Steven C H Hoi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160 papers	5,218 citations	41 h-index	66 g-index
174 ext. papers	6,848 ext. citations	4.7 avg, IF	6.57 L-index

#	Paper	IF	Citations
160	Deep Learning for Image Super-Resolution: A Survey. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, 43, 3365-3387	13.3	258
159	AR-miner: mining informative reviews for developers from mobile app marketplace **2014**,		245
158	Deep Learning for Person Re-identification: A Survey and Outlook. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, PP,	13.3	209
157	Reliable Patch Trackers: Robust visual tracking by exploiting reliable patches **2015**,		192
156	Salient Object Detection With Pyramid Attention and Salient Edges **2019**,		174
155	Batch mode active learning and its application to medical image classification **2006**,		166
154	Semantics-preserving bag-of-words models and applications. *IEEE Transactions on Image Processing*, **2010**, 19, 1908-20	8.7	138
153	Online Feature Selection and Its Applications. *IEEE Transactions on Knowledge and Data Engineering* , **2014**, 26, 698-710	4.2	130
152	Robust Graph Learning From Noisy Data. *IEEE Transactions on Cybernetics*, **2020**, 50, 1833-1843	10.2	116
151	A boosting framework for visuality-preserving distance metric learning and its application to medical image retrieval. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2010**, 32, 30-44	13.3	113
150	Large-scale text categorization by batch mode active learning **2006**,		105
149	Semi-supervised distance metric learning for collaborative image retrieval and clustering. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2010**, 6, 1-26	3.4	94
148	A unified log-based relevance feedback scheme for image retrieval. *IEEE Transactions on Knowledge and Data Engineering*, **2006**, 18, 509-524	4.2	91
147	Online multimodal deep similarity learning with application to image retrieval **2013**,		85
146	Semisupervised SVM batch mode active learning with applications to image retrieval. *ACM Transactions on Information Systems*, **2009**, 27, 1-29	4.8	85
145	Semi-supervised distance metric learning for Collaborative Image Retrieval **2008**,		77
144	Semi-supervised SVM batch mode active learning for image retrieval **2008**,		76

143	**2019**,		75
142	PAMR: Passive aggressive mean reversion strategy for portfolio selection. *Machine Learning*, **2012**, 87, 221-258	4	71
141	Web Query Recommendation via Sequential Query Prediction. *Proceedings - International Conference on Data Engineering*, **2009**,	2	71
140	Near-duplicate keyframe retrieval by nonrigid image matching **2008**,		69
139	Online Transfer Learning. *Artificial Intelligence*, **2014**, 216, 76-102	3.6	67
138	Online portfolio selection. *ACM Computing Surveys*, **2014**, 46, 1-36	13.4	66
137	Online multiple kernel similarity learning for visual search. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 536-49	13.3	65
136	Online Multiple Kernel Classification. *Machine Learning*, **2013**, 90, 289-316	4	61
135	Cost-sensitive online active learning with application to malicious URL detection **2013**,		60
134	Learning nonparametric kernel matrices from pairwise constraints **2007**,		57
133	Online Deep Learning: Learning Deep Neural Networks on the Fly **2018**,		57
132	Distance metric learning from uncertain side information with application to automated photo tagging **2009**,		56
131	Semi-supervised deep embedded clustering. *Neurocomputing*, **2019**, 325, 121-130	5.4	55
130	. *IEEE Transactions on Knowledge and Data Engineering*, **2016**, 28, 454-467	4.2	52
129	Cost-Sensitive Online Classification. *IEEE Transactions on Knowledge and Data Engineering*, **2014**, 26, 2425-2438	4.2	50
128	Batch Mode Active Learning with Applications to Text Categorization and Image Retrieval. *IEEE Transactions on Knowledge and Data Engineering*, **2009**, 21, 1233-1248	4.2	50
127	Online feature selection for mining big data **2012**,		45
126	Learning Personalized Preference of Strong and Weak Ties for Social Recommendation **2017**,		44

125	Confidence Weighted Mean Reversion Strategy for Online Portfolio Selection. *ACM Transactions on Knowledge Discovery From Data*, **2013**, 7, 1-38	4	44
124	A two-view learning approach for image tag ranking **2011**,		44
123	MKBoost: A Framework of Multiple Kernel Boosting. *IEEE Transactions on Knowledge and Data Engineering*, **2013**, 25, 1574-1586	4.2	43
122	SimApp **2015**,		42
121	Graph Matching by Simplified Convex-Concave Relaxation Procedure. *International Journal of Computer Vision*, **2014**, 109, 169-186	10.6	42
120	Multiview Semi-Supervised Learning with Consensus. *IEEE Transactions on Knowledge and Data Engineering*, **2012**, 24, 2040-2051	4.2	42
119	Moving average reversion strategy for on-line portfolio selection. *Artificial Intelligence*, **2015**, 222, 104-123	3.6	41
118	Modeling social strength in social media community via kernel-based learning **2011**,		41
117	Retrieval-based face annotation by weak label regularized local coordinate coding. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2014**, 36, 550-63	13.3	39
116	Learning Bregman Distance Functions for Semi-Supervised Clustering. *IEEE Transactions on Knowledge and Data Engineering*, **2012**, 24, 478-491	4.2	39
115	Sparse Online Learning of Image Similarity. *ACM Transactions on Intelligent Systems and Technology*, **2017**, 8, 1-22	8	38
114	When recommendation meets mobile **2011**,		37
113	Collaborative image retrieval via regularized metric learning. *Multimedia Systems*, **2006**, 12, 34-44	2.2	34
112	CORN. *ACM Transactions on Intelligent Systems and Technology*, **2011**, 2, 1-29	8	32
111	Robust Median Reversion Strategy for Online Portfolio Selection. *IEEE Transactions on Knowledge and Data Engineering*, **2016**, 28, 2480-2493	4.2	31
110	Mining Weakly Labeled Web Facial Images for Search-Based Face Annotation. *IEEE Transactions on Knowledge and Data Engineering*, **2014**, 26, 166-179	4.2	30
109	. *IEEE Transactions on Multimedia*, **2008**, 10, 607-619	6.6	30
108	Online Multiple Kernel Learning: Algorithms and Mistake Bounds. *Lecture Notes in Computer Science*, **2010**, 390-404	0.9	30

107	. *IEEE Transactions on Multimedia*, **2008**, 10, 86-96	6.6	29
106	Online Passive-Aggressive Active learning. *Machine Learning*, **2016**, 103, 141-183	4	28
105	Time-dependent semantic similarity measure of queries using historical click-through data **2006**,		27
104	Two-view Transductive Support Vector Machines **2010**,		26
103	Collaborative topic regression for online recommender systems: an online and Bayesian approach. *Machine Learning*, **2017**, 106, 651-670	4	25
102	Learning the unified kernel machines for classification **2006**,		25
101	Online learning: A comprehensive survey. *Neurocomputing*, **2021**, 459, 249-289	5.4	25
100	Boosting multi-kernel locality-sensitive hashing for scalable image retrieval **2012**,		23
99	Paying Attention to Video Object Pattern Understanding. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, 43, 2413-2428	13.3	23
98	Online multiple kernel regression **2014**,		22
97	Robust regularized kernel regression. *IEEE Transactions on Systems, Man, and Cybernetics*, **2008**, 38, 1639-44		22
96	Online multi-task collaborative filtering for on-the-fly recommender systems **2013**,		21
95	. *IEEE MultiMedia*, **2011**, 18, 24-37	2.1	21
94	Adaptive Cost-Sensitive Online Classification. *IEEE Transactions on Knowledge and Data Engineering*, **2019**, 31, 214-228	4.2	20
93	. *IEEE Transactions on Knowledge and Data Engineering*, **2014**, 26, 1866-1876	4.2	20
92	Micro-blogging Sentiment Detection by Collaborative Online Learning **2010**,		20
91	. *IEEE Transactions on Multimedia*, **2017**, 19, 586-597	6.6	19
90	. *IEEE Transactions on Multimedia*, **2015**, 17, 1391-1397	6.6	18

89	Retrieval-based face annotation by weak label regularized local coordinate coding **2011**,		18
88	Mobile App Tagging **2016**,		17
87	Large-Scale Online Feature Selection for Ultra-High Dimensional Sparse Data. *ACM Transactions on Knowledge Discovery From Data*, **2017**, 11, 1-22	4	17
86	Predictive Handling of Asynchronous Concept Drifts in Distributed Environments. *IEEE Transactions on Knowledge and Data Engineering*, **2013**, 25, 2343-2355	4.2	17
85	B-cell epitope prediction through a graph model. *BMC Bioinformatics*, **2012**, 13 Suppl 17, S20	3.6	16
84	On Effective Personalized Music Retrieval by Exploring Online User Behaviors **2016**,		16
83	DART: Domain-Adversarial Residual-Transfer networks for unsupervised cross-domain image classification. *Neural Networks*, **2020**, 127, 182-192	9.1	15
82	Distributed multi-task classification: a decentralized online learning approach. *Machine Learning*, **2018**, 107, 727-747	4	15
81	Multi-target deep neural networks: Theoretical analysis and implementation. *Neurocomputing*, **2018**, 273, 634-642	5.4	15
80	Software process evaluation: a machine learning framework with application to defect management process. *Empirical Software Engineering*, **2014**, 19, 1531-1564	3.3	15
79	Modeling and Compressing 3-D Facial Expressions Using Geometry Videos. *IEEE Transactions on Circuits and Systems for Video Technology*, **2012**, 22, 77-90	6.4	15
78	Semantics-preserving bag-of-words models for efficient image annotation **2009**,		15
77	Large Scale Online Multiple Kernel Regression with Application to Time-Series Prediction. *ACM Transactions on Knowledge Discovery From Data*, **2019**, 13, 1-33	4	14
76	Deep Learning for Practical Image Recognition **2018**,		14
75	Cascade RSVM in Peer-to-Peer Networks. *Lecture Notes in Computer Science*, **2008**, 55-70	0.9	14
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73	Identifying essential pairwise interactions in elastic network model using the alpha shape theory. *Journal of Computational Chemistry*, **2014**, 35, 1111-21	3.5	13
72	Learning to name faces **2013**,		13

71	Software process evaluation: A machine learning approach **2011**,		13
70	Mining weakly labeled web facial images for search-based face annotation **2011**,		13
69	Second-Order Online Active Learning and Its Applications. *IEEE Transactions on Knowledge and Data Engineering*, **2018**, 30, 1338-1351	4.2	12
68	Transaction cost optimization for online portfolio selection. *Quantitative Finance*, **2018**, 18, 1411-1424	1.6	12
67	High-Dimensional Data Stream Classification via Sparse Online Learning **2014**,		12
66	SimpleNPKL **2009**,		12
65	Distance metric learning from uncertain side information for automated photo tagging. *ACM Transactions on Intelligent Systems and Technology*, **2011**, 2, 1-28	8	12
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63	An Effective Approach to 3D Deformable Surface Tracking. *Lecture Notes in Computer Science*, **2008**, 766-779	0.6	11
62	SOL: A library for scalable online learning algorithms. *Neurocomputing*, **2017**, 260, 9-12	5.4	10
61	Reducing Estimation Bias via Triplet-Average Deep Deterministic Policy Gradient. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 4933-4945	10.3	10
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59	Community Discovery from Social Media by Low-Rank Matrix Recovery. *ACM Transactions on Intelligent Systems and Technology*, **2015**, 5, 1-19	8	10
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57	Distilled Siamese Networks for Visual Tracking. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2021**, PP,	13.3	10
56	VisDrone-DET2021: The Vision Meets Drone Object detection Challenge Results **2021**,		10
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54	Near-duplicate keyframe retrieval by semi-supervised learning and nonrigid image matching. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2011**, 7, 1-24	3.4	9

53	Collaborative Refining for Person Re-Identification With Label Noise. *IEEE Transactions on Image Processing*, **2022**, 31, 379-391	8.7	9
52	Sparse Passive-Aggressive Learning for Bounded Online Kernel Methods. *ACM Transactions on Intelligent Systems and Technology*, **2018**, 9, 1-27	8	8
51	Modeling 3D articulated motions with conformal geometry videos (CGVs) **2011**,		8
50	Communication-Efficient Classification in P2P Networks. *Lecture Notes in Computer Science*, **2009**, 83-98	0.9	8
49	Discrete Social Recommendation. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 208-215	5	8
48	Online Active Learning with Expert Advice. *ACM Transactions on Knowledge Discovery From Data*, **2018**, 12, 1-22	4	7
47	Integrating water exclusion theory into contacts to predict binding free energy changes and binding hot spots. *BMC Bioinformatics*, **2014**, 15, 57	3.6	7
46	Spectral Geometry Image: Image Based 3D Models for Digital Broadcasting Applications. *IEEE Transactions on Broadcasting*, **2011**, 57, 636-645	4.7	7
45	Structural analysis of the hot spots in the binding between H1N1 HA and the 2D1 antibody: do mutations of H1N1 from 1918 to 2009 affect much on this binding?. *Bioinformatics*, **2011**, 27, 2529-36	7.2	7
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42	SOAL: Second-Order Online Active Learning **2016**,		7
41	Combination Forecasting Reversion Strategy for Online Portfolio Selection. *ACM Transactions on Intelligent Systems and Technology*, **2018**, 9, 1-22	8	7
40	Real-Time Non-rigid Shape Recovery Via Active Appearance Models for Augmented Reality. *Lecture Notes in Computer Science*, **2006**, 186-197	0.9	7
39	. *IEEE Transactions on Multimedia*, **2020**, 22, 3153-3165	6.6	6
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37	Output Regularized Metric Learning with Side Information. *Lecture Notes in Computer Science*, **2008**, 358-371	0.9	6
36	RegNet: Self-Regulated Network for Image Classification.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP,	10.3	6

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33	Non-parametric kernel ranking approach for social image retrieval **2010**,		5
32	Collaborative online learning of user generated content **2011**,		5
31	A Multimodal and Multilevel Ranking Framework for Content-Based Video Retrieval **2007**,		5
30	Cost-Sensitive Online Classification with Adaptive Regularization and Its Applications **2015**,		4
29	Structural and functional analysis of multi-interface domains. *PLoS ONE*, **2012**, 7, e50821	3.7	4
28	FANS **2013**,		4
27	VisDrone-CC2021: The Vision Meets Drone Crowd Counting Challenge Results **2021**,		4
26	Learning Relative Similarity from Data Streams **2015**,		4
25	Adaptive Ensemble Classification in P2P Networks. *Lecture Notes in Computer Science*, **2010**, 34-48	0.9	4
24	On Classifying Drifting Concepts in P2P Networks. *Lecture Notes in Computer Science*, **2010**, 24-39	0.9	4
23	Cost-Sensitive Double Updating Online Learning and Its Application to Online Anomaly Detection **2013**,		4
22	HDIdx: High-dimensional indexing for efficient approximate nearest neighbor search. *Neurocomputing*, **2017**, 237, 401-404	5.4	3
21	Candy crushing your sleep **2015**,		3
20	Active Crowdsourcing for Annotation **2015**,		3
19	Classification in P2P networks with cascade support vector machines. *ACM Transactions on Knowledge Discovery From Data*, **2013**, 7, 1-29	4	3
18	On profiling blogs with representative entries **2008**,		3

17	Online Adaptive Passive-Aggressive Methods for Non-Negative Matrix Factorization and Its Applications **2016**,		3
16	Exploring Structural Knowledge for Automated Visual Inspection of Moving Trains. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	3
15	FSpH: Fitted spectral hashing for efficient similarity search. *Computer Vision and Image Understanding*, **2014**, 124, 3-11	4.3	2
14	An Effective Approach to Pose Invariant 3D Face Recognition. *Lecture Notes in Computer Science*, **2011**, 217-228	0.9	2
13	SIRE **2011**,		2
12	Randomly Projected KD-Trees with Distance Metric Learning for Image Retrieval. *Lecture Notes in Computer Science*, **2011**, 371-382	0.9	2
11	BDUOL: Double Updating Online Learning on a Fixed Budget. *Lecture Notes in Computer Science*, **2012**, 810-826	0.9	2
10	Compositional Coding for Collaborative Filtering **2019**,		1
9	Active multiple kernel learning for interactive 3D object retrieval systems. *ACM Transactions on Interactive Intelligent Systems*, **2011**, 1, 1-27	1.8	1
8	A Multi-Scale Tikhonov Regularization Scheme for Implicit Surface Modelling **2007**,		1
7	Time-Warped Sparse Non-negative Factorization for Functional Data Analysis. *ACM Transactions on Knowledge Discovery From Data*, **2020**, 14, 1-23	4	1
6	A Data-Driven Method for Online Monitoring Tube Wall Thinning Process in Dynamic Noisy Environment. *IEEE Transactions on Automation Science and Engineering*, **2021**, 1-16	4.9	1
5	A Unified Framework for Sparse Online Learning. *ACM Transactions on Knowledge Discovery From Data*, **2020**, 14, 1-20	4	0
4	A Hybrid Deep Learning Based Framework for Component Defect Detection of Moving Trains. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-13	6.1	0
3	Satrap: Data and Network Heterogeneity Aware P2P Data-Mining. *Lecture Notes in Computer Science*, **2010**, 63-70	0.9	
2	Social Image Tag Ranking by Two-View Learning **2011**, 47-70		
1	Collaborative online ranking algorithms for multitask learning. *Knowledge and Information Systems*, **2020**, 62, 2327-2348	2.4	