Francisco Sepulveda

List of Publications by Year
in descending order

37 papers	**1,160** citations	567281 **15** h-index	552781 **26** g-index
38 all docs	**38** docs citations	**38** times ranked	**1147** citing authors

#	Article	IF	Citations
1	A Review of Non-Invasive Techniques to Detect and Predict Localised Muscle Fatigue. Sensors, 2011, 11, 3545-3594.	3.8	214
2	P300-Based BCI Mouse With Genetically-Optimized Analogue Control. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2008, 16, 51-61.	4.9	134
3	A neural network representation of electromyography and joint dynamics in human gait. Journal of Biomechanics, 1993, 26, 101-109.	2.1	130
4	Does Short-Term Exposure to Mobile Phone Base Station Signals Increase Symptoms in Individuals Who Report Sensitivity to Electromagnetic Fields? A Double-Blind Randomized Provocation Study. Environmental Health Perspectives, 2007, 115, 1603-1608.	6.0	103
5	Delta band contribution in cue based single trial classification of real and imaginary wrist movements. Medical and Biological Engineering and Computing, 2008, 46, 529-539.	2.8	88
6	Towards cooperative brain-computer interfaces for space navigation. , 2013, , .		40
7	A two-stage four-class BCI based on imaginary movements of the left and the right wrist. Medical Engineering and Physics, 2012, 34, 964-971.	1.7	38
8	An Autonomous Wearable System for Predicting and Detecting Localised Muscle Fatigue. Sensors, 2011, 11, 1542-1557.	3.8	36
9	Reaction-time binning: A simple method for increasing the resolving power of ERP averages. Psychophysiology, 2010, 47, 467-485.	2.4	34
10	Short‐term exposure to mobile phone base station signals does not affect cognitive functioning or physiological measures in individuals who report sensitivity to electromagnetic fields and controls. Bioelectromagnetics, 2009, 30, 556-563.	1.6	32
11	Do TETRA (Airwave) Base Station Signals Have a Short-Term Impact on Health and Well-Being? A Randomized Double-Blind Provocation Study. Environmental Health Perspectives, 2010, 118, 735-741.	6.0	30
12	Classification effects of real and imaginary movement selective attention tasks on a P300-based brain–computer interface. Journal of Neural Engineering, 2010, 7, 056004.	3.5	29
13	Novel Feature Modelling the Prediction and Detection of sEMG Muscle Fatigue towards an Automated Wearable System. Sensors, 2010, 10, 4838-4854.	3.8	27
14	Wavelets and ensemble of FLDs for P300 classification. , 2009, , .		26
15	Evolved pseudo-wavelet function to optimally decompose sEMG for automated classification of localized muscle fatigue. Medical Engineering and Physics, 2011, 33, 411-417.	1.7	24
16	Cognitive and physiological responses in humans exposed to a TETRA base station signal in relation to perceived electromagnetic hypersensitivity. Bioelectromagnetics, 2012, 33, 23-39.	1.6	19
17	The Relative Contribution of High-Gamma Linguistic Processing Stages of Word Production, and Motor Imagery of Articulation in Class Separability of Covert Speech Tasks in EEG Data. Journal of Medical Systems, 2019, 43, 20.	3.6	18
18	Novel Pseudo-Wavelet Function for MMG Signal Extraction during Dynamic Fatiguing Contractions. Sensors, 2014, 14, 9489-9504.	3.8	16

#	Article	IF	Citations
19	Improving decision-making based on visual perception via a collaborative brain-computer interface. , 2013, , .		15
20	The contribution of different frequency bands in class separability of covert speech tasks for BCIs. , 2017, 2017, 2093-2096.		13
21	Classifying speech related vs. idle state towards onset detection in brain-computer interfaces overt, inhibited overt, and covert speech sound production vs. idle state. , 2014, , .		12
22	Sequential classification of mental tasks vs. idle state for EEG based BCIs. , 2009, , .		11
23	Perceptual errors in the Farwell and Donchin matrix speller. , 2009, , .		11
24	Exploring multiple protocols for a brain-computer interface mouse. , 2010, 2010, 4189-92.		10
25	Development of a simulated living-environment platform: Design of BCI assistive software and modeling of a virtual dwelling place. CAD Computer Aided Design, 2014, 54, 39-50.	2.7	10
26	Super Wavelet for sEMG Signal Extraction During Dynamic Fatiguing Contractions. Journal of Medical Systems, 2015, 39, 167.	3.6	8
27	An Artificial Neural System for Closed Loop Control of Locomotion Produced via Neuromuscular Electrical Stimulation. Artificial Organs, 1995, 19, 231-237.	1.9	6
28	Analogue evolutionary brain computer interfaces [Application Notes. IEEE Computational Intelligence Magazine, 2009, 4, 27-31.	3.2	6
29	Classifying siren-sound mental rehearsal and covert production vs. idle state towards onset detection in brain-computer interfaces. , 2015, , .		4
30	Python in Brain-Computer Interfaces (BCI): Development of a BCI based on Motor imagery. , 2011, , .		3
31	Optimal Elbow Angle for Extracting sEMG Signals During Fatiguing Dynamic Contraction. Computers, 2015, 4, 251-264.	3.3	3
32	Chapter 7 An Overview of BMIs. International Review of Neurobiology, 2009, 86, 93-106.	2.0	2
33	User Experience May be Producing Greater Heart Rate Variability than Motor Imagery Related Control Tasks during the User-System Adaptation in Brain-Computer Interfaces. Frontiers in Physiology, 2016, 7, 279.	2.8	2
34	An online self-paced brain-computer interface onset detection based on sound-production imagery applied to real-life scenarios. , 2017, , .		2
35	Perception and Cognition of Cues Used in Synchronous Brain–Computer Interfaces Modify Electroencephalographic Patterns of Control Tasks. Frontiers in Human Neuroscience, 2015, 9, 636.	2.0	1
36	Optimal Elbow Angle for MMG Signal Classification of Biceps Brachii during Dynamic Fatiguing Contraction. Lecture Notes in Computer Science, 2015, , 303-314.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Comparison between covert sound-production task (sound-imagery) vs. motor-imagery for onset detection in real-life online self-paced BCIs. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 14.	4.6	0