Hau-San Wong

List of Publications by Year in Descending Order

147 papers	2,531 citations	30 h-index	43 g-index
192 ext. papers	3,192 ext. citations	5.4 avg, IF	5.34 L-index

#	Paper	IF	Citations
147	GAN-based clustering solution generation and fusion of diffusion. *Systems Science and Control Engineering*, **2022**, 10, 24-42	2	0
146	Learning scene-adaptive pseudo annotations for pedestrian detection in semi-supervised scenarios. *Knowledge-Based Systems*, **2022**, 243, 108439	7.3	1
145	Attention regularized semi-supervised learning with class-ambiguous data for image classification. *Pattern Recognition*, **2022**, 129, 108727	7.7	
144	Unsupervised discriminative feature learning via finding a clustering-friendly embedding space. *Pattern Recognition*, **2022**, 129, 108768	7.7	5
143	Fast and Effective Active Clustering Ensemble Based on Density Peak. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 3593-3607	10.3	3
142	An Inception Convolutional Autoencoder Model for Chinese Healthcare Question Clustering. *IEEE Transactions on Cybernetics*, **2021**, 51, 2019-2031	10.2	5
141	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	2
140	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	1
139	. *IEEE Transactions on Multimedia*, **2021**, 1-1	6.6	
138	Progressive Hybrid Classifier Ensemble for Imbalanced Data. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-15	7.3	2
137	DDAT: Dual domain adaptive translation for low-resolution face verification in the wild. *Pattern Recognition*, **2021**, 120, 108107	7.7	1
136	Knowledge Exchange Between Domain-Adversarial and Private Networks Improves Open Set Image Classification. *IEEE Transactions on Image Processing*, **2021**, 30, 5807-5818	8.7	1
135	Simplified unsupervised image translation for semantic segmentation adaptation. *Pattern Recognition*, **2020**, 105, 107343	7.7	16
134	Adaptive Regularized Semi-Supervised Clustering Ensemble. *IEEE Access*, **2020**, 8, 17926-17934	3.5	0
133	Generating Target Image-Label Pairs for Unsupervised Domain Adaptation. *IEEE Transactions on Image Processing*, **2020**, 29, 7997-8011	8.7	5
132	Asymmetric Graph-Guided Multitask Survival Analysis With Self-Paced Learning. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, PP,	10.3	1
131	Regularizing Discriminative Capability of CGANs for Semi-Supervised Generative Learning **2020**,		6

130	Model Adaptation: Unsupervised Domain Adaptation Without Source Data **2020**,		37
129	Transfer Clustering Ensemble Selection. *IEEE Transactions on Cybernetics*, **2020**, 50, 2872-2885	10.2	10
128	Multitask Feature Selection by Graph-Clustered Feature Sharing. *IEEE Transactions on Cybernetics*, **2020**, 50, 74-86	10.2	9
127	Hybrid Classifier Ensemble for Imbalanced Data. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 1387-1400	10.3	21
126	Exploiting Global Low-Rank Structure and Local Sparsity Nature for Tensor Completion. *IEEE Transactions on Cybernetics*, **2019**, 49, 3898-3910	10.2	8
125	Cooperative traffic signal control using Multi-step return and Off-policy Asynchronous Advantage Actor-Critic Graph algorithm. *Knowledge-Based Systems*, **2019**, 183, 104855	7.3	19
124	Exploring Correlations Among Tasks, Clusters, and Features for Multitask Clustering. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 355-368	10.3	13
123	Semi-Supervised Human Detection via Region Proposal Networks Aided by Verification. *IEEE Transactions on Image Processing*, **2019**,	8.7	7
122	Semi-Supervised Pedestrian Instance Synthesis and Detection With Mutual Reinforcement **2019**,		4
121	Mutual Learning of Complementary Networks via Residual Correction for Improving Semi-Supervised Classification **2019**,		13
120	Adaptive Semi-Supervised Classifier Ensemble for High Dimensional Data Classification. *IEEE Transactions on Cybernetics*, **2019**, 49, 366-379	10.2	31
119	Hybrid Incremental Ensemble Learning for Noisy Real-World Data Classification. *IEEE Transactions on Cybernetics*, **2019**, 49, 403-416	10.2	20
118	Structured Penalized Logistic Regression for Gene Selection in Gene Expression Data Analysis. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2019**, 16, 312-321	3	9
117	Multiobjective Semisupervised Classifier Ensemble. *IEEE Transactions on Cybernetics*, **2019**, 49, 2280-2293	10.2	14
116	Semi-Supervised Deep Coupled Ensemble Learning with Classification Landmark Exploration. *IEEE Transactions on Image Processing*, **2019**,	8.7	9
115	. *IEEE Transactions on Multimedia*, **2018**, 20, 851-865	6.6	26
114	Exploiting Target Data to Learn Deep Convolutional Networks for Scene-Adapted Human Detection. *IEEE Transactions on Image Processing*, **2018**, 27, 1418-1432	8.7	17
113	Semi-Supervised Ensemble Clustering Based on Selected Constraint Projection. *IEEE Transactions on Knowledge and Data Engineering*, **2018**, 30, 2394-2407	4.2	26

112	Clustering by Local Gravitation. *IEEE Transactions on Cybernetics*, **2018**, 48, 1383-1396	10.2	33
111	Progressive Semisupervised Learning of Multiple Classifiers. *IEEE Transactions on Cybernetics*, **2018**, 48, 689-702	10.2	30
110	Variant SemiBoost for Improving Human Detection in Application Scenes. *IEEE Transactions on Circuits and Systems for Video Technology*, **2018**, 28, 1595-1608	6.4	10
109	Adaptive activation functions in convolutional neural networks. *Neurocomputing*, **2018**, 272, 204-212	5.4	67
108	Corpus-based topic diffusion for short text clustering. *Neurocomputing*, **2018**, 275, 2444-2458	5.4	23
107	Distribution-Based Cluster Structure Selection. *IEEE Transactions on Cybernetics*, **2017**, 47, 3554-3567	10.2	37
106	Adaptive Ensembling of Semi-Supervised Clustering Solutions. *IEEE Transactions on Knowledge and Data Engineering*, **2017**, 29, 1577-1590	4.2	30
105	Generalized Pair-Counting Similarity Measures for Clustering and Cluster Ensembles. *IEEE Access*, **2017**, 5, 16904-16918	3.5	19
104	A New Kind of Nonparametric Test for Statistical Comparison of Multiple Classifiers Over Multiple Datasets. *IEEE Transactions on Cybernetics*, **2017**, 47, 4418-4431	10.2	31
103	Locality-Sensitive Term Weighting for Short Text Clustering. *Lecture Notes in Computer Science*, **2017**, 434-444	0.9	2
102	Learning with Partially Shared Features for Multi-Task Learning. *Lecture Notes in Computer Science*, **2017**, 95-104	0.9	
101	A Comparison Study for DNA Motif Modeling on Protein Binding Microarray. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2016**, 13, 261-71	3	9
100	Progressive subspace ensemble learning. *Pattern Recognition*, **2016**, 60, 692-705	7.7	30
99	Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2016**, 28, 701-714	4.2	114
98	A weighted local view method based on observation over ground truth for community detection. *Information Sciences*, **2016**, 355-356, 37-57	7.7	12
97	Incremental semi-supervised clustering ensemble for high dimensional data clustering **2016**,		2
96	Robust Epileptic Seizure Classification. *Lecture Notes in Computer Science*, **2016**, 363-373	0.9	1
95	An adaptive approach for texture enhancement based on a fractional differential operator with non-integer step and order. *Neurocomputing*, **2015**, 158, 295-306	5.4	16

94	Proteomic Analysis of Human Pluripotent Stem Cell-Derived, Fetal, and Adult Ventricular Cardiomyocytes Reveals Pathways Crucial for Cardiac Metabolism and Maturation. *Circulation: Cardiovascular Genetics*, **2015**, 8, 427-36		29
93	Adaptive Fuzzy Consensus Clustering Framework for Clustering Analysis of Cancer Data. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2015**, 12, 887-901	3	39
92	Consensus comparative analysis of human embryonic stem cell-derived cardiomyocytes. *PLoS ONE*, **2015**, 10, e0125442	3.7	
91	Gene set enrichment ensemble using fold change data only. *Journal of Biomedical Informatics*, **2015**, 57, 189-203	10.2	0
90	Iterative Term Weighting for Short Text Data **2015**,		2
89	Introduction to the Peptide Binding Problem of Computational Immunology: New Results. *Foundations of Computational Mathematics*, **2014**, 14, 951-984	2.7	13
88	Probabilistic cluster structure ensemble. *Information Sciences*, **2014**, 267, 16-34	7.7	22
87	Double Selection Based Semi-Supervised Clustering Ensemble for Tumor Clustering from Gene Expression Profiles. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2014**, 11, 727-40	3	45
86	A Bayesian Model for Crowd Escape Behavior Detection. *IEEE Transactions on Circuits and Systems for Video Technology*, **2014**, 24, 85-98	6.4	64
85	Characterisation of semantic similarity on gene ontology based on a shortest path approach. *International Journal of Data Mining and Bioinformatics*, **2014**, 10, 33-48	0.5	4
84	AORS: Affinity-based outlier ranking score **2014**,		2
83	MHC binding prediction with KernelRLSpan and its variations. *Journal of Immunological Methods*, **2014**, 406, 10-20	2.5	8
82	Hybrid clustering solution selection strategy. *Pattern Recognition*, **2014**, 47, 3362-3375	7.7	40
81	Characterization of carbon nanotube protein corona by using quantitative proteomics. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2013**, 9, 583-93	6	79
80	An effective and effecient peptide binding prediction approach for a broad set of HLA-DR molecules based on ordered weighted averaging of binding pocket profiles. *Proteome Science*, **2013**, 11, S15	2.6	8
79	RNA structural motif recognition based on least-squares distance. *Rna*, **2013**, 19, 1183-91	5.8	2
78	Transcriptome-guided functional analyses reveal novel biological properties and regulatory hierarchy of human embryonic stem cell-derived ventricular cardiomyocytes crucial for maturation. *PLoS ONE*, **2013**, 8, e77784	3.7	30
77	A fuzzy minimax clustering model and its applications. *Information Sciences*, **2012**, 186, 114-125	7.7	20

76	From cluster ensemble to structure ensemble. *Information Sciences*, **2012**, 198, 81-99	7.7	26
75	Visual query processing for efficient image retrieval using a SOM-based filter-refinement scheme. *Information Sciences*, **2012**, 203, 83-101	7.7	15
74	Hybrid cluster ensemble framework based on the random combination of data transformation operators. *Pattern Recognition*, **2012**, 45, 1826-1837	7.7	35
73	Generalized Adjusted Rand Indices for cluster ensembles. *Pattern Recognition*, **2012**, 45, 2214-2226	7.7	44
72	Joint segmentation of collectively moving objects using a bag-of-words model and level set evolution. *Pattern Recognition*, **2012**, 45, 3389-3401	7.7	8
71	SC(3): Triple spectral clustering-based consensus clustering framework for class discovery from cancer gene expression profiles. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2012**, 9, 1751-65	3	40
70	Representative distance: a new similarity measure for class discovery from gene expression data. *IEEE Transactions on Nanobioscience*, **2012**, 11, 341-51	3.4	13
69	Crowd motion partitioning in a scattered motion field. *IEEE Transactions on Systems, Man, and Cybernetics*, **2012**, 42, 1443-54		28
68	A new unsupervised feature ranking method for gene expression data based on consensus affinity. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2012**, 9, 1257-63	3	18
67	TEPITOPEpan: extending TEPITOPE for peptide binding prediction covering over 700 HLA-DR molecules. *PLoS ONE*, **2012**, 7, e30483	3.7	74
66	Neighborhood Knowledge-Based Evolutionary Algorithm for Multiobjective Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2011**, 15, 812-831	15.6	16
65	A modified support vector machine and its application to image segmentation. *Image and Vision Computing*, **2011**, 29, 29-40	3.7	30
64	Feature-based 3D motif filtering for ribosomal RNA. *Bioinformatics*, **2011**, 27, 2828-35	7.2	2
63	A new method for measuring the semantic similarity on gene ontology **2010**,		10
62	Identifying protein-kinase-specific phosphorylation sites based on the Bagging-AdaBoost ensemble approach. *IEEE Transactions on Nanobioscience*, **2010**, 9, 132-43	3.4	20
61	Hybrid associative retrieval of three-dimensional models. *IEEE Transactions on Systems, Man, and Cybernetics*, **2010**, 40, 1582-95		3
60	ARImp: A Generalized Adjusted Rand Index for Cluster Ensembles **2010**,		16
59	Quantization-based clustering algorithm. *Pattern Recognition*, **2010**, 43, 2698-2711	7.7	9

58	ASM: An adaptive simplification method for 3D point-based models. *CAD Computer Aided Design*, **2010**, 42, 598-612	2.9	17
57	A Shape Derivative Based Approach for Crowd Flow Segmentation. *Lecture Notes in Computer Science*, **2010**, 93-102	0.9	2
56	A neural network-based biomarker association information extraction approach for cancer classification. *Journal of Biomedical Informatics*, **2009**, 42, 654-66	10.2	35
55	Logic optimality for multi-objective optimization. *Applied Mathematics and Computation*, **2009**, 215, 3045-3056	2.7	9
54	A hybrid intelligent algorithm for portfolio selection problem with fuzzy returns. *Journal of Computational and Applied Mathematics*, **2009**, 233, 264-278	2.4	57
53	Class discovery from gene expression data based on perturbation and cluster ensemble. *IEEE Transactions on Nanobioscience*, **2009**, 8, 147-60	3.4	31
52	Fuzzy multi-objective portfolio selection model with transaction costs **2009**,		8
51	Active constrained clustering with multiple cluster representatives **2009**,		2
50	Crowd Flow Segmentation Using a Novel Region Growing Scheme. *Lecture Notes in Computer Science*, **2009**, 898-907	0.9	6
49	Constructing the gene regulation-level representation of microarray data for cancer classification. *Journal of Biomedical Informatics*, **2008**, 41, 95-105	10.2	13
48	Nearest neighbor evolutionary algorithm for constrained optimization problem **2008**,		1
47	**2008**,		1
46	A Robust Moving Object Detection Approach **2008**,		1
45	3D motion sequence retrieval based on data distribution **2008**,		2
44	Image classification based on the bagging-adaboost ensemble **2008**,		1
43	Partial closure-based constrained clustering with order ranking **2008**,		3
42	3D head model retrieval in kernel feature space using HSOM. *Pattern Recognition*, **2008**, 41, 468-483	7.7	12
41	. *IEEE Transactions on Multimedia*, **2007**, 9, 1026-1036	6.6	20

40	Extracting gene regulation information for cancer classification. *Pattern Recognition*, **2007**, 40, 3379-3392.	7.7	32
39	Face and palmprint feature level fusion for single sample biometrics recognition. *Neurocomputing*, **2007**, 70, 1582-1586	5.4	96
38	Hierarchical multi-classifier system design based on evolutionary computation technique. *Multimedia Tools and Applications*, **2007**, 33, 91-108	2.5	1
37	Kernel clustering-based discriminant analysis. *Pattern Recognition*, **2007**, 40, 324-327	7.7	30
36	Prediction of Protein-Protein Interacting Sites by Combining SVM Algorithm with Bayesian Method **2007**,		1
35	Graph-based consensus clustering for class discovery from gene expression data. *Bioinformatics*, **2007**, 23, 2888-96	7.2	121
34	Prediction of protein B-factors using multi-class bounded SVM. *Protein and Peptide Letters*, **2007**, 14, 185-90	1.9	18
33	3D model representation using adaptive volumetric extended Gaussian image **2007**,		2
32	. *IEEE Transactions on Multimedia*, **2007**, 9, 766-784	6.6	33
31	Labeling of Human Motion by Constraint-Based Genetic Algorithm. *Lecture Notes in Computer Science*, **2007**, 105-114	0.9	0
30	Image Segmentation Based on Cluster Ensemble. *Lecture Notes in Computer Science*, **2007**, 894-903	0.9	3
29	A Filter-Refinement Scheme for 3D Model Retrieval Based on Sorted Extended Gaussian Image Histogram. *Lecture Notes in Computer Science*, **2007**, 643-652	0.9	1
28	3D Model Retrieval Based on Multi-Shell Extended Gaussian Image **2007**, 426-437		4
27	Face recognition based on discriminant fractional Fourier feature extraction. *Pattern Recognition Letters*, **2006**, 27, 1465-1471	4.7	27
26	3D model metrieval based on volumetric extended gaussian image and hierarchical self organizing map **2006**,		4
25	Inferring protein-protein interacting sites using residue conservation and evolutionary information. *Protein and Peptide Letters*, **2006**, 13, 999-1005	1.9	30
24	FEMA: A Fast Expectation Maximization Algorithm based on Grid and PCA **2006**,		4
23	An efficient local clustering approach for simplification of 3D point-based computer graphics models **2006**,		2

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22	Fast Gaussian Mixture Clustering for Skin Detection **2006**,		4
21	Genetic-based K-means algorithm for selection of feature variables **2006**,		2
20	Face recognition based on 2D Fisherface approach. *Pattern Recognition*, **2006**, 39, 707-710	7.7	65
19	2D clustering based discriminant analysis for 3D head model classification. *Pattern Recognition*, **2006**, 39, 491-494	7.7	3
18	A new partitioning neural network model for recursively finding arbitrary roots of higher order arbitrary polynomials. *Applied Mathematics and Computation*, **2005**, 162, 1183-1200	2.7	17
17	An uncorrelated fisherface approach. *Neurocomputing*, **2005**, 67, 328-334	5.4	3
16	Application of evolutionary strategies for 3D graphical model categorization and retrieval. *Multimedia Systems*, **2005**, 10, 422-431	2.2	
15	Transformation of Compressed Domain Features for Content-Based Image Indexing and Retrieval. *Multimedia Tools and Applications*, **2005**, 26, 5-26	2.5	2
14	Indexing and retrieval of 3D models by unsupervised clustering with hierarchical SOM **2004**,		1
13	3D head model classification by evolutionary optimization of the Extended Gaussian Image representation. *Pattern Recognition*, **2004**, 37, 2307-2322	7.7	21
12	An evolutionary optimization approach for 3D human head model classification **2003**,		1
11	Polyhedral Object Localization in an Image by Referencing to a Single Model View. *International Journal of Computer Vision*, **2003**, 51, 139-163	10.6	3
10	Dilation method for finding close roots of polynomials based on constrained learning neural networks. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2003**, 309, 443-451	2.3	46
9	Three-dimensional shape recovery across two views using approximate geometric constraints. *Optical Engineering*, **2003**, 42, 632	1.1	2
8	. *IEEE Transactions on Multimedia*, **2001**, 3, 186-199	6.6	37
7	A neural learning approach for adaptive image restoration using a fuzzy model-based network architecture. *IEEE Transactions on Neural Networks*, **2001**, 12, 516-31		33
6	A model-based neural network for edge characterization. *Pattern Recognition*, **2000**, 33, 427-444	7.7	8
5	Application of evolutionary programming to adaptive regularization in image restoration. *IEEE Transactions on Evolutionary Computation*, **2000**, 4, 309-326	15.6	7

4   Adaptive regularization in image restoration using a model-based neural network. *Optical Engineering*, **1997**, 36, 3297   1.1   9

3   Compressed domain feature transformation using evolutionary strategies for image classification   1

2   2

1   Improving Domain-Specific Classification by Collaborative Learning with Adaptation Networks. *Proceedings of the AAAI Conference on Artificial Intelligence*,33, 5450-5457   5   7