Hiroki Tamura

List of Publications by Year
in descending order

69 papers	**313** citations	1040056 **9** h-index	1058476 **14** g-index
69 all docs	**69** docs citations	**69** times ranked	**266** citing authors

#	Article	IF	Citations
1	Automatic Sleep Disorders Classification Using Ensemble of Bagged Tree Based on Sleep Quality Features. Electronics (Switzerland), 2020, 9, 512.	3.1	35
2	Real-Time Action Recognition System for Elderly People Using Stereo Depth Camera. Sensors, 2021, 21, 5895.	3.8	22
3	A Multi-Layered Immune System for Graph Planarization Problem. IEICE Transactions on Information and Systems, 2009, E92-D, 2498-2507.	0.7	21
4	A model of the neuron based on dendrite mechanisms. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi), 2001, 84, 11-24.	0.1	18
5	A Study of the Electric Wheelchair Hands-Free Safety Control System Using the Surface-Electromygram of Facial Muscles. Lecture Notes in Computer Science, 2010, , 97-104.	1.3	16
6	The Facial Stress Recognition Based on Multi-histogram Features and Convolutional Neural Network. , 2018, , .		16
7	Development of the electric wheelchair hands-free semi-automatic control system using the surface-electromyogram of facial muscles. Artificial Life and Robotics, 2012, 17, 300-305.	1.2	14
8	Online learning method using support vector machine for surface-electromyogram recognition. Artificial Life and Robotics, 2009, 13, 483-487.	1.2	12
9	Recurrent type ANFIS using local search technique for time series prediction. , 2008, , .		10
10	High-linear four-quadrant multiplier based on MOS weak-inversion region translinear principle with adaptive bias technique. , 2011, , .		10
11	Communication system using EOG for persons with disabilities and its judgment by EEG. Artificial Life and Robotics, 2014, 19, 89-94.	1.2	10
12	Gaze Estimation Method Using Analysis of Electrooculogram Signals and Kinect Sensor. Computational Intelligence and Neuroscience, 2017, 2017, 1-10.	1.7	10
13	EOG-sEMG Human Interface for Communication. Computational Intelligence and Neuroscience, 2016, 2016, 1-10.	1.7	9
14	Development of Mouse Cursor Control System using DC and AC Elements of Electrooculogram Signals and its Applications. International Journal of Intelligent Computing in Medical Sciences and Image Processing, 2013, 5, 3-15.	0.5	6
15	Support Vector Slant Binary Tree Architecture for Facial Stress Recognition Based on Gabor and HOG Feature. , 2018, , .		6
16	Deep time-delay Markov network for prediction and modeling the stress and emotions state transition. Scientific Reports, 2020, 10, 18071.	3.3	6
17	Automatic Sleep Stage Detection Based on HRV Spectrum Analysis. , 2018, , .		5
18	Low Voltage CMOS Current Mode Reference Circuit without Operational Amplifiers. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 748-754.	0.3	5

#	Article	IF	Citations
19	Semi-Supervised Deep Time-Delay Embedded Clustering for Stress Speech Analysis. Electronics (Switzerland), 2019, 8, 1263.	3.1	5
20	Development of a motion analysis system using acceleration sensors for tennis and its evaluations. Artificial Life and Robotics, 2011, 16, 190-193.	1.2	4
21	A study on human interface system using the direction of eyes and face. Artificial Life and Robotics, 2015, 20, 291-298.	1.2	4
22	The long short-term memory based on i-vector extraction for conversational speech gender identification approach. Artificial Life and Robotics, 2020, 25, 233-240.	1.2	4
23	High-PSRR, Low-Voltage CMOS Current Mode Reference Circuit Using Self-Regulator with Adaptive Biasing Technique. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2020, E103.A, 486-491.	0.3	4
24	Comparison of Deep Neural Network Models and Effectiveness of EMG Signal Feature Value for Estimating Dorsiflexion. Electronics (Switzerland), 2021, 10, 2767.	3.1	4
25	Midpoint Validation Method for Support Vector Machine with Margin Adjustment Technique. , 2008, , .		3
26	Novel Instrumentation Amplifier Architectures Insensitive to Resistor Mismatches and Offset Voltage for Biological Signal Processing. , 2016, , .		3
27	A Study on the Gaze Range Calculation Method During an Actual Car Driving Using Eyeball Angle and Head Angle Information. Sensors, 2019, 19, 4774.	3.8	3
28	Embedded Discriminant Analysis based Speech Activity Detection for Unsupervised Stress Speech Clustering. , 2020, , .		3
29	Generalized Discriminant Methods for Improved X-Vector Back-end Based Stress Speech Recognition. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 1341-1347.	0.2	3
30	A New Investigation of Automatic Sleep Stage Detection using Decision-Tree-Based Support Vector Machine and Spectral Features Extraction of ECG Signal. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 820-827.	0.2	3
31	Quantitative assessment of locomotive syndrome in Japanese office workers. The Journal of Physical Fitness and Sports Medicine, 2018, 7, 143-149.	0.3	3
32	Highly-linear CMOS OTA with compensation of mobility reduction. , 2008, , .		2
33	A Method of Solving Scheduling Problems Using Improved Guided Genetic Algorithm. IEEJ Transactions on Electronics, Information and Systems, 2008, 128, 1351-1357.	0.2	2
34	Unsupervised learning method for a support vector machine and its application to surface electromyogram recognition. Artificial Life and Robotics, 2009, 14, 362-366.	1.2	2
35	ANNEALED CHAOTIC LEARNING FOR TIME SERIES PREDICTION IN IMPROVED NEURO-FUZZY NETWORK WITH FEEDBACKS. International Journal of Computational Intelligence and Applications, 2009, 08, 429-444.	0.8	2
36	A sub-&#x00B5;W, 1.0V CMOS temperature sensor circuit insensitive to device parameters. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
37	Expandable MVL Inverter Compatible with Standard CMOS Process and Its Application to MVL Hysteresis Comparator. , 2013, , .		2
38	Comparison of two techniques for gaze estimation system using the direction of eyes and head. , 2016, , .		2
39	A study on gaze estimation system using the direction of eyes and face. , 2016, , .		2
40	A Study on Breathing and Heartbeat Monitoring System During Sleeping Using Multi-Piezoelectric Elements. , 2019, , .		2
41	Automatic Sleep Quality Assessment for Obstructive Sleep Apnea Patients Based on HRV Spectrum Analysis. , 2019, , .		2
42	High-Sensitivity and Wide-Range CMOS Temperature Sensor Circuit. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1281-1286.	0.2	2
43	Development of Diagnosis Evaluation System of Facial Nerve Paralysis Using sEMG. Proceedings of International Conference on Artificial Life and Robotics, 2017, 22, 528-531.	0.1	2
44	Elderly Monitoring and Action Recognition System Using Stereo Depth Camera. , 2020, , .		2
45	Midpoint-Validation Method of Neural Networks for Pattern Classification Problems. , 2007, , .		1
46	Wide-common-mode-range and high-CMRR CMOS OTA operable in both weak and strong inversion regions. , 2008, , .		1
47	Optimization of Current-Mode MVD-ORNS Arithmetic Circuits. , 2009, , .		1
48	Human Tracking and Estimation under Occlusion Using Laser Range Scanner and Accelerometer. , 2013, , .		1
49	A Wireless Surface Electromyogram Monitoring System Using Smartphone and Its Application to Maintain Biceps Muscle. , 2015, , .		1
50	Gaze-Based Vehicle Driving Evaluation of System with an Actual Vehicle at an Intersection with a Traffic Light. Electronics (Switzerland), 2020, 9, 1408.	3.1	1
51	Emotional Variability Analysis Based I-Vector for Speaker Verification in Under-Stress Conditions. Electronics (Switzerland), 2020, 9, 1420.	3.1	1
52	A Low-Power and High-Linear Current to Time Converter for Wireless Sensor Networks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2012, E95.A, 1088-1090.	0.3	1
53	Mouse Cursor-like Control System in Consideration of the DC-EOG Signals using EOG-sEMG Human Interface. Proceedings of International Conference on Artificial Life and Robotics, 2017, 22, 520-523.	0.1	1
54	Action Recognition System for Senior Citizens Using Depth Image Colorization. , 2022, , .		1

#	Article	IF	Citations
55	Design of CNN cell with low-power variable-g<inf>m</inf> OTA and its application. , 2008, , .		0
56	Low-Voltage, Wide-Common-Mode-Range and High-CMRR CMOS OTA. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 936-941.	0.3	0
57	Midpoint-validation algorithm for support vector machine classification. Artificial Life and Robotics, 2010, 15, 138-141.	1.2	0
58	A study of SVM using a combination of the online learning method and the midpoint-validation method. Artificial Life and Robotics, 2011, 16, 283-287.	1.2	0
59	Asynchronous delta-sigma modulator with multiple-valued output. , 2013, , .		0
60	Gaze Estimation Using Electrooculogram Signals and Its Mathematical Modeling. , 2013, , .		0
61	A Study on Gaze Estimation System of the Horizontal Angle Using Electrooculogram Signals. IEICE Transactions on Information and Systems, 2014, E97.D, 2330-2337.	0.7	0
62	Robot and Neuroscience Technology: Computational and Engineering Approaches in Medicine. Computational Intelligence and Neuroscience, 2016, 2016, 1-1.	1.7	0
63	Basic research for the realization of online MEG using SSD. Proceedings of International Conference on Artificial Life and Robotics, 2021, 26, 246-249.	0.1	0
64	A Study on Eyes Tracking Method using Analysis of Electrooculogram Signals. Proceedings of International Conference on Artificial Life and Robotics, 2017, 22, 524-527.	0.1	0
65	A Study on High Accuracy Stride Estimation on Smartphone Combining Acceleration Sensor and Gyro Sensor. Proceedings of International Conference on Artificial Life and Robotics, 2018, 23, 554-557.	0.1	0
66	A Study on the Lumbar Burden Evaluation of Work using One Smartphone. Proceedings of International Conference on Artificial Life and Robotics, 2018, 23, 550-553.	0.1	0
67	The Actual Car Driving Evaluation System using Combined with Eyeball and Face Angle. Proceedings of International Conference on Artificial Life and Robotics, 2019, 24, 471-474.	0.1	0
68	A Study on Speaker Identification Approach by Feature Matching Algorithm using Pitch and Mel Frequency Cepstral Coefficients. Proceedings of International Conference on Artificial Life and Robotics, 2019, 24, 475-478.	0.1	0
69	Judgement on Shunt Sounds from Vascular Access using YOLO Deep Learning Model. Proceedings of International Conference on Artificial Life and Robotics, 2022, 27, 544-549.	0.1	0