

# Dat T Tran

## List of Publications by Year in descending order

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Version: 2024-02-01

152  
papers

961  
citations

840776  
11  
h-index

940533  
16  
g-index

165  
all docs

165  
docs citations

165  
times ranked

807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Senior health monitoring using Kinect. , 2012, , .		53
2	Emotion Recognition Using the Emotiv EPOC Device. Lecture Notes in Computer Science, 2012, , 394-399.	1.3	46
3	Password Entropy and Password Quality. , 2010, , .		40
4	Multi-factor EEG-based user authentication. , 2014, , .		36
5	Vulnerability of speaker verification to voice mimicking. , 0, , .		34
6	Age and gender classification using EEG paralinguistic features. , 2013, , .		25
7	Testing Voice Mimicry with the YOHO Speaker Verification Corpus. Lecture Notes in Computer Science, 2005, , 15-21.	1.3	25
8	An optimal sphere and two large margins approach for novelty detection. , 2010, , .		24
9	A Novel Spam Email Detection System Based on Negative Selection. , 2009, , .		23
10	Fuzzy hidden Markov models for speech and speaker recognition. , 0, , .		22
11	Remote multimodal biometric authentication using bit priority-based fragile watermarking. , 2008, , .		21
12	EEG-Based User Authentication in Multilevel Security Systems. Lecture Notes in Computer Science, 2013, , 513-523.	1.3	21
13	A Security Architecture for e-Health Services. International Conference on Advanced Communication Technology, 2008, , .	0.0	20
14	Construction of Fuzzy Ontology-Based Terrorism Event Extraction. , 2010, , .		20
15	Investigating the possibility of applying EEG lossy compression to EEG-based user authentication. , 2017, , .		19
16	Fuzzy C-Means Clustering-Based Speaker Verification. Lecture Notes in Computer Science, 2002, , 318-324.	1.3	16
17	A Comprehensive Survey of the Feature Extraction Methods in the EEG Research. Lecture Notes in Computer Science, 2012, , 274-283.	1.3	15
18	Motor Imagery EEG-Based Person Verification. Lecture Notes in Computer Science, 2013, , 430-438.	1.3	15

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19	Enhancing Performance of EEG-based Emotion Recognition Systems Using Feature Smoothing. Lecture Notes in Computer Science, 2015, , 95-102.	1.3	15
20	Human identification with electroencephalogram (EEG) signal processing. , 2012, , .		14
21	A study on the feature selection of network traffic for intrusion detection purpose. , 2008, , .		12
22	EEG-Based Person Verification Using Multi-Sphere SVDD and UBM. Lecture Notes in Computer Science, 2013, , 289-300.	1.3	12
23	A study on the stability of EEG signals for user authentication. , 2015, , .		12
24	Wavelet transform and adaptive arithmetic coding techniques for EEG lossy compression. , 2017, , .		12
25	Face Gender Recognition Based on 2D Principal Component Analysis and Support Vector Machine. , 2010, , .		11
26	A Study on the Feasibility of Using EEG Signals for Authentication Purpose. Lecture Notes in Computer Science, 2013, , 562-569.	1.3	11
27	Analysing the Robust EEG Channel Set for Person Authentication. Lecture Notes in Computer Science, 2015, , 162-173.	1.3	11
28	Tensor decomposition and application in image classification with histogram of oriented gradients. Neurocomputing, 2015, 165, 38-45.	5.9	11
29	On The Study of EEG-based Cryptographic Key Generation. Procedia Computer Science, 2017, 112, 936-945.	2.0	11
30	INTEGRATED ALGORITHMS FOR IMAGE ANALYSIS AND CLASSIFICATION OF NUCLEAR DIVISION FOR HIGH-CONTENT CELL-CYCLE SCREENING. International Journal of Computational Intelligence and Applications, 2006, 06, 21-43.	0.8	10
31	Fuzzy Vector Quantization for Network Intrusion Detection. , 2007, , .		10
32	Using EEG artifacts for BCI applications. , 2014, , .		10
33	Australian Accent-Based Speaker Classification. , 2010, , .		9
34	Negative Selection with Antigen Feedback in Intrusion Detection. Lecture Notes in Computer Science, 2008, , 200-209.	1.3	9
35	Fuzzy Multi-sphere Support Vector Data Description. , 2012, , .		8
36	Proximity multi-sphere support vector clustering. Neural Computing and Applications, 2013, 22, 1309-1319.	5.6	8

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37	EEG-Based Age and Gender Recognition Using Tensor Decomposition and Speech Features. Lecture Notes in Computer Science, 2013, , 632-639.	1.3	8
38	A proposed likelihood transformation for speaker verification. , 0, , .		7
39	Fuzzy Methods for Voice-Based Person Authentication. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 1958-1963.	0.2	7
40	A Multi-agent Security Architecture. , 2009, , .		7
41	Multiple distribution data description learning method for novelty detection. , 2011, , .		7
42	A Proposed Blind DWT-SVD Watermarking Scheme for EEG Data. Lecture Notes in Computer Science, 2015,, , 69-76.	1.3	7
43	A Study of Combined Lossy Compression and Seizure Detection on Epileptic EEG Signals. Procedia Computer Science, 2018, 126, 156-165.	2.0	7
44	Improved HOG Descriptors in Image Classification with CP Decomposition. Lecture Notes in Computer Science, 2013, , 384-391.	1.3	7
45	Possibility Theory-Based Approach to Spam Email Detection. , 2007, , .		6
46	Ontology-Based Terrorism Event Extraction. , 2009, , .		6
47	Investigating the impacts of epilepsy on EEG-based person identification systems. , 2014, , .		6
48	A FUZZY APPROACH TO SPEAKER VERIFICATION. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 913-925.	1.2	5
49	Classification of gender and face based on gradient faces. , 2011, , .		5
50	Ownership protection of outsourced biomedical time series data based on optimal watermarking scheme in data mining. Australasian Journal of Information Systems, 2017, 21, .	0.3	5
51	Deep Learning Approach to Biogeographical Ancestry Inference. Procedia Computer Science, 2019, 159, 552-561.	2.0	5
52	People Identification with RMS-Based Spatial Pattern of EEG Signal. Lecture Notes in Computer Science, 2012, , 310-318.	1.3	5
53	Fuzzy support vector machines for age and gender classification. , 0, , .		5
54	Generalised Fuzzy Hidden Markov Models for Speech Recognition. Lecture Notes in Computer Science, 2002, , 345-351.	1.3	4

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55	VQ-based written language identification. , 2003, , .		4
56	Dynamic Scheduling Using Multiagent Architecture. Lecture Notes in Computer Science, 2004, , 476-482.	1.3	4
57	Automated network feature weighting-based anomaly detection. , 2008, , .		4
58	Robust Support Vector Machine. , 2014, , .		4
59	The impact of data fragment sizes on file type recognition. , 2014, , .		4
60	EEG-Based Random Number Generators. Lecture Notes in Computer Science, 2017, , 248-256.	1.3	4
61	An intelligent learning-based watermarking scheme for outsourced biomedical time series data. , 2017, , .		4
62	Decision tree algorithms for image data type identification. Logic Journal of the IGPL, 2017, 25, 67-82.	1.5	4
63	Impact of lossy data compression techniques on EEG-based pattern recognition systems. , 2018, , .		4
64	Experiments on Synchronous Nonlinear Features for 2-Class NIRS-Based Motor Imagery Problem. IFMBE Proceedings, 2013, , 8-12.	0.3	4
65	Priority Watermarking-Based Face-Fingerprint Authentication System. , 2009, , .		3
66	Experiments on using combined short window bivariate autoregression for EEG classification. , 2011, , .		3
67	Face recognition based on Gabor features. , 2011, , .		3
68	An approach to detect network attacks applied for network forensics. , 2014, , .		3
69	Graph-based semi-supervised Support Vector Data Description for novelty detection. , 2015, , .		3
70	Emotional Influences on Cryptographic Key Generation Systems using EEG signals. Procedia Computer Science, 2018, 126, 703-712.	2.0	3
71	On an IT Security Framework. Lecture Notes in Computer Science, 2005, , 226-232.	1.3	3
72	Automatic Speech-Based Classification of Gender, Age and Accent. Lecture Notes in Computer Science, 2010, , 288-299.	1.3	3

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73	Novel Metrics for Face Recognition Using Local Binary Patterns. Lecture Notes in Computer Science, 2011, , 436-445.	1.3	3
74	A Microscopic Image Classification System for High-Throughput Cell-Cycle Screening. International Journal of Intelligent Computing in Medical Sciences and Image Processing, 2007, 1, 67-77.	0.5	3
75	A Multi-agent Security Framework for e-Health Services. Lecture Notes in Computer Science, 2007, , 547-554.	1.3	3
76	Hybrid Approach for Diagnosing Thyroid, Hepatitis, and Breast Cancer Based on Correlation Based Feature Selection and Naïve Bayes. Lecture Notes in Computer Science, 2012, , 272-280.	1.3	3
77	High Order Moment Features for NIRS-Based Classification Problems. IFMBE Proceedings, 2013, , 4-7.	0.3	3
78	Mathematics teaching pedagogies to tertiary engineering and information technology students: a literature review. International Journal of Mathematical Education in Science and Technology, 2022, 53, 1609-1628.	1.4	3
79	Fuzzy Normalisation Methods for Pattern Verification. Lecture Notes in Computer Science, 2004, , 648-654.	1.3	2
80	Cell phase identification using fuzzy Gaussian mixture models. , 2005, , .		2
81	A Novel Approach to Programming: Agent Based Software Engineering. Lecture Notes in Computer Science, 2006, , 1184-1191.	1.3	2
82	Automated network feature weighting-based intrusion detection systems. , 2008, , .		2
83	A new support vector machine method for medical image classification. , 2010, , .		2
84	Generalised Support Vector Machine for Brain-Computer Interface. Lecture Notes in Computer Science, 2011, , 692-700.	1.3	2
85	Multi-sphere support vector data description for brain-computer interface. , 2012, , .		2
86	A unified model for support vector machine and support vector data description. , 2012, , .		2
87	Human Identification with Electroencephalogram (EEG) for the Future Network Security. Lecture Notes in Computer Science, 2013, , 575-581.	1.3	2
88	Fuzzy entropy semi-supervised support vector data description. , 2013, , .		2
89	Chaos-based S-box for lightweight block cipher. , 2014, , .		2
90	A robust fingerprint watermark-based authentication scheme in H.264/AVC video. Vietnam Journal of Computer Science, 2014, 1, 193-206.	1.2	2

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91	Investigating The Impact Of Epilepsy On EEG-based Cryptographic Key Generation Systems. Procedia Computer Science, 2017, 112, 177-185.	2.0	2
92	Investigating the effects of lossy compression on age, gender and alcoholic information in EEG signals. Procedia Computer Science, 2019, 159, 231-240.	2.0	2
93	Improving SVM Classification on Imbalanced Datasets for EEG-Based Person Authentication. Advances in Intelligent Systems and Computing, 2020, , 57-66.	0.6	2
94	A Proposed Approach to Compound File Fragment Identification. Lecture Notes in Computer Science, 2014, , 493-500.	1.3	2
95	A PROPOSED STATISTICAL MODEL FOR SPAM EMAIL DETECTION. , 2006, , .		2
96	Detecting Image Based Spam Email. , 2007, , 168-177.		2
97	Fuzzy information fusion of classification models for high-throughput image screening of cancer cells in time-lapse microscopy. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2007, 11, 237-246.	1.0	1
98	Bit priority-based biometric watermarking. , 2008, , .		1
99	A new fuzzy membership computation method for fuzzy support vector machines. , 2010, , .		1
100	A practical study on shape space and its occupancy in negative selection. , 2010, , .		1
101	Novel Convex Active Contour Model Using Local and Global Information. , 2011, , .		1
102	Parallel Support Vector Data Description. Lecture Notes in Computer Science, 2013, , 280-290.	1.3	1
103	A general aggregate model for improving multi-class brain-computer interface systems' performance. , 2013, , .		1
104	A New Approach to Compressed File Fragment Identification. Advances in Intelligent Systems and Computing, 2015, , 377-387.	0.6	1
105	A robust real-time online comparative monitoring of an azimuthal-altitude dual axis GST 300 and a 45° fixed solar photovoltaic energy tracking systems. , 2015, , .		1
106	Fuzzy Kernel Stochastic Gradient Descent machines. , 2016, , .		1
107	Fast Kernel-based method for anomaly detection. , 2016, , .		1
108	On the Study of Impacts of Brain Conditions on EEG-based Cryptographic Key Generation Systems. Procedia Computer Science, 2018, 126, 713-722.	2.0	1

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109	Random Number Generators Based on EEG Non-linear and Chaotic Characteristics. Journal of Cyber Security and Mobility, 2018, 6, 305-338.	0.7	1
110	Biometric recognition system performance measures for lossy compression on EEG signals. Logic Journal of the IGPL, 2020, , .	1.5	1
111	Multi-Sphere Support Vector Clustering. Lecture Notes in Computer Science, 2011, , 537-544.	1.3	1
112	TABLET PC APPLICATIONS IN AN ACADEMIC ENVIRONMENT. , 2006, , .		1
113	A Novel Parameter Refinement Approach to One Class Support Vector Machine. Lecture Notes in Computer Science, 2011, , 529-536.	1.3	1
114	Deterministic Annealing Multi-Sphere Support Vector Data Description. Lecture Notes in Computer Science, 2012, , 183-190.	1.3	1
115	Modeling the Mental Differentiation Task with EEG. Lecture Notes in Computer Science, 2012, , 357-364.	1.3	1
116	Wavelet-based denoising for EEG-based pattern recognition systems. , 2020, , .		1
117	Subspace Vector Quantization and Markov Modeling for Cell Phase Classification. Lecture Notes in Computer Science, 2008, , 844-853.	1.3	1
118	Adaptive Binary Splitting for a RFID Tag Collision Arbitration Via Multi-agent Systems. , 2007, , 926-933.		1
119	State mixture modelling applied to speech recognition. Pattern Recognition Letters, 1999, 20, 1449-1456.	4.2	0
120	A proposed fuzzy pattern verification system. , 0, , .		0
121	Estimation of prior probabilities in speaker recognition. , 0, , .		0
122	Temporal hidden Markov models. , 0, , .		0
123	Relaxation Labeling for Cell Phase Identification. , 2006, , .		0
124	Fuzzy Subspace Hidden Markov Models for Pattern Recognition. , 2009, , .		0
125	Fuzzy feature weighting techniques for vector quantisation. , 2010, , .		0
126	Automatic classification of speaker characteristics. , 2010, , .		0



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127	An efficient local and global model for image segmentation. , 2011, , .		0
128	Information technologies: opportunities and challenges in personal healthcare systems. International Journal of Healthcare Technology and Management, 2012, 13, 345.	0.1	0
129	Object recognition in a context-aware application. , 2013, , .		0
130	Maximal margin learning vector quantisation. , 2013, , .		0
131	Efficiency of Sensor Devices Used in Dynamic Solar Tracking System: Comparative Assessment Parameters Review. Applied Mechanics and Materials, 2013, 448-453, 1437-1445.	0.2	0
132	Approximation-based Common Principal Component for feature extraction in multi-class Brain-Computer Interfaces. , 2013, 2013, 5061-4.		0
133	A Novel Sphere-Based Maximum Margin Classification Method. , 2014, , .		0
134	Least square Support Vector Machine for large-scale dataset. , 2015, , .		0
135	A proposed pattern recognition framework for EEG-based smart blind watermarking system. , 2016, , .		0
136	Noise Clustering-Based Speaker Verification. Lecture Notes in Computer Science, 2002, , 325-331.	1.3	0
137	Using Tuple Space to Coordinate Multiagent Activities. Lecture Notes in Computer Science, 2007, , 589-596.	1.3	0
138	Fuzzy Observable Markov Models for Pattern Recognition. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2007, 11, 662-667.	0.9	0
139	Handwriting Recognition Applications for Tablet PCs. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2007, 11, 787-792.	0.9	0
140	Filtering Spam Email with Flexible Preprocessors. Lecture Notes in Electrical Engineering, 2008, , 211-227.	0.4	0
141	Recent Advances in Cell Classification for Cancer Research and Drug Discovery. , 2009, , 205-226.		0
142	Relation Learning - A New Approach to Face Recognition. Lecture Notes in Computer Science, 2011, , 566-575.	1.3	0
143	Time Domain Parameters for Online Feedback fNIRS-Based Brain-Computer Interface Systems. Lecture Notes in Computer Science, 2012, , 192-201.	1.3	0
144	Maximal Margin Approach to Kernel Generalised Learning Vector Quantisation for Brain-Computer Interface. Lecture Notes in Computer Science, 2012, , 191-198.	1.3	0

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145	Investigating the Impacts of Brain Conditions on EEG-Based Person Identification. Advances in Intelligent Systems and Computing, 2015, , 145-155.	0.6	0
146	Experimental Study on the Effects of Watermarking Techniques on EEG-Based Application System Performance. Lecture Notes in Computer Science, 2017, , 662-671.	1.3	0
147	A Study of Combined Lossy Compression and Person Identification on EEG Signals. Advances in Intelligent Systems and Computing, 2019, , 449-458.	0.6	0
148	On the Stability of a Pass-Thought Security System in Different Brain States. Lecture Notes in Computer Science, 2019, , 556-567.	1.3	0
149	EEG-Based Person Authentication with Variational Universal Background Model. Lecture Notes in Computer Science, 2019, , 418-432.	1.3	0
150	Biogeographical Ancestry Inference from Genotype: A Comparison of Ancestral Informative SNPs and Genome-wide SNPs. , 2020, , .		0
151	Fuzzy Vector Quantization for Network Intrusion Detection. , 2007, , .		0
152	Possibility Theory-Based Approach to Spam Email Detection. , 2007, , .		0