

# Enzo Pasquale Scilingo

## List of Publications by Citations

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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	Wearable, redundant fabric-based sensor arrays for reconstruction of body segment posture. <i>IEEE Sensors Journal</i> , <b>2004</b> , 4, 807-818	4	179
171	Performance evaluation of sensing fabrics for monitoring physiological and biomechanical variables. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2005</b> , 9, 345-52		162
170	Strain sensing fabric for hand posture and gesture monitoring. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2005</b> , 9, 372-81		155
169	. <i>IEEE Sensors Journal</i> , <b>2003</b> , 3, 460-467	4	151
168	cvxEDA: A Convex Optimization Approach to Electrodermal Activity Processing. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 797-804	5	145
167	The effect of visual experience on the development of functional architecture in hMT+. <i>Cerebral Cortex</i> , <b>2007</b> , 17, 2933-9	5.1	138
166	. <i>IEEE Transactions on Affective Computing</i> , <b>2012</b> , 3, 237-249	5.7	132
165	Haptic discrimination of softness in teleoperation: the role of the contact area spread rate. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2000</b> , 16, 496-504		132
164	Affective computing in virtual reality: emotion recognition from brain and heartbeat dynamics using wearable sensors. <i>Scientific Reports</i> , <b>2018</b> , 8, 13657	4.9	124
163	. <i>IEEE Transactions on Affective Computing</i> , <b>2015</b> , 6, 385-394	5.7	108
162	Complexity index from a personalized wearable monitoring system for assessing remission in mental health. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2015</b> , 19, 132-9	7.2	100
161	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> , <b>2014</b> , 18, 1623-35	7.3	99
160	Revealing real-time emotional responses: a personalized assessment based on heartbeat dynamics. <i>Scientific Reports</i> , <b>2014</b> , 4, 4998	4.9	96
159	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2015</b> , 16, 1505-1517	6.1	78
158	Rendering Softness: Integration of Kinesthetic and Cutaneous Information in a Haptic Device. <i>IEEE Transactions on Haptics</i> , <b>2010</b> , 3, 109-118	2.7	73
157	Mood recognition in bipolar patients through the PSYCHE platform: preliminary evaluations and perspectives. <i>Artificial Intelligence in Medicine</i> , <b>2013</b> , 57, 49-58	7.4	71
156	Comparative evaluation of susceptibility to motion artifact in different wearable systems for monitoring respiratory rate. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2010</b> , 14, 378-86		66

155	A synergy-based hand control is encoded in human motor cortical areas. <i>ELife</i> , <b>2016</b> , 5,	8.9	66
154	Dominant Lyapunov exponent and approximate entropy in heart rate variability during emotional visual elicitation. <i>Frontiers in Neuroengineering</i> , <b>2012</b> , 5, 3		61
153	Electrodermal activity in bipolar patients during affective elicitation. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2014</b> , 18, 1865-73	7.2	60
152	. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 2914-2926	4.8	57
151	Arousal and Valence Recognition of Affective Sounds Based on Electrodermal Activity. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 716-725	4	55
150	Tactile flow explains haptic counterparts of common visual illusions. <i>Brain Research Bulletin</i> , <b>2008</b> , 75, 737-41	3.9	52
149	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> , <b>2015</b> , 19, 263-74	7.2	48
148	Oscillations of heart rate and respiration synchronize during affective visual stimulation. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2012</b> , 16, 683-90		46
147	Inhomogeneous point-process entropy: an instantaneous measure of complexity in discrete systems. <i>Physical Review E</i> , <b>2014</b> , 89, 052803	2.4	45
146	Polymer based interfaces as bioinspired "smart skins" <i>Advances in Colloid and Interface Science</i> , <b>2005</b> , 116, 165-78	14.3	43
145	Mood states modulate complexity in heartbeat dynamics: A multiscale entropy analysis. <i>Europhysics Letters</i> , <b>2014</b> , 107, 18003	1.6	41
144	A novel EDA glove based on textile-integrated electrodes for affective computing. <i>Medical and Biological Engineering and Computing</i> , <b>2012</b> , 50, 1163-72	3.1	41
143	Robust multiple cardiac arrhythmia detection through bispectrum analysis. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 6798-6804	7.8	41
142	A multimodal transducer for cardiopulmonary activity monitoring in emergency. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2010</b> , 14, 817-25		41
141	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> , <b>2012</b> , 2012, 2104-7	0.9	39
140	Improving emotion recognition systems by embedding cardiorespiratory coupling. <i>Physiological Measurement</i> , <b>2013</b> , 34, 449-64	2.9	38
139	Predicting Mood Changes in Bipolar Disorder through Heartbeat Nonlinear Dynamics. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2016</b> , 20, 1034-1043	7.2	35
138	Point-process nonlinear autonomic assessment of depressive states in bipolar patients. <i>Methods of Information in Medicine</i> , <b>2014</b> , 53, 296-302	1.5	34

137	Eye gaze patterns in emotional pictures. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2013</b> , 4, 705-715	3.7	33
136	Low-error digital hardware implementation of artificial neuron activation functions and their derivative. <i>Microprocessors and Microsystems</i> , <b>2011</b> , 35, 557-567	2.4	31
135	. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 3586-3600	2	31
134	Advances in Electrodermal Activity Processing with Applications for Mental Health <b>2016</b> ,		29
133	Sensing Glove for Brain Studies: Design and Assessment of Its Compatibility for fMRI With a Robust Test. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2008</b> , 13, 345-354	5.5	29
132	Assessing Autonomic Function from Electrodermal Activity and Heart Rate Variability During Cold-Pressor Test and Emotional Challenge. <i>Scientific Reports</i> , <b>2020</b> , 10, 5406	4.9	27
131	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</i> , <b>2015</b> , 15, 28070-87	3.8	27
130	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> , <b>2013</b> , 2013, 2579-82	0.9	27
129	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> , <b>2010</b> , 2010, 3598-601	0.9	26
128	Skin Admittance Measurement for Emotion Recognition: A Study over Frequency Sweep. <i>Electronics (Switzerland)</i> , <b>2016</b> , 5, 46	2.6	25
127	Time-Resolved Directional Brain-Heart Interplay Measurement Through Synthetic Data Generation Models. <i>Annals of Biomedical Engineering</i> , <b>2019</b> , 47, 1479-1489	4.7	24
126	A Novel Algorithm for Movement Artifact Removal in ECG Signals Acquired from Wearable Systems Applied to Horses. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140783	3.7	24
125	Assessment of spontaneous cardiovascular oscillations in Parkinson's disease. <i>Biomedical Signal Processing and Control</i> , <b>2016</b> , 26, 80-89	4.9	22
124	Automatic analysis of speech F0 contour for the characterization of mood changes in bipolar patients. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 17, 29-37	4.9	20
123	Real vs. immersive-virtual emotional experience: Analysis of psycho-physiological patterns in a free exploration of an art museum. <i>PLoS ONE</i> , <b>2019</b> , 14, e0223881	3.7	19
122	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> , <b>2007</b> , 2007, 2651-4		18
121	A Wearable System for the Evaluation of the Human-Horse Interaction: A Preliminary Study. <i>Electronics (Switzerland)</i> , <b>2016</b> , 5, 63	2.6	18
120	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> , <b>2018</b> , 22, 741-749	7.2	17

119	Nonlinear digital signal processing in mental health: characterization of major depression using instantaneous entropy measures of heartbeat dynamics. <i>Frontiers in Physiology</i> , <b>2015</b> , 6, 74	4.6	17
118	Analysis of speech features and personality traits. <i>Biomedical Signal Processing and Control</i> , <b>2019</b> , 51, 1-7	4.9	16
117	A new fabric-based softness display <b>2010</b> ,		16
116	Predicting Object-Mediated Gestures From Brain Activity: An EEG Study on Gender Differences. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 411-418	4.8	16
115	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> , <b>2016</b> , 1-10	4.1	15
114	On the Time-Invariance Properties of Upper Limb Synergies. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 1397-1406	4.8	15
113	Mind-body relationships in elite apnea divers during breath holding: a study of autonomic responses to acute hypoxemia. <i>Frontiers in Neuroengineering</i> , <b>2012</b> , 5, 4		15
112	The social perceptual salience effect. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2013</b> , 39, 62-74	2.6	15
111	Lateralization of directional brain-heart information transfer during visual emotional elicitation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 317, R25-R38	3.2	14
110	Eye tracking and pupil size variation as response to affective stimuli: a preliminary study <b>2011</b> ,		14
109	Emotional Transfer in Human-Horse Interaction: New Perspectives on Equine Assisted Interventions. <i>Animals</i> , <b>2019</b> , 9,	3.1	14
108	Functional Linear and Nonlinear Brain-Heart Interplay during Emotional Video Elicitation: A Maximum Information Coefficient Study. <i>Entropy</i> , <b>2019</b> , 21, 892	2.8	14
107	Heartbeat Complexity Modulation in Bipolar Disorder during Daytime and Nighttime. <i>Scientific Reports</i> , <b>2017</b> , 7, 17920	4.9	13
106	Characterizing psychological dimensions in non-pathological subjects through autonomic nervous system dynamics. <i>Frontiers in Computational Neuroscience</i> , <b>2015</b> , 9, 37	3.5	13
105	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> , <b>2012</b> , 2012, 29-32	0.9	13
104	Longitudinal monitoring of heartbeat dynamics predicts mood changes in bipolar patients: A pilot study. <i>Journal of Affective Disorders</i> , <b>2017</b> , 209, 30-38	6.6	12
103	Validation of smart textile electrodes for electrocardiogram monitoring in free-moving horses. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , <b>2017</b> , 17, 19-23	1.9	12
102	A pattern recognition approach based on electrodermal response for pathological mood identification in bipolar disorders <b>2014</b> ,		12

101	Assessment of muscle fatigue during isometric contraction using autonomic nervous system correlates. <i>Biomedical Signal Processing and Control</i> , <b>2019</b> , 51, 42-49	4.9	11
100	Assessing the Quality of Heart Rate Variability Estimated from Wrist and Finger PPG: A Novel Approach Based on Cross-Mapping Method. <i>Sensors</i> , <b>2020</b> , 20,	3.8	11
99	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> , <b>2014</b> , 28, 795-803	10.9	11
98	Comparative study on photometric normalization algorithms for an innovative, robust and real-time eye gaze tracker. <i>Journal of Real-Time Image Processing</i> , <b>2013</b> , 8, 21-33	1.9	11
97	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> , <b>2015</b> , 2015, 5777-80	0.9	10
96	EEG oscillations during caress-like affective haptic elicitation. <i>Psychophysiology</i> , <b>2018</b> , 55, e13199	4.1	10
95	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> , <b>2018</b> , 8, 4492	4.9	9
94	Affective communication during bad news consultation. Effect on analogue patients Theart rate variability and recall. <i>Patient Education and Counseling</i> , <b>2018</b> , 101, 1892-1899	3.1	9
93	On the Role of Affective Properties in Hedonic and Discriminant Haptic Systems. <i>International Journal of Social Robotics</i> , <b>2017</b> , 9, 87-95	4	9
92	Robotic Social Therapy on Children with Autism: Preliminary Evaluation through Multi-parametric Analysis <b>2012</b> ,		9
91	Promises and trust in human-robot interaction. <i>Scientific Reports</i> , <b>2021</b> , 11, 9687	4.9	9
90	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> , <b>2012</b> , 2012, 500-505	0.9	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</i> , <b>2015</b> , 2015, 298-301	0.9	8
88	Nonlinear Analysis of Eye-Tracking Information for Motor Imagery Assessments. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 1431	5.1	8
87	Assessment of linear and nonlinear/complex heartbeat dynamics in subclinical depression (dysphoria). <i>Physiological Measurement</i> , <b>2018</b> , 39, 034004	2.9	8
86	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> , <b>2013</b> , 2013, 6559-62	0.9	8
85	Sensors for Wearable Systems <b>2011</b> , 3-25		8
84	Motor imagery effectiveness for mirror reversed movements. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2011</b> , 11, 22-31	3.5	8

83	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</i> , <b>2016</b> , 2016, 2696-2699	0.9	8
82	Acute stress state classification based on electrodermal activity modeling. <i>IEEE Transactions on Affective Computing</i> , <b>2021</b> , 1-1	5.7	8
81	Multichannel Complexity Index (MCI) for a multi-organ physiological complexity assessment. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 530, 121543	3.3	7
80	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</i> , <b>2016</b> , 2016, 4519-4522	0.9	7
79	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> , <b>2015</b> , 2015, 6106-9	0.9	7
78	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> , <b>2011</b> , 2011, 8369-72	0.9	7
77	Integrating Two Haptic devices for Performance Enhancement <b>2007</b> ,		7
76	Electroactive fabrics and wearable man-machine interfaces <b>2005</b> , 59-80		7
75	Automated Recognition of Sleep Arousal Using Multimodal and Personalized Deep Ensembles of Neural Networks <b>2018</b> ,		7
74	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> , <b>2019</b> ,	0.9	6
73	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> , <b>2017</b> , 2017, 1320-1323	0.9	6
72	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> , <b>2009</b> ,	0.9	6
71	Wearable kinesthetic system for joint knee flexion-extension monitoring in gait analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2006</b> , 2006, 1497-500		6
70	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> , <b>2018</b> , 2018, 3060-3063	0.9	6
69	Brain Dynamics Induced by Pleasant/Unpleasant Tactile Stimuli Conveyed by Different Fabrics. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2019</b> , 23, 2417-2427	7.2	5
68	Assessing mood symptoms through heartbeat dynamics: An HRV study on cardiosurgical patients. <i>Journal of Psychiatric Research</i> , <b>2017</b> , 95, 179-188	5.2	5
67	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> , <b>2015</b> , 2015, 1955-8	0.9	5
66	Strain-amplified electroactive polymer actuator for haptic interfaces <b>2001</b> ,		5

65	Robust Head Mounted Wearable Eye Tracking System for Dynamical Calibration. <i>Journal of Eye Movement Research</i> , <b>2015</b> , 8,	1.7	5
64	Inside the Interaction: Contact With Familiar Humans Modulates Heart Rate Variability in Horses. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 582759	3.1	5
63	Classifying Affective Haptic Stimuli through Gender-Specific Heart Rate Variability Nonlinear Analysis. <i>IEEE Transactions on Affective Computing</i> , <b>2020</b> , 11, 459-469	5.7	5
62	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> , <b>2021</b> , 12, 417-428	5.7	5
61	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> , <b>2016</b> , 2016, 399-402	0.9	4
60	Analysis of running speech for the characterization of mood state in bipolar patients <b>2015</b> ,		4
59	Predicting mood changes in bipolar disorder through heartbeat nonlinear dynamics: A preliminary study <b>2015</b> ,		4
58	Robotic Social Therapy on Children with Autism: Preliminary Evaluation through Multi-parametric Analysis <b>2012</b> ,		4
57	Advanced modelling and preliminary psychophysical experiments for a free-hand haptic device <b>2006</b> ,		4
56	Smart textiles biotechnology for electrocardiogram monitoring in horses during exercise on treadmill: Validation tests. <i>Equine Veterinary Journal</i> , <b>2021</b> , 53, 373-378	2.4	4
55	Using blood data for the differential diagnosis and prognosis of motor neuron diseases: a new dataset for machine learning applications. <i>Scientific Reports</i> , <b>2021</b> , 11, 3371	4.9	4
54	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> , <b>2020</b> , 20, 93	4.2	3
53	Advanced technology meets mental health: how smartphones, textile electronics, and signal processing can serve mental health monitoring, diagnosis, and treatment. <i>IEEE Pulse</i> , <b>2014</b> , 5, 56-9	0.7	3
52	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> , <b>2017</b> , 2017, 4553-4556	0.9	3
51	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</i> , <b>2015</b> , 2015, 4733-6	0.9	3
50	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> , <b>2014</b> , 2014, 2948-51	0.9	3
49	New Ultrasound-Based Wearable System for Cardiac Monitoring <b>2006</b> ,		3
48	A compatible electrocutaneous display for functional magnetic resonance imaging application. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2006</b> , 2006, 1021-4		3



47	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, 2018, 2018, 231-234</i>	0.9	3
46	Recognition of affective haptic stimuli conveyed by different fabrics sing EEG-based sparse SVM <b>2017,</b>		2
45	Brain dynamics during emotion elicitation in healthy subjects: An EEG study <b>2015,</b>		2
44	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, 2015, 2015, 2283-6</i>	0.9	2
43	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, 2015, 2015, 6110-3</i>	0.9	2
42	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, 2014, 2014, 6113-6</i>	0.9	2
41	Smart Textiles: Technology and Wireless System Network Applications. <i>Springer Series on Chemical Sensors and Biosensors, 2012, 127-158</i>	2	2
40	Electrodermal Phenomena and Recording Techniques <b>2016, 1-17</b>		1
39	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, 2016, 2016, 728-731</i>	0.9	1
38	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
37	Exploiting Physiological Sensors and Biosignal Processing to Enhance Monitoring Care in Mental Health. <i>Scalable Computing and Communications, 2017, 515-550</i>	0.2	1
36	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, 2017, 2017, 3765-3768</i>	0.9	1
35	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, 2017, 2017, 3765-3768</i>	0.9	1
34	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, 2017, 2017, 398-401</i>	0.9	1
33	Experimental Evidences on Healthy Subjects and Bipolar Patients. <i>Series in Bioengineering, 2014, 85-123</i>	0.7	1
32	FMRI Compatible Sensing Glove for Hand Gesture Monitoring. <i>Springer Series on Touch and Haptic Systems, 2012, 215-228</i>	0.1	1
31	Introduction to Advances in Autonomic Nervous System Dynamics for Mood and Emotional-State Recognition. <i>Series in Bioengineering, 2014, 3-8</i>	0.7	1
30	A preliminary study on parasympathetic-sympathetic interaction through the analysis of heart rate variability and electrodermal activity <b>2020,</b>		1

29	Towards a model of arousal change after affective word pronunciation based on electrodermal activity and speech analysis. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 67, 102517	4.9	1
28	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</i> , <b>2016</b> , 2016, 4555-4558	0.9	1
27	Refined Generalized Multivariate Multiscale Fuzzy Entropy: A Preliminary Study on Multichannel Physiological Complexity During Postural Changes <b>2018</b> ,		1
26	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> , <b>2021</b> , 68, 3019-3028	5	1
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