Anastasios Tefas

List of Publications by Year
in descending order

296 papers	5,136 citations	125106 35 h-index	162838 57 g-index
305 all docs	305 docs citations	305 times ranked	3709 citing authors

#	Article	IF	Citations
1	Robust Architecture-Agnostic and Noise Resilient Training of Photonic Deep Learning Models. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 140-149.	3.4	9
2	Probabilistic Online Self-Distillation. Neurocomputing, 2022, , .	3.5	6
3	Lightweight deep learning. , 2022, , 131-164.		2
4	Representation learning and retrieval. , 2022, , 221-241.		0
5	Channel response-aware photonic neural network accelerators for high-speed inference through bandwidth-limited optics. Optics Express, 2022, 30, 10664.	1.7	14
6	Autoencoder-driven spiral representation learning for gravitational wave surrogate modelling. Neurocomputing, 2022, 491, 67-77.	3.5	2
7	Neuromorphic Silicon Photonics and Hardware-Aware Deep Learning for High-Speed Inference. Journal of Lightwave Technology, 2022, 40, 3243-3254.	2.7	32
8	Photonic Neuromorphic Computing: Architectures, Technologies, and Training Models. , 2022, , .		5
9	Attention-Based Neural Bag-of-Features Learning for Sequence Data. IEEE Access, 2022, 10, 45542-45552.	2.6	1
10	Sentiment-Aware Distillation for Bitcoin Trend Forecasting Under Partial Observability. , 2022, , .		1
11	WDM equipped universal linear optics for programmable neuromorphic photonic processors. Neuromorphic Computing and Engineering, 2022, 2, 024010.	2.8	18
12	A Robust, Quantization-Aware Training Method forÂPhotonic Neural Networks. Communications in Computer and Information Science, 2022, , 427-438.	0.4	8
13	Electric load demand forecasting on Greek Energy Market using lightweight neural networks. , 2022, , .		7
14	Multisource financial sentiment analysis for detecting Bitcoin price change indications using deep learning. Neural Computing and Applications, 2022, 34, 19441-19452.	3.2	8
15	Price Trailing for Financial Trading Using Deep Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2837-2846.	7.2	26
16	Hypersphere-Based Weight Imprinting for Few-Shot Learning on Embedded Devices. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 925-930.	7.2	11
17	Probabilistic Knowledge Transfer for Lightweight Deep Representation Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2030-2039.	7.2	39
18	Graph Embedded Convolutional Neural Networks in Human Crowd Detection for Drone Flight Safety. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 191-204.	3.4	34

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19	Occlusion detection and drift-avoidance framework for 2D visual object tracking. Signal Processing: Image Communication, 2021, 90, 116011.	1.8	10
20	Transferring trading strategy knowledge to deep learning models. Knowledge and Information Systems, 2021, 63, 87-104.	2.1	4
21	Training Deep Photonic Convolutional Neural Networks With Sinusoidal Activations. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 384-393.	3.4	25
22	Efficient Online Subclass Knowledge Distillation for Image Classification. , 2021, , .		3
23	Human Action Recognition Using Recurrent Bag-of-Features Pooling. Lecture Notes in Computer Science, 2021, , 63-76.	1.0	0
24	A Photonic Recurrent Neuron for Time-Series Classification. Journal of Lightwave Technology, 2021, 39, 1340-1347.	2.7	12
25	Diversity-driven knowledge distillation for financial trading using Deep Reinforcement Learning. Neural Networks, 2021, 140, 193-202.	3.3	17
26	Pseudo-Active Vision For Improving Deep Visual Perception Through Neural Sensory Refinement. , 2021, , .		1
27	Online Subclass Knowledge Distillation. Expert Systems With Applications, 2021, 181, 115132.	4.4	12
28	Leveraging Quadratic Spherical Mutual Information Hashing for Fast Image Retrieval. , 2021, , .		1
29	Forecasting Financial Time Series Using Robust Deep Adaptive Input Normalization. Journal of Signal Processing Systems, 2021, 93, 1235-1251.	1.4	6
30	25GMAC/sec/axon photonic neural networks with 7GHz bandwidth optics through channel response-aware training. , 2021, , .		5
31	Compute with Light: Architectures, Technologies and Training Models for Neuromorphic Photonic Circuits. , 2021, , .		7
32	Improving Deep Reinforcement Learning for Financial Trading Using Deep Adaptive Group-Based Normalization. , 2021, , .		0
33	Autonomous UAV Cinematography. ACM Computing Surveys, 2020, 52, 1-33.	16.1	35
34	Temporal Bag-of-Features Learning for Predicting Mid Price Movements Using High Frequency Limit Order Book Data. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 774-785.	3.4	31
35	Self-supervised autoencoders for clustering and classification. Evolving Systems, 2020, 11, 453-466.	2.4	9
36	Neuromorphic Photonics With Coherent Linear Neurons Using Dual-IQ Modulation Cells. Journal of Lightwave Technology, 2020, 38, 811-819.	2.7	56

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37	Deep autoencoders for attribute preserving face de-identification. Signal Processing: Image Communication, 2020, 81, 115699.	1.8	13
38	Class-specific discriminant regularization in real-time deep CNN models for binary classification problems. Neural Processing Letters, 2020, 51, 1989-2005.	2.0	5
39	Variance-preserving deep metric learning for content-based image retrieval. Pattern Recognition Letters, 2020, 131, 8-14.	2.6	12
40	Deep Adaptive Input Normalization for Time Series Forecasting. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3760-3765.	7.2	60
41	Adaptive Initialization for Recurrent Photonic Networks using Sigmoidal Activations. , 2020, , .		3
42	Bag of Color Features for Color Constancy. IEEE Transactions on Image Processing, 2020, 29, 7722-7734.	6.0	23
43	Improving Deep Reinforcement Learning for Financial Trading Using Neural Network Distillation. , 2020, , .		2
44	Quadratic Mutual Information Regularization in Real-Time Deep CNN Models. , 2020, , .		1
45	Adaptive Normalization for Forecasting Limit Order Book Data Using Convolutional Neural Networks. , 2020, , .		2
46	Efficient adaptive inference for deep convolutional neural networks using hierarchical early exits. Pattern Recognition, 2020, 105, 107346.	5.1	20
47	Initializing photonic feed-forward neural networks using auxiliary tasks. Neural Networks, 2020, 129, 103-108.	3.3	9
48	Improving the performance of lightweight CNNs for binary classification using quadratic mutual information regularization. Pattern Recognition, 2020, 106, 107407.	5.1	23
49	Temporal logistic neural Bag-of-Features for financial time series forecasting leveraging limit order book data. Pattern Recognition Letters, 2020, 136, 183-189.	2.6	17
50	K-Anonymity inspired adversarial attack and multiple one-class classification defense. Neural Networks, 2020, 124, 296-307.	3.3	13
51	Recurrent bag-of-features for visual information analysis. Pattern Recognition, 2020, 106, 107380.	5.1	6
52	Using Deep Learning for price prediction by exploiting stationary limit order book features. Applied Soft Computing Journal, 2020, 93, 106401.	4.1	41
53	Dense convolutional feature histograms for robust visual object tracking. Image and Vision Computing, 2020, 99, 103933.	2.7	15
54	All-Optical WDM Recurrent Neural Networks With Gating. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7.	1.9	18

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55	Deep Hashing Regularization Towards Hamming Space Retrieval. , 2020, , .		1
56	Leveraging Active Perception for Improving Embedding-based Deep Face Recognition. , 2020, , .		9
57	Exploiting multiplex data relationships in Support Vector Machines. Pattern Recognition, 2019, 85, 70-77.	5.1	11
58	Deep Learning Analytics. Intelligent Systems Reference Library, 2019, , 339-370.	1.0	0
59	Discriminative clustering using regularized subspace learning. Pattern Recognition, 2019, 96, 106982.	5.1	6
60	Computational UAV Cinematography for Intelligent Shooting Based on Semantic Visual Analysis. , 2019, , .		10
61	Variance Preserving Initialization for Training Deep Neuromorphic Photonic Networks with Sinusoidal Activations. , 2019, , .		10
62	Deep reinforcement learning for controlling frontal person close-up shooting. Neurocomputing, 2019, 335, 37-47.	3.5	19
63	Machine Learning for Forecasting Mid-Price Movements Using Limit Order Book Data. IEEE Access, 2019, 7, 64722-64736.	2.6	36
64	Deep Convolutional Feature Histograms for Visual Object Tracking. , 2019, , .		2
65	Incremental Label Propagation on Facial Images. , 2019, , .		0
66	Embedded UAV Real-Time Visual Object Detection and Tracking. , 2019, , .		26
67	Improving the Performance of Lightweight CNN models using Minimum Enclosing Ball Regularization. , 2019, , .		1
68	Class-Based Variational Representation Learning For Robust Image Retrieval. , 2019, , .		0
69	Discriminant Analysis Regularization in Lightweight Deep CNN Models. , 2019, , .		1
70	Adaptive Inference Using Hierarchical Convolutional Bag-of-Features for Low-Power Embedded Platforms. , 2019, , .		6
71	Long-term temporal averaging for stochastic optimization of deep neural networks. Neural Computing and Applications, 2019, 31, 1733-1745.	3.2	2
72	Training Lightweight Deep Convolutional Neural Networks Using Bag-of-Features Pooling. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1705-1715.	7.2	45

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73	Greedy Salient Dictionary Learning for Activity Video Summarization. Lecture Notes in Computer Science, 2019, , 578-589.	1.0	2
74	Semantic Map Annotation Through UAV Video Analysis Using Deep Learning Models in ROS. Lecture Notes in Computer Science, 2019, , 328-340.	1.0	5
75	Learning bag-of-embedded-words representations for textual information retrieval. Pattern Recognition, 2018, 81, 254-267.	5.1	28
76	A salient dictionary learning framework for activity video summarization via key-frame extraction. Information Sciences, 2018, 432, 319-331.	4.0	41
77	Information Clustering Using Manifold-Based Optimization of the Bag-of-Features Representation. IEEE Transactions on Cybernetics, 2018, 48, 52-63.	6.2	10
78	Caricature generation utilizing the notion of anti-face. Multimedia Tools and Applications, 2018, 77, 8259-8271.	2.6	0
79	Positive and Negative Label Propagations. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 342-355.	5.6	21
80	Fast Deep Convolutional Face Detection in the Wild Exploiting Hard Sample Mining. Big Data Research, 2018, 11, 65-76.	2.6	51
81	Semi-supervised subclass support vector data description for image and video classification. Neurocomputing, 2018, 278, 51-61.	3.5	25
82	Deep convolutional learning for Content Based Image Retrieval. Neurocomputing, 2018, 275, 2467-2478.	3.5	150
83	Dimensionality Reduction Using Similarity-Induced Embeddings. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3429-3441.	7.2	17
84	Learning Discriminative Representations for Big Data Clustering Using Similarity-Based Dimensionality Reduction. , 2018, , .		0
85	Accelerating Similarity-Based Discriminant Analysis Using Class-Specific Prototypes. , 2018, , .		0
86	Learning Multi-Graph Regularization for SVM Classification. , 2018, , .		1
87	Label Propagation on Facial Images Using Similarity and Dissimilarity Labelling Constraints. , 2018, , .		0
88	Neural Network Knowledge Transfer using Unsupervised Similarity Matching. , 2018, , .		1
89	Regularized Svd-Based Video Frame Saliency for Unsupervised Activity Video Summarization. , 2018, , .		9
90	GREEDY SALIENT DICTIONARY LEARNING WITH OPTIMAL POINT RECONSTRUCTION FOR ACTIVITY VIDEO SUMMARIZATION. , 2018, , .		5

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91	Fully Unsupervised Optimization of CNN Features Towards Content Based Image Retrieval. , 2018, , .		4
92	Visual Question Answering using Explicit Visual Attention. , 2018, , .		4
93	Exploiting tf-idf in deep Convolutional Neural Networks for Content Based Image Retrieval. Multimedia Tools and Applications, 2018, 77, 30729-30748.	2.6	16
94	Efficient Camera Control using 2D Visual Information for Unmanned Aerial Vehicle-based Cinematography. , 2018, , .		13
95	Fast constrained person identity label propagation in stereo videos using a pruned similarity matrix. Signal Processing: Image Communication, 2018, 67, 199-209.	1.8	1
96	Big Data Clustering with Kernel k-Means: Resources, Time and Performance. International Journal on Artificial Intelligence Tools, 2018, 27, 1860006.	0.7	2
97	Deep Sparse Autoencoders for Football Match and Bet Prediction. , 2018, , .		1
98	Fully Unsupervised Convolutional Learning for Fast Image Retrieval. , 2018, , .		1
99	Learning Deep Representations with Probabilistic Knowledge Transfer. Lecture Notes in Computer Science, 2018, , 283-299.	1.0	170
100	Computational UAV Cinematography for Intelligent A/V Shooting Based on Semantic Visual Analysis. , 2018, , .		0
101	Deep learning algorithms for discriminant autoencoding. Neurocomputing, 2017, 266, 325-335.	3.5	20
102	Learning Neural Bag-of-Features for Large-Scale Image Retrieval. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2641-2652.	5.9	17
103	Improving Face Pose Estimation Using Long-Term Temporal Averaging for Stochastic Optimization. Communications in Computer and Information Science, 2017, , 194-204.	0.4	5
104	Forecasting Stock Prices from the Limit Order Book Using Convolutional Neural Networks. , 2017, , .		171
105	Discriminatively Trained Autoencoders for Fast and Accurate Face Recognition. Communications in Computer and Information Science, 2017, , 205-215.	0.4	8
106	Big Media Data Analysis. Signal Processing: Image Communication, 2017, 59, 105-108.	1.8	5
107	Summarization of human activity videos via low-rank approximation. , 2017, , .		9
108	Spatial Bag of Features Learning for Large Scale Face Image Retrieval. Advances in Intelligent Systems and Computing, 2017, , 8-17.	0.5	1

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109	A Fast Deep Convolutional Neural Network for Face Detection in Big Visual Data. Advances in Intelligent Systems and Computing, 2017, , 61-70.	0.5	16
110	One-Class Classification Based on Extreme Learning and Geometric Class Information. Neural Processing Letters, 2017, 45, 577-592.	2.0	26
111	Neural Bag-of-Features learning. Pattern Recognition, 2017, 64, 277-294.	5.1	45
112	Approximate kernel extreme learning machine for large scale data classification. Neurocomputing, 2017, 219, 210-220.	3.5	36
113	Human crowd detection for drone flight safety using convolutional neural networks. , 2017, , .		38
114	Concept detection and face pose estimation using lightweight convolutional neural networks for steering drone video shooting. , 2017, , .		13
115	Using deep learning to detect price change indications in financial markets. , 2017, , .		73
116	Learning Bag-of-Features Pooling for Deep Convolutional Neural Networks. , 2017, , .		50
117	Time-series classification using neural Bag-of-Features. , 2017, , .		30
118	Compact Video Description and Representation for Automated Summarization of Human Activities. Advances in Intelligent Systems and Computing, 2017, , 18-28.	0.5	2
119	A Bag of Words approach for recognition of Greek folk dances. , 2016, , .		3
120	Bag of Embedded Words learning for text retrieval. , 2016, , .		4
121	Face detection based on deep convolutional neural networks exploiting incremental facial part learning. , 2016, , .		24
122	Movie shot selection preserving narrative properties. , 2016, , .		5
123	Laplacian one class extreme learning machines for human action recognition. , 2016, , .		3
124	Multi-view semantic temporal video segmentation. , 2016, , .		6
125	A comparative study of representations for folk dances recognition in video. , 2016, , .		1
126	A review of approximate methods for kernel-based big media data analysis. , 2016, , .		4

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127	Relevance Feedback in Deep Convolutional Neural Networks for Content Based Image Retrieval. , 2016, , .		12
128	Efficient MapReduce Kernel k-Means for Big Data Clustering. , 2016, , .		7
129	Entropy Optimized Feature-Based Bag-of-Words Representation for Information Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1664-1677.	4.0	41
130	Enhanced similarities for a music Recommender System. , 2016, , .		0
131	Kernel subclass support vector description for face and human action recognition. , 2016, , .		1
132	One class classification applied in facial image analysis. , 2016, , .		9
133	Multimodal Stereoscopic Movie Summarization Conforming to Narrative Characteristics. IEEE Transactions on Image Processing, 2016, 25, 5828-5840.	6.0	25
134	Fast label propagation on facial images using a pruned similarity matrix. , 2016, , .		1
135	Exploiting local and global geometric data relationships in Support Vector Data Description. , 2016, , .		0
136	Spectral Clustering using Optimized Bag-of-Features. , 2016, , .		7
137	Graph Embedded One-Class Classifiers for media data classification. Pattern Recognition, 2016, 60, 585-595.	5.1	37
138	Graph Embedded Extreme Learning Machine. IEEE Transactions on Cybernetics, 2016, 46, 311-324.	6.2	86
139	Evolution of Graphs for Unsupervised Learning. Studies in Computational Intelligence, 2016, , 21-31.	0.7	0
140	Exploiting stereoscopic disparity for augmenting human activity recognition performance. Multimedia Tools and Applications, 2016, 75, 11641-11660.	2.6	9
141	Visual Voice Activity Detection in the Wild. IEEE Transactions on Multimedia, 2016, 18, 967-977.	5.2	24
142	Big Data Analysis for Media Production. Proceedings of the IEEE, 2016, 104, 2085-2113.	16.4	6
143	Exploiting supervised learning for finetuning deep CNNs in content based image retrieval. , 2016, , .		6
144	Single-Hidden Layer Feedforward Neual Network Training Using Class Geometric Information. Studies in Computational Intelligence, 2016, , 351-364.	0.7	0

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145	Spectral clustering and semi-supervised learning using evolving similarity graphs. Applied Soft Computing Journal, 2015, 34, 625-637.	4.1	16
146	A distributed framework for trimmed Kernel k-Means clustering. Pattern Recognition, 2015, 48, 2685-2698.	5.1	31
147	Subclass Marginal Fisher Analysis. , 2015, , .		3
148	Facial image analysis based on two-dimensional linear discriminant analysis exploiting symmetry. , 2015, , .		1
149	Nearest Class Vector Classification for Large-Scale Learning Problems. , 2015, , .		0
150	Merging linear discriminant analysis with Bag of Words model for human action recognition. , 2015, , .		3
151	Visual voice activity detection based on spatiotemporal information and bag of words. , 2015, , .		1
152	Class-specific nonlinear subspace learning based on optimized class representation. , 2015, , .		0
153	Enhancing class discrimination in Kernel Discriminant Analysis. , 2015, , .		0
154	Kernel matrix trimming for improved Kernel K-means clustering. , 2015, , .		4
155	Graph Embedding Exploiting Subclasses. , 2015, , .		2
156	Enhancing ELM-based Facial Image Classification by Exploiting Multiple Facial Views. Procedia Computer Science, 2015, 51, 2814-2821.	1.2	4
157	Large-scale nonlinear facial image classification based on approximate kernel Extreme Learning Machine. , 2015, , .		9
158	Distributed, MapReduce-Based Nearest Neighbor and E-Ball Kernel k-Means. , 2015, , .		3
159	Exploiting symmetry in two-dimensional clustering-based discriminant analysis for face recognition. , 2015, , .		0
160	Regularized Extreme Learning Machine for Large-scale Media Content Analysis. Procedia Computer Science, 2015, 53, 420-427.	1.2	61
161	Large-Scale Classification by an Approximate Least Squares One-Class Support Vector Machine Ensemble. , 2015, , .		11
162	Distance-based human action recognition using optimized class representations. Neurocomputing, 2015, 161, 47-55.	3.5	3

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163	Fast Kernel Matrix Computation for Big Data Clustering. Procedia Computer Science, 2015, 51, 2445-2452.	1.2	7
164	Facial image clustering in stereoscopic videos using double spectral analysis. Signal Processing: Image Communication, 2015, 33, 86-105.	1.8	4
165	DropELM: Fast neural network regularization with Dropout and DropConnect. Neurocomputing, 2015, 162, 57-66.	3.5	39
166	Exploiting subclass information in one-class support vector machine for video summarization. , 2015, , .		9
167	Human Action Recognition Based on Multi-View Regularized Extreme Learning Machine. International Journal on Artificial Intelligence Tools, 2015, 24, 1540020.	0.7	5
168	Sparse extreme learning machine classifier exploiting intrinsic graphs. Pattern Recognition Letters, 2015, 65, 192-196.	2.6	5
169	Class-Specific Reference Discriminant Analysis With Application in Human Behavior Analysis. IEEE Transactions on Human-Machine Systems, 2015, 45, 315-326.	2.5	36
170	Multimodal Speaker Diarization Utilizing Face Clustering Information. Lecture Notes in Computer Science, 2015, , 547-554.	1.0	1
171	IMPART: Big media data processing and analysis for film production. , 2015, , .		2
172	Multi-modal label propagation based on a higher order similarity matrix. , 2015, , .		1
173	On the kernel Extreme Learning Machine classifier. Pattern Recognition Letters, 2015, 54, 11-17.	2.6	139
174	Graph Embedded Nonparametric Mutual Information for Supervised Dimensionality Reduction. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 951-963.	7.2	27
175	Facial image clustering in stereo videos using local binary patterns and double spectral analysis. , 2014, , .		2
176	Large graph clustering using DCT-based graph clustering. , 2014, , .		1
177	Random Walk Kernel Applications to Classification Using Support Vector Machines. , 2014, , .		0
178	Projected Gradients for Subclass Discriminant Nonnegative Subspace Learning. IEEE Transactions on Cybernetics, 2014, 44, 2806-2819.	6.2	16
179	Stereoscopic video shot clustering into semantic concepts based on visual and disparity information. , 2014, , .		2
180	Stereoscopic video shot classification based on Weighted Linear Discriminant Analysis. , 2014, , .		3

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181	Stereoscopic video description for human action recognition. , 2014, , .		5
182	Shot type characterization in 2D and 3D video content. , 2014, , .		7
183	Stereo facial image clustering using double spectral analysis. , 2014, , .		0
184	Video characterization based on activity clustering. , 2014, , .		6
185	Video summarization based on Subclass Support Vector Data Description. , 2014, , .		8
186	Symmetric Subspace Learning for Image Analysis. IEEE Transactions on Image Processing, 2014, 23, 5683-5697.	6.0	10
187	De-identifying facial images using singular value decomposition. , 2014, , .		1
188	Minimum Variance Extreme Learning Machine for human action recognition. , 2014, , .		21
189	Person de-identification in activity videos. , 2014, , .		9
190	Human action recognition based on bag of features and multi-view neural networks. , 2014, , .		6
191	Laplacian Support Vector Analysis for Subspace Discriminative Learning. , 2014, , .		0
192	Semi-supervised Classification of Human Actions Based on Neural Networks. , 2014, , .		13
193	Stereo object tracking with fusion of texture, color and disparity information. Signal Processing: Image Communication, 2014, 29, 573-589.	1.8	15
194	Maximum Margin Projection Subspace Learning for Visual Data Analysis. IEEE Transactions on Image Processing, 2014, 23, 4413-4425.	6.0	25
195	Kernel Reference Discriminant Analysis. Pattern Recognition Letters, 2014, 49, 85-91.	2.6	26
196	Person Identity Label Propagation in Stereo Videos. IEEE Transactions on Multimedia, 2014, 16, 1358-1368.	5.2	25
197	Discriminant Bag of Words based representation for human action recognition. Pattern Recognition Letters, 2014, 49, 185-192.	2.6	68
198	Regularized extreme learning machine for multi-view semi-supervised action recognition. Neurocomputing, 2014, 145, 250-262.	3.5	102

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199	Multi-view Regularized Extreme Learning Machine for Human Action Recognition. Lecture Notes in Computer Science, 2014, , 84-94.	1.0	4
200	Subspace Learning with Enriched Databases Using Symmetry. Advances in Intelligent Systems and Computing, 2014, , 113-122.	0.5	4
201	Activity Recognition for Traditional Dances Using Dimensionality Reduction. Lecture Notes in Computer Science, 2014, , 115-125.	1.0	0
202	Computational Intelligence Approaches for Digital Media Analysis and Description. Advances in Intelligent Systems and Computing, 2014, , 263-272.	0.5	0
203	Exploiting Local Class Information in Extreme Learning Machine. , 2014, , .		2
204	Minimum Class Variance Extreme Learning Machine for Human Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1968-1979.	5.6	91
205	Multi-view action recognition based on action volumes, fuzzy distances and cluster discriminant analysis. Signal Processing, 2013, 93, 1445-1457.	2.1	57
206	Active classification for human action recognition. , 2013, , .		5
207	Using robust dispersion estimation in support vector machines. Pattern Recognition, 2013, 46, 3441-3451.	5.1	7
208	Person identification from actions based on Artificial Neural Networks. , 2013, , .		6
209	View-independent human action recognition based on multi-view action images and discriminant learning. , 2013, , .		3
210	Person identification from actions based on dynemes and discriminant learning. , 2013, , .		5
211	On the Optimal Class Representation in Linear Discriminant Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1491-1497.	7.2	47
212	Learning sparse representations for view-independent human action recognition based on fuzzy distances. Neurocomputing, 2013, 121, 344-353.	3.5	8
213	Dynamic action recognition based on dynemes and Extreme Learning Machine. Pattern Recognition Letters, 2013, 34, 1890-1898.	2.6	47
214	Visual Object Tracking Based on Local Steering Kernels and Color Histograms. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 870-882.	5.6	56
215	Multidimensional Sequence Classification Based on Fuzzy Distances and Discriminant Analysis. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2564-2575.	4.0	29
216	Multiplicative Update Rules for Concurrent Nonnegative Matrix Factorization and Maximum Margin Classification. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 422-434.	7.2	23

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217	Folk dance recognition using a bag of words approach and ISA/STIP features. , 2013, , .		4
218	Exploiting the SVM constraints in NMF with application in eating and drinking activity recognition. , 2013, , .		1
219	Multi-view Human Action Recognition: A Survey. , 2013, , .		24
220	Representative Class Vector Clustering-Based Discriminant Analysis. , 2013, , .		2
221	Feature Comparison and Feature Fusion for Traditional Dances Recognition. Communications in Computer and Information Science, 2013, , 172-181.	0.4	9
222	Direct Multi-label Linear Discriminant Analysis. Communications in Computer and Information Science, 2013, , 414-423.	0.4	7
223	Neural Networks for Digital Media Analysis and Description. Communications in Computer and Information Science, 2013, , 1-11.	0.4	0
224	Discriminant action representation for view-invariant person identification. , 2012, , .		0
225	Visual object tracking based on the object's salient features with application in automatic nutrition assistance. , 2012, , .		4
226	Subclass discriminant Nonnegative Matrix Factorization for facial image analysis. Pattern Recognition, 2012, 45, 4080-4091.	5.1	38
227	Progressive neural network training for the Open Racing Car Simulator. , 2012, , .		3
228	Facial expression recognition with robust covariance estimation and Support Vector Machines. , 2012, , .		1
229	Neural representation and learning for multi-view human action recognition. , 2012, , .		17
230	Exploiting graph embedding in support vector machines. , 2012, , .		14
231	Eating and drinking activity recognition based on discriminant analysis of fuzzy distances and activity volumes. , 2012, , .		15
232	Multi-view human movement recognition based on fuzzy distances and linear discriminant analysis. Computer Vision and Image Understanding, 2012, 116, 347-360.	3.0	68
233	Shape matching using a binary search tree structure of weak classifiers. Pattern Recognition, 2012, 45, 2363-2376.	5.1	8
234	Activity-Based Person Identification Using Fuzzy Representation and Discriminant Learning. IEEE Transactions on Information Forensics and Security, 2012, 7, 530-542.	4.5	56

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235	View-Invariant Action Recognition Based on Artificial Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 412-424.	7.2	117
236	Discriminant Subspace Learning Based on Support Vectors Machines. Lecture Notes in Computer Science, 2012, , 198-212.	1.0	1
237	Exploiting Quadratic Mutual Information for Discriminant Analysis. Lecture Notes in Computer Science, 2012, , 90-97.	1.0	0
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