Olcay Kursun

List of Publications by Year
in descending order

62 papers	1,181 citations	687220 13 h-index	414303 32 g-index
64 all docs	64 docs citations	64 times ranked	1322 citing authors

#	Article	IF	Citations
1	Collection and Analysis of a Parkinson Speech Dataset With Multiple Types of Sound Recordings. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 828-834.	3.9	459
2	Telediagnosis of Parkinsonâ€™s Disease Using Measurements of Dysphonia. Journal of Medical Systems, 2010, 34, 591-599.	2.2	161
3	Single-molecule correlated chemical probing of RNA. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13858-13863.	3.3	140
4	A feature selection method based on kernel canonical correlation analysis and the minimum Redundancyâ€"Maximum Relevance filter method. Expert Systems With Applications, 2012, 39, 3432-3437.	4.4	65
5	Neocortical layer 4 as a pluripotent function linearizer. Journal of Neurophysiology, 2011, 105, 1342-1360.	0.9	28
6	Online Naive Bayes classification for network intrusion detection. , 2014, , .		23
7	Quantification of Mild Traumatic Brain Injury via Cortical Metrics: Analytical Methods. Military Medicine, 2019, 184, 228-236.	0.4	20
8	Canonical correlation analysis using within-class coupling. Pattern Recognition Letters, 2011, 32, 134-144.	2.6	19
9	Mitochondrial DNA profiling via genomic analysis in mesial temporal lobe epilepsy patients with hippocampal sclerosis. Gene, 2014, 538, 323-327.	1.0	18
10	Application of canonical correlation analysis for identifying viral integration preferences. Bioinformatics, 2012, 28, 651-655.	1.8	17
11	Discriminative Feature Extraction by a Neural Implementation of Canonical Correlation Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 164-176.	7.2	17
12	A method for combining mutual information and canonical correlation analysis: Predictive Mutual Information and its use in feature selection. Expert Systems With Applications, 2012, 39, 3333-3344.	4.4	15
13	A genome-wide analysis of lentivector integration sites using targeted sequence capture and next generation sequencing technology. Infection, Genetics and Evolution, 2012, 12, 1349-1354.	1.0	15
14	An Embedded System for Collection and Real-Time Classification of a Tactile Dataset. IEEE Access, 2020, 8, 97462-97473.	2.6	15
15	FEATURE SELECTION AND EXTRACTION USING AN UNSUPERVISED BIOLOGICALLY-SUGGESTED APPROXIMATION TO GEBELEIN'S MAXIMAL CORRELATION. International Journal of Pattern Recognition and Artificial Intelligence, 2010, 24, 337-358.	0.7	13
16	Ensemble canonical correlation analysis. Applied Intelligence, 2014, 40, 291-304.	3.3	13
17	Organizational Commitment of Military Physicians. Military Medicine, 2009, 174, 929-935.	0.4	12
18	Canonical Correlation Analysis for Multiview Semisupervised Feature Extraction. Lecture Notes in Computer Science, 2010, , 430-436.	1.0	12

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19	Selection of vocal features for Parkinson's Disease diagnosis. International Journal of Data Mining and Bioinformatics, 2012, 6, 144.	0.1	11
20	SINBAD automation of scientific discovery: From factor analysis to theory synthesis. Natural Computing, 2004, 3, 207-233.	1.8	8
21	Role of the line probe assay INNO-LiPA HBV DR and ultradeep pyrosequencing in detecting resistance mutations to nucleoside/nucleotide analogues in viral samples isolated from chronic hepatitis B patients. Journal of General Virology, 2013, 94, 2729-2738.	1.3	8
22	Determination of the optimal threshold value that can be discriminated by dysphonia measurements for unified Parkinson's Disease rating scale. , 2015, , .		8
23	A Hybrid Method for Feature Selection Based on Mutual Information and Canonical Correlation Analysis. , 2010, , .		7
24	Combining multiple clusterings for protein structure prediction. International Journal of Data Mining and Bioinformatics, 2014, 10, 162.	0.1	7
25	Wearable Sensors Detect Movement Differences in the Portable Warrior Test of Tactical Agility After mTBI in Service Members. Military Medicine, 2023, 188, e637-e645.	0.4	7
26	Using covariates for improving the minimum redundancy maximum relevance feature selection method. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	0.9	7
27	Classification of the Colonic Polyps in CT-Colonography Using Region Covariance as Descriptor Features of Suspicious Regions. Journal of Medical Systems, 2010, 34, 101-105.	2.2	5
28	Multi objective SNP selection using pareto optimality. Computational Biology and Chemistry, 2013, 43, 23-28.	1.1	5
29	Prediction of Protein Sub-nuclear Location by Clustering mRMR Ensemble Feature Selection. , 2010, , .		4
30	Feature Selection For The Prediction Of Tropospheric Ozone Concentration Using A Wrapper Method. Intelligent Automation and Soft Computing, 2011, 17, 403-413.	1.6	4
31	Role of Feed-Forward Inhibition in Neocortical Information Processing: Implications for Neurological Disorders. Springer Series in Cognitive and Neural Systems, 2017, , 383-397.	0.1	4
32	Single-frame super-resolution by a cortex based mechanism using high level visual features in natural images. , 0, , .		3
33	Parallel interacting multiview learning: An application to prediction of protein sub-nuclear location. , 2009, , .		3
34	A comparative analysis of smith-waterman based partial alignment. , 2012, , .		3
35	A Novel Partial Sequence Alignment Tool for Finding Large Deletions. Scientific World Journal, The, 2012, 2012, 1-6.	0.8	3
36	Improving spectral clustering using path-based connectivity. , 2015, , .		3

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37	Suitability of features of deep convolutional neural networks for modeling somatosensory information processing. , 2019, , .		3
38	Spectral Clustering with Reverse Soft K-Nearest Neighbor Density Estimation. , 2010, , .		2
39	Stacking Class Probabilities Obtained from View-Based Cluster Ensembles. Lecture Notes in Computer Science, 2010, , 397-404.	1.0	2
40	Development of an artificial intelligence system for detection and visualization of auto theft recovery patterns. , 0, , .		1
41	Hyper-spectral image segmentation using spectral clustering with covariance descriptors. Proceedings of SPIE, 2009, , .	0.8	1
42	Statistical bias and variance of gene selection and cross validation methods: A case study on hypertension prediction. , 2012, , .		1
43	Feature extraction for facial expression recognition by canonical correlation analysis. , 2012, , .		1
44	Combining Spatial Proximity and Temporal Continuity for Learning Invariant Representations. , 2012, , .		1
45	Combining multiple views: Case studies on protein and arrhythmia features. Engineering Applications of Artificial Intelligence, 2014, 28, 174-180.	4.3	1
46	Data-Triggered Approach for Real-Time Machine Learning in IoT Systems. , 2020, , .		1
47	Eco-CMB: A Hardware-Accelerated Band-Power Feature Extractor for Tactile Embedded Systems. , 2021, , .		1
48	Reliability Assessment of Tiny Machine Learning Algorithms in the Presence of Control Flow Errors. , 2021, , .		1
49	A Dictionary-Based Approach to Fast and Accurate Name Matching in Large Law Enforcement Databases. Lecture Notes in Computer Science, 2006, , 72-82.	1.0	1
50	Identifying Effective Variables Using Mutual Information and Building Predictive Models of Sulfur Dioxide Concentration with Support Vector Machines. Ekoloji, 2010, 19, 102-112.	0.4	1
51	ANSWER: APPROXIMATE NAME SEARCH WITH ERRORS IN LARGE DATABASES BY A NOVEL APPROACH BASED ON PREFIX-DICTIONARY. International Journal on Artificial Intelligence Tools, 2006, 15, 839-848.	0.7	0
52	A validation method for comparing classifiers on imbalanced datasets. , 2012, , .		0
53	Impact of characteristics in viral integration hotspots on classification performance. , 2013, , .		0
54	Comparison of aggregators for multi-objective SNP selection. , 2013, 2013, 3062-5.		0

#	Article	IF	Citations
55	MISS ONE OUT: A CROSS-VALIDATION METHOD UTILIZING INDUCED TEACHER NOISE. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1351003.	0.7	0
56	Prediction of level and abrupt changes of ozon concentration. , 2014, , .		0
57	Methods for measuring the capacity of cortical Layer-4 representation. , 2014, , .		0
58	Multiview classification tests using cortical Layer-4 image representation. , 2015, , .		0
59	Analysis of shared miRNAs of different species using ensemble CCA and genetic distance. Computers in Biology and Medicine, 2015, 64, 261-267.	3.9	0
60	Path-based connectivity for clustering genome sequences. , 2016, 2016, 3092-3095.		0
61	Posterior Probability Convergence of k-NN Classification and K-Means Clustering. , 2013, , 171-179.		0
62	Name Matching in Law Enforcement Database. Studies in Computational Intelligence, 2008, , 151-172.	0.7	0