, , .		2
285	Adaptive synchronization of two different chaotic systems containing mutually Lipschitz nonlinearities subject to state time-delays. , 2015, , .		2
286	Drowsiness detection in dorsolateral-prefrontal cortex using fNIRS for a passive-BCI. , 2015, , .		2
287	Group-based particle swarm optimization for multiple-vehicles trajectory planning. , 2015, , .		2
288	Spontaneous lie detection using functional near-infrared spectroscopy in an interactive game. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
289	Dynamics and vibrational control of an underwater inverted pendulum. , 2016, , .		2
290	Residual vibration control of a nuclear refueling machine. , 2017, , .		2
291	Effect of Shot Noise on Simultaneous Sensing in Frequency Division Multiplexed Diffuse Optical Tomographic Imaging Process. Sensors, 2017, 17, 2752.	3.8	2
292	Investigating the effects of stimulation duration for brain-computer interface. , 2020, , .		2
293	Effect of stimulation duration to the existence of initial dip. , 2020, 2020, 390-393.		2
294	Classification of Finger Tapping Tasks using Convolutional Neural Network Based on Augmented Data with Deep Convolutional Generative Adversarial Network. , 2020, , .		2
295	Modified Sensitivity Control of a Semi-Active Suspension System with MR-Damper for Ride Comfort Improvement. Transactions of the Korean Society of Mechanical Engineers, A, 2007, 31, 129-138.	0.2	2
296	Mind Robotic Rehabilitation Based on Motor Imagery Brain Computer Interface. Lecture Notes in Computer Science, 2010, , 161-171.	1.3	2
297	Input Shaping Control of a Refueling System Operating in Water. Journal of Institute of Control, Robotics and Systems, 2014, 20, 402-407.	0.2	2
298	Dynamics Analysis and Residual Vibration Control of an Overhead Shuttle System. Journal of Institute of Control, Robotics and Systems, 2016, 22, 445-452.	0.2	2
299	Vibration control of an axially moving beam attached to a translating base. , 2021, , .		2
300	A New Hand Exoskeleton Framework for Rehabilitation of Fingers. , 2020, , .		2
301	Application of Deep Learning Techniques to Diagnose Mild Cognitive Impairment: Functional Near-Infrared Spectroscopy Study. , 2021, , .		2
302	Optimality Condition and Distributed Optimization for Economic Dispatch Using a Novel Weighted Incremental Cost Consensus Approach. Frontiers in Energy Research, 2022, 10, .	2.3	2
303	Stability and tunability of an adaptive controller for one-dimensional parabolic PDE with spatially varying coefficients. Journal of Mechanical Science and Technology, 1993, 7, 320-329.	0.1	1
304	Asymptotic Behavior of a Coupled Dynamic System: Application to Adaptive Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 4941-4946.	0.4	1
305	Reclaimer control: modeling, identification, and a robust Smith predictor. , 0, , .		1
306	Control of linear motor machine tool feed drives for end milling: Robust MIMO approach. Journal of Mechanical Science and Technology, 1999, 13, 727-737.	0.4	1

#	ARTICLE	IF	CITATIONS
307	Vibrational Control of an Underactuated Mechanical System: Control Design through Averaging Analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 1124-1129.	0.4	1
308	Reclaimer Control: Kinematic Analysis, Modeling, Identification, and a Robust Smith Predictor. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 7016-7021.	0.4	1
309	Stability of the modified probabilistic data association filter: Lyapunov function based analysis. , 0, , .		1
310	A Road-Adaptive LQG Control for Semi-Active Suspension Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 371-376.	0.4	1
311	A suboptimal algorithm for the optimal Bayesian filter using receding horizon FIR filter. , 0, , .		1
312	Kinematic Optimal Design of a New Rolling Mill: Two SPs Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 157-162.	0.4	1
313	A tracking algorithm for autonomous navigation of AGVs in a container terminal. , 0, , .		1
314	FEDERATED INFORMATION MODE-MATCHED FILTER IN AN IMM ALGORITHM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 156-161.	0.4	1
315	Boundary control of container cranes. , 2005, , .		1
316	Tire-road friction estimation for enhancing the autonomy of wheel-driven vehicles. , 2007, , .		1
317	A nonwhitening post filter to improve the performance of sound source separation. , 2008, , .		1
318	A motion planning algorithm for a nonholonomic vehicle using vector potential functions in triangular regions. , 2010, , .		1
319	Adaptive control for a multi-condenser inverter heat pump system. , 2010, , .		1
320	NIRS based brain activation mapping: A real-time application. , 2010, , .		1
321	Transverse vibration control of axially moving web systems by regulation of axial tension. , 2010, , .		1
322	Neural Networks Training Based on Sequential Extended Kalman Filtering for Single Trial EEG Classification. , 2010, , .		1
323	A functional near-infrared spectroscopy based lie detector. , 2011, , .		1
324	Feature extraction based on common spatial analysis for time domain parameters. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
325	Adaptive nonlinear principle component analysis based multilayer neural network for P300 detection. , 2011, , .		1
326	Time-constrained trajectory tracking control algorithm for multiple-vehicle systems. , 2012, , .		1
327	Collision-free navigation of forklifts by points-of-interest switching. , 2012, , .		1
328	Command shaping for suppression of end-point oscillations of a circular cylinder maneuvering under-water. , 2013, , .		1
329	Global Existence and Energy Decay Rates for a Kirchhoff-Type Wave Equation with Nonlinear Dissipation. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	1
330	Residual vibration control of underwater systems moving underwater using command shaping technique. , 2014, , .		1
331	Improving control performance of a container crane using adaptive friction compensation. , 2014, , .		1
332	Modeling and control of a nuclear power plant's fuel transport system. , 2015, , .		1
333	Analysis of classification performance of fNIRS signals from prefrontal cortex using various temporal windows. , 2015, , .		1
334	Dynamics and control of an overhead shuttle transport system. , 2015, , .		1
335	Comparison of brain areas for executed and imagined movements after motor training: An fNIRS study. , 2017, , .		1
336	Classification of prefrontal and motor cortex initial dips for fNIRS-based-BCI. , 2017, , .		1
337	Sliding mode control of a dual-trolley mobile harbor crane in the presence of wave-induced ship motions. , 2017, , .		1
338	Active vibration control of a flexible rod in water. , 2017, , .		1
339	Development of a dual wavelength 32-channel functional near-infrared spectroscopy based neuroimaging system. , 2017, , .		1
340	A Boundary Control Scheme for Vibration Suppression of a Flexible Beam Transported Under Water. , 2018, , .		1
341	Adaptive Sliding Mode Control of a Mobile Harbor System. , 2018, , .		1
342	Quadcopter Control via Onset Eye Blink Signals: A BCI Study. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
343	Cognition-based Evaluation of Commercial Advertisement Videos using Functional Near-Infrared Spectroscopy. , 2020, , .		1
344	A Tracking Algorithm for Autonomous Navigation of AGVs: Federated Information Filter. Journal of Navigation and Port Research, 2004, 28, 635-640.	0.1	1
345	Wireless high definition neuroimaging system for fNIRS using a single photosensor. , 2020, , .		1
346	Exploring the possibility for early detection of Alzheimer's disease with spatial-domain neural images. , 2020, , .		1
347	Online Motion-Artifact Removal in fNIRS Signals: Combined Square-Root Cubature Kalman Filter and Weighted Moving Average Model Approach. , 2020, , .		1
348	Improving odometry accuracy for car-like vehicles by using tire radii measurements. , 0, , .		0
349	Performance management of integrated manufacturing system networks. Journal of Mechanical Science and Technology, 1995, 9, 269-285.	0.1	0
350	Robust Smith Predictor Design via Uncertainty Quantification: Application to a Reclaimer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 575-580.	0.4	0
351	Robust Mrac of A Linear Time-Varying Parabolic System with Bounded Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 31-36.	0.4	0
352	Lyapunov stability of a tracking filter with the uncertainty of measurement origin. , 0, , .		0
353	Engine-Transmission Control for Smooth Shifting Using a Robust Adaptive Scheme with Intelligent Supervisor. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 345-350.	0.4	0
354	A SUBOPTIMAL ALGORITHM OF THE OPTIMAL BAYESIAN FILTER BASED UPON THE RECEDING HORIZON STRATEGY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 335-340.	0.4	0
355	Modified Smith Predictor Design for a Reclaimer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 169-174.	0.4	0
356	AFM-based identification of the dynamic properties of globular proteins. , 0, , .		0
357	Anti-sway control of container cranes as a flexible cable system. , 0, , .		0
358	Ride Comfort Values of Four Korean Cars in Highways. , 2005, , 2345.		0
359	Moving Obstacle Avoidance Using a LRF Sensor. , 2006, , .		0
360	Control architecture and obstacle avoidance for acquiring the realtimeness. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
361	Sensitivity control of a semi-active suspension system equipped with MR-dampers. , 2007, , .		0
362	Tire-road friction estimation for a wheel-driven field robot. , 2008, , .		0
363	Stabilization for the nonlinear beam equation. , 2008, , .		0
364	Configuration control of a forklift vehicle using vision system with limited angle of view. , 2010, , .		0
365	Synchronization of two uncoupled Fitzhugh-Nagumo neurons via nonlinear control. , 2010, , .		0
366	Supervised Learning of a Color-Based Active Basis Model for Object Recognition. , 2010, , .		0
367	Investigation of the Hemodynamic Response in Near Infrared Spectroscopy Data Analysis. , 2010, , .		0
368	Trajectory planning and control for multiple-vehicles systems. , 2011, , .		0
369	Brain computer interface based on nonlinear characteristics identification of neuronal activities evoked optical properties. , 2011, , .		0
370	Control architecture of material handling vehicles. , 2011, , .		0
371	Extended general linear model based on-line brain activation mapping. , 2011, , .		0
372	Independent component analysis based trial-to-trial variations reduction in fNIRS signal. , 2012, , .		0
373	Collision-free navigation of wheeled vehicles by gain switching. , 2012, , .		0
374	Sliding-mode control of a wheeled vehicle using neural network estimator. , 2013, , .		0
375	An fNIRS-based BCI for mental arithmetic task using ICA. , 2013, , .		0
376	Current BCI technologies in brain engineering. , 2013, , .		0
377	Asymmetry brain function in auditory cortex: A functional near-infrared spectroscopy study. , 2013, 2013, 1784-6.		0
378	Non-lateralization with noise in the auditory cortex: An fNIRS study. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
379	Dynamic response of an under-water fuel transfer system. , 2013, , .		0
380	Fast optical signals during median nerve stimulation by using continuous-wave NIRS. , 2015, , .		0
381	Classification performance analysis of combined fNIRS-polygraph system using different temporal windows. , 2015, , .		0
382	Separation of the hemodynamic responses in a simultaneous audio-stimuli using ICA: An fNIRS study. , 2015, , .		0
383	Bundled-optode method for detection of brain activity in functional near-infrared spectroscopy. , 2016, , .		0
384	Modeling and residual vibration control of a quayside container crane. , 2016, , .		0
385	Residual vibration control of a quayside container crane. , 2016, , .		0
386	The 15th International Conference on Control, Automation and Systems [Conference Reports]. IEEE Control Systems, 2016, 36, 151-152.	0.8	0
387	Active vortex-induced vibration control of a flexible rod transported in water. , 2017, , .		0
388	Initial-dip based identification of the brain area for right-hand finger movement. , 2017, , .		0
389	Utilization of fNIRS signals as feedback for sensory decoding. , 2017, , .		0
390	Investigate the visual merchandising of a fashion store using fNIRS. , 2017, , .		0
391	Hybrid EEG-fNIRS based quadcopter control using active prefrontal commands. , 2017, , .		0
392	Dynamics and Control of a Nuclear Refueling Machine. , 2018, , .		0
393	Vector-Based Phase Analysis Approach for Initial Dip Detection Using HbO and HbR. , 2018, , 257-258.		0
394	Open-Loop Control. Advances in Industrial Control, 2019, , 87-114.	0.5	0
395	Feedback Control. Advances in Industrial Control, 2019, , 115-141.	0.5	0
396	A Portable Functional Near-Infrared Spectroscopy System Using 4-wavelength LEDs. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
397	Performance evaluation of temporal features for detection of mild cognitive impairment: An fNIRS study. , 2019, , .		0
398	DEKF to Estimate Hemodynamic Response and Path-length in fNIRS Data. , 2019, , .		0
399	Real-Time Display of Dense Neuronal Activation Map Using Functional Near-Infrared Spectroscopy. , 2019, , .		0
400	Diagnosis of Mild Cognitive Impairment via Task-relevant Hemodynamic Responses. IFAC-PapersOnLine, 2019, 52, 158-163.	0.9	0
401	Development of a Noninvasive Device for Detection of Degenerative Brain Disorders. , 2020, , .		0
402	Visual Training Improves Motor Imagery Ability for Rehabilitation. , 2021, , .		0
403	Classification of sensorimotor cortex signals based on the task durations: an fNIRS-BCI study. , 2021, , .		0
404	Belt Model. , 2022, , 173-219.		0
405	Control of Axially Moving Strings and Beams. , 2022, , 125-172.		0
406	Plate Model. , 2022, , 233-263.		0
407	Beam Model. , 2022, , 53-123.		0
408	String Model. , 2022, , 13-51.		0
409	2B11 Adaptive control for a rewinding process of a high-speed roll-to-roll system. The Proceedings of the Symposium on the Motion and Vibration Control, 2010, 2010, _2B11-1_-_2B11-10_.	0.0	0
410	1C15 Nonlinear Control of an Offshore Container Crane. The Proceedings of the Symposium on the Motion and Vibration Control, 2010, 2010, _1C15-1_-_1C15-7_.	0.0	0
411	Estimation of the Hemodynamic Response of Near Infrared Spectroscopy Data: A Linear Model Approach. , 2011, , .		0
412	EEG-P300 Extraction using Neural Network based Adaptive Recursive Filter and Adaptive Autoregressive Models. , 2011, , .		0
413	Multi-Linear MPC for Nonlinear Oxy-Fuel Combustion Boiler System. , 2011, , .		0
414	A Configuration Control with Slip Angle Compensation of a Mobile Robot. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
415	Vector-Potential-Function-based Motion Planning for Nonholonomic Robots in a Complex Workspace. , 2011, , .		0
416	Lyapunov-based synchronization of two coupled chaotic Hindmarsh-Rose neurons. Journal of Computer Science and Cybernetics, 2015, 30, .	0.3	0
417	Distributed Parameter Models. Advances in Industrial Control, 2019, , 67-86.	0.5	0
418	Real-time Motion Artifacts and Low-Frequency Drift Correction for Functional Near-infrared Spectroscopy. , 2020, , .		0
419	Control of an Axially Moving Timoshenko Beam Attached to a Moving Base. , 2021, , .		0