

Enzo Pasquale Scilingo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

172
papers

3,952
citations

34
h-index

58
g-index

181
ext. papers

4,789
ext. citations

3.1
avg, IF

5.6
L-index

#	Paper	IF	Citations
172	The NEVERMIND e-health system in the treatment of depressive symptoms among patients with severe somatic conditions: A multicentre, pragmatic randomised controlled trial. <i>EClinicalMedicine</i> , 2022 , 48, 101423	11.3	0
171	Reliability of Pulse Rate Variability in Elderly Men and Women: an Application of Cross-Mapping Approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 492-495	0.9	
170	Activation of brain-heart axis during REM sleep: a trigger for dreaming. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 321, R951-R959	3.2	
169	Quantifying multidimensional control mechanisms of cardiovascular dynamics during multiple concurrent stressors. <i>Medical and Biological Engineering and Computing</i> , 2021 , 59, 775-785	3.1	
168	Towards a model of arousal change after affective word pronunciation based on electrodermal activity and speech analysis. <i>Biomedical Signal Processing and Control</i> , 2021 , 67, 102517	4.9	1
167	Promises and trust in human-robot interaction. <i>Scientific Reports</i> , 2021 , 11, 9687	4.9	9
166	Smart textiles biotechnology for electrocardiogram monitoring in horses during exercise on treadmill: Validation tests. <i>Equine Veterinary Journal</i> , 2021 , 53, 373-378	2.4	4
165	Brain Dynamics During Arousal-Dependent Pleasant/Unpleasant Visual Elicitation: An Electroencephalographic Study on the Circumplex Model of Affect. <i>IEEE Transactions on Affective Computing</i> , 2021 , 12, 417-428	5.7	5
164	Acute stress state classification based on electrodermal activity modeling. <i>IEEE Transactions on Affective Computing</i> , 2021 , 1-1	5.7	8
163	Using blood data for the differential diagnosis and prognosis of motor neuron diseases: a new dataset for machine learning applications. <i>Scientific Reports</i> , 2021 , 11, 3371	4.9	4
162	Linear and Nonlinear Quantitative EEG Analysis during Neutral Hypnosis following an Opened/Closed Eye Paradigm. <i>Symmetry</i> , 2021 , 13, 1423	2.7	0
161	Bioelectric Impedance Analysis Test Improves the Detection of Prostate Cancer in Biopsy Candidates: A Multifeature Decision Support System. <i>Frontiers in Oncology</i> , 2021 , 11, 555277	5.3	0
160	Parasympathetic-Sympathetic Causal Interactions Assessed by Time-Varying Multivariate Autoregressive Modeling of Electrodermal Activity and Heart-Rate-Variability. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 3019-3028	5	1
159	Discriminating Stress From Cognitive Load Using Contactless Thermal Imaging Devices. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 608-611	0.9	0
158	Assessing the Quality of Heart Rate Variability Estimated from Wrist and Finger PPG: A Novel Approach Based on Cross-Mapping Method. <i>Sensors</i> , 2020 , 20,	3.8	11
157	Assessing Autonomic Function from Electrodermal Activity and Heart Rate Variability During Cold-Pressor Test and Emotional Challenge. <i>Scientific Reports</i> , 2020 , 10, 5406	4.9	27
156	A protocol for a multicentre, parallel-group, pragmatic randomised controlled trial to evaluate the NEVERMIND system in preventing and treating depression in patients with severe somatic conditions. <i>BMC Psychiatry</i> , 2020 , 20, 93	4.2	3

155	A preliminary study on parasympathetic-sympathetic interaction through the analysis of heart rate variability and electrodermal activity 2020 ,		1
154	Inside the Interaction: Contact With Familiar Humans Modulates Heart Rate Variability in Horses. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 582759	3.1	5
153	Classifying Affective Haptic Stimuli through Gender-Specific Heart Rate Variability Nonlinear Analysis. <i>IEEE Transactions on Affective Computing</i> , 2020 , 11, 459-469	5.7	5
152	Brain Dynamics Induced by Pleasant/Unpleasant Tactile Stimuli Conveyed by Different Fabrics. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 2417-2427	7.2	5
151	Multichannel Complexity Index (MCI) for a multi-organ physiological complexity assessment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 530, 121543	3.3	7
150	Lateralization of directional brain-heart information transfer during visual emotional elicitation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 317, R25-R38	3.2	14
149	Time-Resolved Directional Brain-Heart Interplay Measurement Through Synthetic Data Generation Models. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 1479-1489	4.7	24
148	Assessment of muscle fatigue during isometric contraction using autonomic nervous system correlates. <i>Biomedical Signal Processing and Control</i> , 2019 , 51, 42-49	4.9	11
147	Analysis of speech features and personality traits. <i>Biomedical Signal Processing and Control</i> , 2019 , 51, 1-7	4.9	16
146	Nonlinear Analysis of Eye-Tracking Information for Motor Imagery Assessments. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1431	5.1	8
145	On the Time-Invariance Properties of Upper Limb Synergies. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 1397-1406	4.8	15
144	Real vs. immersive-virtual emotional experience: Analysis of psycho-physiological patterns in a free exploration of an art museum. <i>PLoS ONE</i> , 2019 , 14, e0223881	3.7	19
143	Combining Electrodermal Activity and Speech Analysis towards a more Accurate Emotion Recognition System. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 229-232	0.9	6
142	Predicting Object-Mediated Gestures From Brain Activity: An EEG Study on Gender Differences. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 411-418	4.8	16
141	The Role of Haptic Stimuli on Affective Reading: a Pilot Study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 4938-4941	0.9	
140	Emotional Transfer in Human-Horse Interaction: New Perspectives on Equine Assisted Interventions. <i>Animals</i> , 2019 , 9,	3.1	14
139	Functional Linear and Nonlinear Brain-Heart Interplay during Emotional Video Elicitation: A Maximum Information Coefficient Study. <i>Entropy</i> , 2019 , 21, 892	2.8	14
138	Assessment of linear and nonlinear/complex heartbeat dynamics in subclinical depression (dysphoria). <i>Physiological Measurement</i> , 2018 , 39, 034004	2.9	8

137	Analysis of generic coupling between EEG activity and PCO in free breathing and breath-hold tasks using Maximal Information Coefficient (MIC). <i>Scientific Reports</i> , 2018 , 8, 4492	4.9	9
136	Reliability of Lagged Poincaré Plot Parameters in Ultrashort Heart Rate Variability Series: Application on Affective Sounds. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018 , 22, 741-749	7.2	17
135	Affective communication during bad news consultation. Effect on analogue patients' heart rate variability and recall. <i>Patient Education and Counseling</i> , 2018 , 101, 1892-1899	3.1	9
134	EEG Complexity Maps to Characterise Brain Dynamics during Upper Limb Motor Imagery. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 3060-3063	0.9	6
133	EEG Processing to Discriminate Transitive-Intransitive Motor Imagery Tasks: Preliminary Evidences using Support Vector Machines. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 221-224	0.9	3
132	A Case for the Interspecies Transfer of Emotions: A Preliminary Investigation on How Humans Odors Modify Reactions of the Autonomic Nervous System in Horses. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 221-224	0.9	9
131	Real-time Evaluation of ECG Acquisition Systems through Signal Quality Assessment in Horses during Submaximal Treadmill Test. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 498-501	0.9	
130	Refined Generalized Multivariate Multiscale Fuzzy Entropy: A Preliminary Study on Multichannel Physiological Complexity During Postural Changes 2018 ,		1
129	Affective computing in virtual reality: emotion recognition from brain and heartbeat dynamics using wearable sensors. <i>Scientific Reports</i> , 2018 , 8, 13657	4.9	124
128	Automated Recognition of Sleep Arousal Using Multimodal and Personalized Deep Ensembles of Neural Networks 2018 ,		7
127	EEG oscillations during caress-like affective haptic elicitation. <i>Psychophysiology</i> , 2018 , 55, e13199	4.1	10
126	Assessing mood symptoms through heartbeat dynamics: An HRV study on cardiosurgical patients. <i>Journal of Psychiatric Research</i> , 2017 , 95, 179-188	5.2	5
125	Causal brain-heart information transfer during visual emotional elicitation in healthy subjects: Preliminary evaluations and future perspectives. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 1559-1562	0.9	3
124	Applications of Heartbeat Complexity Analysis to Depression and Bipolar Disorder 2017 , 345-374		
123	Exploiting Physiological Sensors and Biosignal Processing to Enhance Monitoring Care in Mental Health. <i>Scalable Computing and Communications</i> , 2017 , 515-550	0.2	1
122	Time-Varying Cardiovascular Complexity with Focus on Entropy and Lyapunov Exponents 2017 , 233-256		
121	Heart rate variability analysis during muscle fatigue due to prolonged isometric contraction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 1324-1327	0.9	0
120	Longitudinal monitoring of heartbeat dynamics predicts mood changes in bipolar patients: A pilot study. <i>Journal of Affective Disorders</i> , 2017 , 209, 30-38	6.6	12

119	Arousal and Valence Recognition of Affective Sounds Based on Electrodermal Activity. <i>IEEE Sensors Journal</i> , 2017 , 17, 716-725	4	55
118	Validation of smart textile electrodes for electrocardiogram monitoring in free-moving horses. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2017 , 17, 19-23	1.9	12
117	On the Role of Affective Properties in Hedonic and Discriminant Haptic Systems. <i>International Journal of Social Robotics</i> , 2017 , 9, 87-95	4	9
116	Nonlinear analysis of heart rate variability for the assessment of Dysphoria. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 3170-3173	0.9	
115	The role of nonlinear coupling in Human-Horse Interaction: A preliminary study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 1320-1323	0.9	6
114	Self-reported well-being score modelling and prediction: Proof-of-concept of an approach based on linear dynamic systems. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> ,	0.9	1
113	Validation of instantaneous bispectral high-frequency power of heartbeat dynamics as a marker of cardiac vagal activity. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> ,	0.9	1
112	Muscle fatigue assessment through electrodermal activity analysis during isometric contraction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 398-401	0.9	1
111	Heartbeat Complexity Modulation in Bipolar Disorder during Daytime and Nighttime. <i>Scientific Reports</i> , 2017 , 7, 17920	4.9	13
110	Recognition of affective haptic stimuli conveyed by different fabrics using EEG-based sparse SVM 2017 ,		2
109	Force/Velocity Assessment of Caress-Like Stimuli Through the Electrodermal Activity Processing: Advantages of a Convex Optimization Approach. <i>IEEE Transactions on Human-Machine Systems</i> , 2016 , 1-10	4.1	15
108	Guest Editorial Sensor Informatics for Managing Mental Health. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016 , 20, 975-976	7.2	
107	Advances in Electrodermal Activity Processing with Applications for Mental Health 2016 ,		29
106	Electrodermal Phenomena and Recording Techniques 2016 , 1-17		1
105	Emotions and Mood States: Modeling, Elicitation, and Recognition 2016 , 45-54		
104	Experimental Applications on Multi-Sensory Affective Stimulation 2016 , 55-109		
103	Gender-specific automatic valence recognition of affective olfactory stimulation through the analysis of the electrodermal activity. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 399-402	0.9	4
102	Exploratory analysis of nonlinear coupling between EEG global field power and end-tidal carbon dioxide in free breathing and breath-hold tasks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 729-731	0.9	1

101	On the pleasantness of a haptic stimulation: how different textures can be recognized through heart rate variability nonlinear analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 2016, 3560-3563</i>	0.9	1
100	Stochastic modeling of spontaneous bursting activity to simulate neural responses of in-vitro networks on multielectrode arrays. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 2016, 4519-4522</i>	0.9	
99	Automatic recognition of pleasant content of odours through ElectroEncephaloGraphic activity analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 2016, 4519-4522</i>	0.9	7
98	Predicting Mood Changes in Bipolar Disorder through Heartbeat Nonlinear Dynamics. <i>IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1034-1043</i>	7.2	35
97	Assessment of spontaneous cardiovascular oscillations in Parkinson's disease. <i>Biomedical Signal Processing and Control, 2016, 26, 80-89</i>	4.9	22
96	cvxEDA: A Convex Optimization Approach to Electrodermal Activity Processing. <i>IEEE Transactions on Biomedical Engineering, 2016, 63, 797-804</i>	5	145
95	A synergy-based hand control is encoded in human motor cortical areas. <i>ELife, 2016, 5,</i>	8.9	66
94	Skin Admittance Measurement for Emotion Recognition: A Study over Frequency Sweep. <i>Electronics (Switzerland), 2016, 5, 46</i>	2.6	25
93	A Wearable System for the Evaluation of the Human-Horse Interaction: A Preliminary Study. <i>Electronics (Switzerland), 2016, 5, 63</i>	2.6	18
92	Quantitative heartbeat coupling measures in human-horse interaction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 2016, 2696-2699</i>	0.9	8
91	Valence-dependent changes in visual arousing elicitation: an exploratory study in EEG gamma oscillations. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 2016, 4555-4558</i>	0.9	1
90	Investigating mechanical properties of a fabric-based affective haptic display through electrodermal activity analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 2016, 4555-4558</i>	0.9	
89	Gender-specific velocity recognition of caress-like stimuli through nonlinear analysis of Heart Rate Variability. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015, 2015, 298-301</i>	0.9	8
88	Electroencephalographic spectral correlates of caress-like affective haptic stimuli. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015, 2015, 4733-6</i>	0.9	3
87	Smartphone Application for the Analysis of Prosodic Features in Running Speech with a Focus on Bipolar Disorders: System Performance Evaluation and Case Study. <i>Sensors, 2015, 15, 28070-87</i>	3.8	27
86	Characterizing psychological dimensions in non-pathological subjects through autonomic nervous system dynamics. <i>Frontiers in Computational Neuroscience, 2015, 9, 37</i>	3.5	13
85	A Novel Algorithm for Movement Artifact Removal in ECG Signals Acquired from Wearable Systems Applied to Horses. <i>PLoS ONE, 2015, 10, e0140783</i>	3.7	24
84	Nonlinear digital signal processing in mental health: characterization of major depression using instantaneous entropy measures of heartbeat dynamics. <i>Frontiers in Physiology, 2015, 6, 74</i>	4.6	17

83	. <i>IEEE Transactions on Affective Computing</i> , 2015 , 6, 385-394	5.7	108
82	Brain dynamics during emotion elicitation in healthy subjects: An EEG study 2015 ,		2
81	Electrodermal activity analysis during affective haptic elicitation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 5777-80	0.9	10
80	On the tridimensional estimation of the gaze point by a stereoscopic wearable eye tracker. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 2283-6	0.9	2
79	Analysis of running speech for the characterization of mood state in bipolar patients 2015 ,		4
78	Predicting mood changes in bipolar disorder through heartbeat nonlinear dynamics: A preliminary study 2015 ,		4
77	Voice quality in patients suffering from bipolar disease. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6106-9	0.9	7
76	Arousal recognition system based on heartbeat dynamics during auditory elicitation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6110-3	0.9	2
75	Removing movement artifacts from equine ECG recordings acquired with textile electrodes. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 1955-8	0.9	5
74	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 1505-1517	6.1	78
73	Automatic analysis of speech F0 contour for the characterization of mood changes in bipolar patients. <i>Biomedical Signal Processing and Control</i> , 2015 , 17, 29-37	4.9	20
72	Characterization of depressive States in bipolar patients using wearable textile technology and instantaneous heart rate variability assessment. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 263-74	7.2	48
71	Complexity index from a personalized wearable monitoring system for assessing remission in mental health. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 132-9	7.2	100
70	Robust Head Mounted Wearable Eye Tracking System for Dynamical Calibration. <i>Journal of Eye Movement Research</i> , 2015 , 8,	1.7	5
69	Revealing real-time emotional responses: a personalized assessment based on heartbeat dynamics. <i>Scientific Reports</i> , 2014 , 4, 4998	4.9	96
68	Advanced technology meets mental health: how smartphones, textile electronics, and signal processing can serve mental health monitoring, diagnosis, and treatment. <i>IEEE Pulse</i> , 2014 , 5, 56-9	0.7	3
67	Autonomic effects of cognitive reappraisal and acceptance in social anxiety: evidence for common and distinct pathways for parasympathetic reactivity. <i>Journal of Anxiety Disorders</i> , 2014 , 28, 795-803	10.9	11
66	Wearable monitoring for mood recognition in bipolar disorder based on history-dependent long-term heart rate variability analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014 , 18, 1623-35	7.3	99

65	Inhomogeneous point-process entropy: an instantaneous measure of complexity in discrete systems. <i>Physical Review E</i> , 2014 , 89, 052803	2.4	45
64	Point-process nonlinear autonomic assessment of depressive states in bipolar patients. <i>Methods of Information in Medicine</i> , 2014 , 53, 296-302	1.5	34
63	Tracking instantaneous entropy in heartbeat dynamics through inhomogeneous point-process nonlinear models. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6369-72	0.9	
62	A pattern recognition approach based on electrodermal response for pathological mood identification in bipolar disorders 2014 ,		12
61	Maximal-radius multiscale entropy of cardiovascular variability: a promising biomarker of pathological mood states in bipolar disorders. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6663-6	0.9	2
60	Electrodermal activity in bipolar patients during affective elicitation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014 , 18, 1865-73	7.2	60
59	Temporal trends of neuro-autonomic complexity during severe episodes of bipolar disorders. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2948-51	0.9	3
58	Mood states modulate complexity in heartbeat dynamics: A multiscale entropy analysis. <i>Europhysics Letters</i> , 2014 , 107, 18003	1.6	41
57	Experimental Evidences on Healthy Subjects and Bipolar Patients. <i>Series in Bioengineering</i> , 2014 , 85-123	0.7	1
56	Advanced Signal Processing and Modeling for ANS Data. <i>Series in Bioengineering</i> , 2014 , 45-82	0.7	
55	Emotions and Mood States: Modeling, Elicitation, and Classification. <i>Series in Bioengineering</i> , 2014 , 9-21	0.7	
54	Introduction to Advances in Autonomic Nervous System Dynamics for Mood and Emotional-State Recognition. <i>Series in Bioengineering</i> , 2014 , 3-8	0.7	1
53	Data Acquisition: Experimental Procedures and Wearable Monitoring Systems. <i>Series in Bioengineering</i> , 2014 , 25-43	0.7	
52	Conclusions and Discussion on Mood and Emotional-State Recognition Using the Autonomic Nervous System Dynamics. <i>Series in Bioengineering</i> , 2014 , 127-138	0.7	
51	Novel Spiking Neuron-Astrocyte Networks based on nonlinear transistor-like models of tripartite synapses. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 6559-62	0.9	8
50	Improving emotion recognition systems by embedding cardiorespiratory coupling. <i>Physiological Measurement</i> , 2013 , 34, 449-64	2.9	38
49	Eye gaze patterns in emotional pictures. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2013 , 4, 705-715	3.7	33
48	Mood recognition in bipolar patients through the PSYCHE platform: preliminary evaluations and perspectives. <i>Artificial Intelligence in Medicine</i> , 2013 , 57, 49-58	7.4	71

47	. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 2914-2926	4.8	57
46	Comparitive study on photometric normalization algorithms for an innovative, robust and real-time eye gaze tracker. <i>Journal of Real-Time Image Processing</i> , 2013 , 8, 21-33	1.9	11
45	The social perceptual salience effect. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2013 , 39, 62-74	2.6	15
44	A nonlinear heartbeat dynamics model approach for personalized emotion recognition. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 2579-82	0.9	27
43	. <i>IEEE Transactions on Affective Computing</i> , 2012 , 3, 237-249	5.7	132
42	Oscillations of heart rate and respiration synchronize during affective visual stimulation. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012 , 16, 683-90		46
41	Robotic Social Therapy on Children with Autism: Preliminary Evaluation through Multi-parametric Analysis 2012 ,		4
40	Smart Textiles: Technology and Wireless System Network Applications. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2012 , 127-158	2	2
39	A novel EDA glove based on textile-integrated electrodes for affective computing. <i>Medical and Biological Engineering and Computing</i> , 2012 , 50, 1163-72	3.1	41
38	Speech analysis for mood state characterization in bipolar patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 2104-7	0.9	39
37	Mind-body relationships in elite apnea divers during breath holding: a study of autonomic responses to acute hypoxemia. <i>Frontiers in Neuroengineering</i> , 2012 , 5, 4		15
36	Dominant Lyapunov exponent and approximate entropy in heart rate variability during emotional visual elicitation. <i>Frontiers in Neuroengineering</i> , 2012 , 5, 3		61
35	Robotic Social Therapy on Children with Autism: Preliminary Evaluation through Multi-parametric Analysis 2012 ,		9
34	Using Laguerre expansion within point-process models of heartbeat dynamics: a comparative study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 29-32	0.9	13
33	FMRI Compatible Sensing Glove for Hand Gesture Monitoring. <i>Springer Series on Touch and Haptic Systems</i> , 2012 , 215-228	0.1	1
32	Sensors for Wearable Systems 2011 , 3-25		8
31	Eye tracking and pupil size variation as response to affective stimuli: a preliminary study 2011 ,		14
30	Motor imagery effectiveness for mirror reversed movements. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2011 , 11, 22-31	3.5	8

29	Robust multiple cardiac arrhythmia detection through bispectrum analysis. <i>Expert Systems With Applications</i> , 2011 , 38, 6798-6804	7.8	41
28	Low-error digital hardware implementation of artificial neuron activation functions and their derivative. <i>Microprocessors and Microsystems</i> , 2011 , 35, 557-567	2.4	31
27	Electroactive polymer patches for wearable haptic interfaces. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 8369-72	0.9	7
26	Towards a smart glove: arousal recognition based on textile Electrodermal Response. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 3598-601	0.9	26
25	A new fabric-based softness display 2010 ,		16
24	A multimodal transducer for cardiopulmonary activity monitoring in emergency. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010 , 14, 817-25		41
23	Comparative evaluation of susceptibility to motion artifact in different wearable systems for monitoring respiratory rate. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010 , 14, 378-86		66
22	Rendering Softness: Integration of Kinesthetic and Cutaneous Information in a Haptic Device. <i>IEEE Transactions on Haptics</i> , 2010 , 3, 109-118	2.7	73
21	Validation of a Virtual Reality Environment to Study Anticipatory Modulation of Digit Forces and Position. <i>Lecture Notes in Computer Science</i> , 2010 , 136-143	0.9	
20	Wearable kinesthetic systems and emerging technologies in actuation for upperlimb neurorehabilitation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 6830-3	0.9	6
19	Tactile flow explains haptic counterparts of common visual illusions. <i>Brain Research Bulletin</i> , 2008 , 75, 737-41	3.9	52
18	Sensing Glove for Brain Studies: Design and Assessment of Its Compatibility for fMRI With a Robust Test. <i>IEEE/ASME Transactions on Mechatronics</i> , 2008 , 13, 345-354	5.5	29
17	The Role of Tactile Flow in Processing Dynamic Haptic Stimuli. <i>Springer Tracts in Advanced Robotics</i> , 2008 , 39-60	0.5	0
16	Wearable system-on-a-chip UWB radar for health care and its application to the safety improvement of emergency operators. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 2651-4		18
15	The effect of visual experience on the development of functional architecture in hMT+. <i>Cerebral Cortex</i> , 2007 , 17, 2933-9	5.1	138
14	Integrating Two Haptic devices for Performance Enhancement 2007 ,		7
13	. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 3586-3600	2	31
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