Koichi Tanno

List of Publications by Year
in descending order

68	306	1163117 8	1058476 14
papers	citations	h-index	g-index

68	68	68	293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emotional Variability Analysis Based I-Vector for Speaker Verification in Under-Stress Conditions. Electronics (Switzerland), 2020, 9, 1420.	3.1	1
2	Deep time-delay Markov network for prediction and modeling the stress and emotions state transition. Scientific Reports, 2020, 10, 18071.	3.3	6
3	Automatic Sleep Disorders Classification Using Ensemble of Bagged Tree Based on Sleep Quality Features. Electronics (Switzerland), 2020, 9, 512.	3.1	35
4	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
5	Embedded Discriminant Analysis based Speech Activity Detection for Unsupervised Stress Speech Clustering. , 2020, , .		3
6	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
7	A Study on Breathing and Heartbeat Monitoring System During Sleeping Using Multi-Piezoelectric Elements. , 2019, , .		2
8	Semi-Supervised Deep Time-Delay Embedded Clustering for Stress Speech Analysis. Electronics (Switzerland), 2019, 8, 1263.	3.1	5
9	Automatic Sleep Quality Assessment for Obstructive Sleep Apnea Patients Based on HRV Spectrum Analysis. , 2019, , .		2
10	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
11	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
12	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
13	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
14	New active diode with bulk regulation transistors and its application to integrated voltage rectifier circuit. International Journal of Electrical and Computer Engineering, 2019, 9, 902.	0.7	0
15	IEEE SMC 2018 in Miyazaki, Japan [Conference Reports]. IEEE Systems, Man, and Cybernetics Magazine, 2018, 4, 43-44.	1.4	0
16	The Facial Stress Recognition Based on Multi-histogram Features and Convolutional Neural Network. , 2018, , .		16
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	Support Vector Slant Binary Tree Architecture for Facial Stress Recognition Based on Gabor and HOG Feature. , 2018, , .		6
20	CMOS Temperature Sensor with Programmable Temperature Range for Biomedical Applications. International Journal of Electrical and Computer Engineering, 2018, 8, 946.	0.7	4
21	A Study on the Lumbar Burden Evaluation of Work using One Smartphone. Journal of Robotics, Networking and Artificial Life, 2018, 5, 173.	0.4	0
22	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
23	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
24	Gaze Estimation Method Using Analysis of Electrooculogram Signals and Kinect Sensor. Computational Intelligence and Neuroscience, 2017, 2017, 1-10.	1.7	10
25	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
26	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
27	A New Instrumentation Amplifier Architecture Based on Differential Difference Amplifier for Biological Signal Processing. International Journal of Electrical and Computer Engineering, 2017, 7, 759.	0.7	5
28	EOG-sEMG Human Interface for Communication. Computational Intelligence and Neuroscience, 2016, 2016, 1-10.	1.7	9
29	Comparison of two techniques for gaze estimation system using the direction of eyes and head. , 2016, , .		2
30	A study on gaze estimation system using the direction of eyes and face. , 2016, , .		2
31	Novel Instrumentation Amplifier Architectures Insensitive to Resistor Mismatches and Offset Voltage for Biological Signal Processing. , 2016, , .		3
32	Low Common-Mode Gain Instrumentation Amplifier Architecture Insensitive to Resistor Mismatches. International Journal of Electrical and Computer Engineering, 2016, 6, 3247.	0.7	2
33	A Wireless Surface Electromyogram Monitoring System Using Smartphone and Its Application to Maintain Biceps Muscle. , 2015, , .		1
34	A study on human interface system using the direction of eyes and face. Artificial Life and Robotics, 2015, 20, 291-298.	1.2	4
35	Communication system using EOG for persons with disabilities and its judgment by EEG. Artificial Life and Robotics, 2014, 19, 89-94.	1.2	10
36	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

#	Article	IF	Citations
37	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
38	High-linear four-quadrant multiplier based on MOS weak-inversion region translinear principle with adaptive bias technique. , 2011, , .		10
39	A sub-µW, 1.0V CMOS temperature sensor circuit insensitive to device parameters. , 2011, , .		2
40	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
41	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
42	Development of innovative technologies to decrease the environmental burdens associated with using chitin as a biomass resource: Mechanochemical grinding and enzymatic degradation. Carbohydrate Polymers, 2011, 83, 1843-1849.	10.2	58
43	High-Sensitivity and Wide-Range CMOS Temperature Sensor Circuit. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1281-1286.	0.2	2
44	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
45	Midpoint-validation algorithm for support vector machine classification. Artificial Life and Robotics, 2010, 15, 138-141.	1.2	0
46	Online learning method using support vector machine for surface-electromyogram recognition. Artificial Life and Robotics, 2009, 13, 483-487.	1.2	12
47	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
48	Optimization of Current-Mode MVD-ORNS Arithmetic Circuits. , 2009, , .		1
49	Recurrent type ANFIS using local search technique for time series prediction. , 2008, , .		10
50	Design of CNN cell with low-power variable-g<inf>m</inf> OTA and its application. , 2008, , .		0
51	Highly-linear CMOS OTA with compensation of mobility reduction. , 2008, , .		2
52	Wide-common-mode-range and high-CMRR CMOS OTA operable in both weak and strong inversion regions. , 2008, , .		1
53	Midpoint Validation Method for Support Vector Machine with Margin Adjustment Technique. , 2008, , .		3
54	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

#	Article	IF	Citations
55	Midpoint-Validation Method of Neural Networks for Pattern Classification Problems. , 2007, , .		1
56	An immune network with interactions between B cells for pattern recognition. Systems and Computers in Japan, 2001, 32, 31-41.	0.2	2
57	A hill-climbing learning method for Hopfield networks. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi), 2001, 84, 28-40.	0.1	0
58	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
59	Adaptive Multi-Valued Immune Network And Its Applications. IEEJ Transactions on Electronics, Information and Systems, 2001, 121, 1747-1754.	0.2	1
60	A Neuron Model with Interaction among Synapses. IEEJ Transactions on Electronics, Information and Systems, 2000, 120, 1012-1019.	0.2	3
61	A Hopfield Network with Internal Secretion and Its Application. IEEJ Transactions on Electronics, Information and Systems, 1999, 119, 962-969.	0.2	0
62	A Learning Multiple-Valued Logic Network that can Explain Reasoning. IEEJ Transactions on Electronics, Information and Systems, 1999, 119, 970-978.	0.2	4
63	A Boolean Algebra Based Learnable Network. IEEJ Transactions on Electronics, Information and Systems, 1999, 119, 1223-1231.	0.2	0
64	An Investigation on a Unique Solution of the Hopfield and the T-Model Neural Networks. IEEJ Transactions on Electronics, Information and Systems, 1998, 118, 150-160.	0.2	0
65	Design and analysis of current-mode CMOS analog defuzzification circuit for fuzzy controllers. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.1	0
66	Design and analysis of current-mode CMOS analog defuzzification circuit for fuzzy controllers. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	0
67	Self-Learning ULR Fuzzy Controllers Using Temporal Back Propagation. IEEJ Transactions on Electronics, Information and Systems, 1997, 117, 1794-1801.	0.2	0
68	An adaptive unidirectional linear response fuzzy controller based on reinforcement learning. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	0