

# Ivor W Tsang

## List of Publications by Year in descending order

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86

papers

9,014

citations

109321

35

h-index

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g-index

86

all docs

86

docs citations

86

times ranked

6691

citing authors

#	ARTICLE	IF	CITATIONS
1	Online Multi-Agent Forecasting With Interpretable Collaborative Graph Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-15.	11.3	24
2	Learning on Attribute-Missing Graphs. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 740-757.	13.9	26
3	Towards Faster Vehicle Routing by Transferring Knowledge From Customer Representation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 952-965.	8.0	14
4	Shattering Distribution for Active Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 215-228.	11.3	3
5	Learning With Label Proportions by Incorporating Unmarked Data. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5898-5912.	11.3	0
6	Cold-Start Active Sampling Via $\hat{\mathbf{P}}^3$ -Tube. IEEE Transactions on Cybernetics, 2022, 52, 6034-6045.	9.5	0
7	Measuring Diversity in Graph Learning: A Unified Framework for Structured Multi-View Clustering. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 5869-5883.	5.7	51
8	Deep Co-Image-Label Hashing for Multi-Label Image Retrieval. IEEE Transactions on Multimedia, 2022, 24, 1116-1126.	7.2	25
9	Privacy-Preserving Stochastic Gradual Learning. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3129-3140.	5.7	3
10	Complementary Attributes: A New Clue to Zero-Shot Learning. IEEE Transactions on Cybernetics, 2021, 51, 1519-1530.	9.5	8
11	Face Hallucination With Finishing Touches. IEEE Transactions on Image Processing, 2021, 30, 1728-1743.	9.8	20
12	Online Mental Fatigue Monitoring via Indirect Brain Dynamics Evaluation. Neural Computation, 2021, 33, 1616-1655.	2.2	3
13	Large Margin Partial Label Machine. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2594-2608.	11.3	24
14	Familial Clustering for Weakly-Labeled Android Malware Using Hybrid Representation Learning. IEEE Transactions on Information Forensics and Security, 2020, 15, 3401-3414.	6.9	43
15	Improving Generalization via Attribute Selection on Out-of-the-Box Data. Neural Computation, 2020, 32, 485-514.	2.2	3
16	Multiview Alignment and Generation in CCA via Consistent Latent Encoding. Neural Computation, 2020, 32, 1936-1979.	2.2	2
17	Domain-adversarial Network Alignment. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	12
18	Stochastic Multichannel Ranking with Brain Dynamics Preferences. Neural Computation, 2020, 32, 1499-1530.	2.2	3

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19	Secure Metric Learning via Differential Pairwise Privacy. IEEE Transactions on Information Forensics and Security, 2020, 15, 3640-3652.	6.9	3
20	Unseen Land Cover Classification from High-Resolution Orthophotos Using Integration of Zero-Shot Learning and Convolutional Neural Networks. Remote Sensing, 2020, 12, 1676.	4.0	51
21	Understanding VAEs in Fisher-Shannon Plane. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5917-5924.	4.9	7
22	Survey on Multi-Output Learning. IEEE Transactions on Neural Networks and Learning Systems, 2019, 31, 1-21.	11.3	107
23	Beyond Majority Voting: A Coarse-to-Fine Label Filtration for Heavily Noisy Labels. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3774-3787.	11.3	8
24	Domain Adaption via Feature Selection on Explicit Feature Map. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1180-1190.	11.3	30
25	Hyperspectral Imagery Classification via Stochastic HHSVMs. IEEE Transactions on Image Processing, 2019, 28, 577-588.	9.8	15
26	Late Fusion via Subspace Search With Consistency Preservation. IEEE Transactions on Image Processing, 2019, 28, 518-528.	9.8	31
27	Millionaire: a hint-guided approach for crowdsourcing. Machine Learning, 2019, 108, 831-858.	5.4	1
28	Deep Learning From Noisy Image Labels With Quality Embedding. IEEE Transactions on Image Processing, 2019, 28, 1909-1922.	9.8	58
29	Error Correcting Input and Output Hashing. IEEE Transactions on Cybernetics, 2019, 49, 781-791.	9.5	20
30	Progressive Stochastic Learning for Noisy Labels. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5136-5148.	11.3	21
31	Robust Plackett-Luce model for k-ary crowdsourced preferences. Machine Learning, 2018, 107, 675-702.	5.4	6
32	Stagewise learning for noisy k-ary preferences. Machine Learning, 2018, 107, 1333-1361.	5.4	2
33	A unified probabilistic framework for robust manifold learning and embedding. Machine Learning, 2017, 106, 627-650.	5.4	14
34	Memes as building blocks: a case study on evolutionary optimization + transfer learning for routing problems. Memetic Computing, 2015, 7, 159-180.	4.0	87
35	Learning With Augmented Features for Supervised and Semi-Supervised Heterogeneous Domain Adaptation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1134-1148.	13.9	355
36	Spectral Embedded Hashing for Scalable Image Retrieval. IEEE Transactions on Cybernetics, 2014, 44, 1180-1190.	9.5	59

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37	A Feature Selection Method for Multivariate Performance Measures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2051-2063.	13.9	53
38	Efficient Optimization of Performance Measures by Classifier Adaptation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1370-1382.	13.9	31
39	Soft Margin Multiple Kernel Learning. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 749-761.	11.3	113
40	Minimax Sparse Logistic Regression for Very High-Dimensional Feature Selection. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1609-1622.	11.3	38
41	Combating Negative Transfer From Predictive Distribution Differences. IEEE Transactions on Cybernetics, 2013, 43, 1153-1165.	9.5	39
42	Laplacian Sparse Coding, Hypergraph Laplacian Sparse Coding, and Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 92-104.	13.9	316
43	Sparse Representation With Kernels. IEEE Transactions on Image Processing, 2013, 22, 423-434.	9.8	159
44	Objective-Guided Image Annotation. IEEE Transactions on Image Processing, 2013, 22, 1585-1597.	9.8	25
45	Discovering Low-Rank Shared Concept Space for Adapting Text Mining Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1284-1297.	13.9	25
46	Batch mode Adaptive Multiple Instance Learning for computer vision tasks. , 2012, , .		3
47	Pareto Rank Learning in Multi-objective Evolutionary Algorithms. , 2012, , .		13
48	Learning Target Predictive Function without Target Labels. , 2012, , .		3
49	An evolutionary search paradigm that learns with past experiences. , 2012, , .		27
50	Visual Event Recognition in Videos by Learning from Web Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1667-1680.	13.9	349
51	Co-labeling: A New Multi-view Learning Approach for Ambiguous Problems. , 2012, , .		13
52	Handling Ambiguity via Input-Output Kernel Learning. , 2012, , .		7
53	Laplacian Embedded Regression for Scalable Manifold Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 902-915.	11.3	49
54	Transductive Ordinal Regression. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1074-1086.	11.3	36

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55	Tag-Based Image Retrieval Improved by Augmented Features and Group-Based Refinement. IEEE Transactions on Multimedia, 2012, 14, 1057-1067.	7.2	46
56	Relevance vector machine based infinite decision agent ensemble learning for credit risk analysis. Expert Systems With Applications, 2012, 39, 4947-4953.	7.6	17
57	Domain Adaptation From Multiple Sources: A Domain-Dependent Regularization Approach. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 504-518.	11.3	249
58	Domain Transfer Multiple Kernel Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 465-479.	13.9	509
59	Domain Adaptation via Transfer Component Analysis. IEEE Transactions on Neural Networks, 2011, 22, 199-210.	4.2	3,145
60	Text-based image retrieval using progressive multi-instance learning. , 2011, , .		66
61	Improving Web Image Search by Bag-Based Reranking. IEEE Transactions on Image Processing, 2011, 20, 3280-3290.	9.8	45
62	Spectral Embedded Clustering: A Framework for In-Sample and Out-of-Sample Spectral Clustering. IEEE Transactions on Neural Networks, 2011, 22, 1796-1808.	4.2	246
63	Textual Query of Personal Photos Facilitated by Large-Scale Web Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1022-1036.	13.9	50
64	A Hybrid PSO-BFGS Strategy for Global Optimization of Multimodal Functions. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1003-1014.	5.0	76
65	Maximum Margin/Volume Outlier Detection. , 2011, , .		6
66	Incorporating the Loss Function Into Discriminative Clustering of Structured Outputs. IEEE Transactions on Neural Networks, 2010, 21, 1564-1575.	4.2	8
67	Tag-based web photo retrieval improved by batch mode re-tagging. , 2010, , .		60
68	Local features are not lonely &#x2013; Laplacian sparse coding for image classification. , 2010, , .		311
69	Kernel Sparse Representation for Image Classification and Face Recognition. Lecture Notes in Computer Science, 2010, , 1-14.	1.3	192
70	Flexible Manifold Embedding: A Framework for Semi-Supervised and Unsupervised Dimension Reduction. IEEE Transactions on Image Processing, 2010, 19, 1921-1932.	9.8	439
71	Visual event recognition in videos by learning from web data. , 2010, , .		89
72	Predictive Distribution Matching SVM for Multi-domain Learning. Lecture Notes in Computer Science, 2010, , 231-247.	1.3	9

#	ARTICLE	IF	CITATIONS
73	Domain Transfer SVM for video concept detection. , 2009, , .		60
74	Extracting discriminative concepts for domain adaptation in text mining. , 2009, , .		43
75	Maximum Penalized Likelihood Kernel Regression for Fast Adaptation. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 1372-1381.	3.2	10
76	Maximum Margin Clustering Made Practical. IEEE Transactions on Neural Networks, 2009, 20, 583-596.	4.2	94
77	A Convex Method for Locating Regions of Interest with Multi-instance Learning. Lecture Notes in Computer Science, 2009, , 15-30.	1.3	58
78	Large-Scale Maximum Margin Discriminant Analysis Using Core Vector Machines. IEEE Transactions on Neural Networks, 2008, 19, 610-624.	4.2	44
79	A Class of Single-Class Minimax Probability Machines for Novelty Detection. IEEE Transactions on Neural Networks, 2007, 18, 778-785.	4.2	27
80	SVDD-Based Pattern Denoising. Neural Computation, 2007, 19, 1919-1938.	2.2	39
81	Efficient Hyperkernel Learning Using Second-Order Cone Programming. IEEE Transactions on Neural Networks, 2006, 17, 48-58.	4.2	44
82	Generalized Core Vector Machines. IEEE Transactions on Neural Networks, 2006, 17, 1126-1140.	4.2	150
83	Diversified SVM Ensembles for Large Data Sets. Lecture Notes in Computer Science, 2006, , 792-800.	1.3	6
84	Fusing Images With Different Focuses Using Support Vector Machines. IEEE Transactions on Neural Networks, 2004, 15, 1555-1561.	4.2	125
85	The Pre-Image Problem in Kernel Methods. IEEE Transactions on Neural Networks, 2004, 15, 1517-1525.	4.2	311
86	Multiple partitions alignment via spectral rotation. Machine Learning, 0, , 1.	5.4	2