Scopus

☐ All

Document details

$<$ Back to results $\mid \ 1 \ \text{of} \ 1$	Metrics _⑦	
	☑ E-mail 📆 Save to PDF ద Add to List More >	
Full Text View at Publisher		
International journal of online and biomedical engineering Volume 15, Issue 10, 2019, Pages 77-90		*
EEG based biometric identification using correlation and MLPNN models (Article) (Open Access)		PlumX Metrics Usage, Captures, Mentions, Social Media and Citations
Waili, T. ^a ⊠, Johar, M.G.M. ^a , Sidek, K.	A. ^b , Nor, N.S.H.M. ^b , Yaacob, H. ^c , Othman, M. ^c 🙎	beyond Scopus.
	ineering, Management and Science University, Shah Alam, Selangor,	
Malaysia bDepartment of Electrical and Computer Engineering, Kulliyyah of Engineering, International Islamic University Malaysia, Kuala Lumpur, Malaysia cKulliyyah of Information and Communication Technology, International Islamic University Malaysia, Kuala Lumpur,		Cited by 0 documents
Malaysia		Inform me when this document
Abstract	∨ View references (14)	is cited in Scopus:
This study investigates the capability of ele	ectroencephalogram (EEG) signals to be used for biometric	Set citation alert >
identification . In the context of biomet substitute the biometric modalities that	ric , recently, researchers have been focusing more on biomedical signals to are being used nowadays as the signals obtained from our bodies is pliant. The EEG signals of 6 subjects were collected where the subjects	Set citation feed >
were required to undergo two baseline ex processed using a 2nd order Butterworth	periments which are, eyes open (EO) and eyes closed (EC). The signals were filter to eliminate the unwanted noise in the signals. Then, Daubechies (db8) eature extraction stage and from there, Power Spectral Density (PSD) of	Related documents
alpha and beta waves was computed. Fina MLPNN) was applied to classify the EEG	On the Permanence of EEG Signals for Biometric Recognition	
significant difference of coefficient between 1 for autocorrelation and the coefficient v. MLPNN model gives an accuracy of 7 respectively. Therefore, these results support	Maiorana, E. , La Rocca, D. , Campisi, P. (2016) IEEE Transactions on Information Forensics and Security	
SciVal Topic Prominence (i)		Low-cost electroencephalogram (EEG) based authentication
Topic: Electroencephalography Biometr Prominence percentile: 87.395	rics Person authentication	Ashby, C., Bhatia, A., Tenore, F. (2011) 2011 5th International IEEE/EMBS Conference on Neural Engineering, NER 2011
Author keywords		Eigenbrains and Eigentensorbrains: Parsimonious
Biometric Correlation and MLPNN EEG		bases for EEG biometrics
		Maiorana, E. , Rocca, D.L. , Campisi, P. (2016) Neurocomputing
ISSN: 26268493	DOI: 10.3991/iine v15:10.10880	View all related documents based on references
Source Type: Journal Original language: English	DOI: 10.3991/ijoe.v15i10.10880 Document Type: Article Publisher: Kassel University Press GmbH	Find more related documents in Scopus based on:
References (14)	View in search results format >	Authors > Keywords >

Export 🖶 Print 🖾 E-mail 📆 Save to PDF Create bibliography