Victor S Sheng

List of Publications by Year
in descending order

107 papers	4,456 citations	201674 27 h-index	133252 59 g-index
109 all docs	109 docs citations	109 times ranked	3487 citing authors

#	Article	IF	Citations
1	Where to Go Next: A Spatio-Temporal Gated Network for Next POI Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2512-2524.	5.7	113
2	A Self-Play and Sentiment-Emphasized Comment Integration Framework Based on Deep Q-Learning in a Crowdsourcing Scenario. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1021-1037.	5.7	5
3	Guest Editorial: Reliability and Security for Intelligent Wireless Sensing and Control Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 2651-2655.	11.3	0
4	A Novel Energy-Efficient, Static Scenario-Oriented Routing Method of Wireless Sensor Network Based on Edge Computing. Wireless Communications and Mobile Computing, 2022, 2022, 1-25.	1.2	5
5	Location-based deep factorization machine model for service recommendation. Applied Intelligence, 2022, 52, 9899-9918.	5.3	6
6	A MBGD enhancement method for imbalance smoothing. Multimedia Tools and Applications, 2022, 81, 24225-24243.	3.9	2
7	Bipartite network embedding with Symmetric Neighborhood Convolution. Expert Systems With Applications, 2022, 198, 116757.	7.6	3
8	Homophily-aware correction framework for crowdsourced labels using heterogeneous information network. Expert Systems With Applications, 2022, 200, 116896.	7.6	0
9	Photo2Trip: Exploiting Visual Contents in Geo-Tagged Photos for Personalized Tour Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 1708-1721.	5.7	15
10	Location-Aware Service Recommendations With Privacy-Preservation in the Internet of Things. IEEE Transactions on Computational Social Systems, 2021, 8, 227-235.	4.4	21
11	Multilevel Identification and Classification Analysis of Tor on Mobile and PC Platforms. IEEE Transactions on Industrial Informatics, 2021, 17, 1079-1088.	11.3	24
12	Automatic liver segmentation from abdominal CT volumes using improved convolution neural networks. Multimedia Systems, 2021, 27, 111-124.	4.7	17
13	Improving Heterogeneous Network Knowledge Transfer Based on the Principle of Generative Adversarial. Electronics (Switzerland), 2021, 10, 1525.	3.1	12
14	Multi-label graph node classification with label attentive neighborhood convolution. Expert Systems With Applications, 2021, 180, 115063.	7.6	7
15	DV-Net: Accurate liver vessel segmentation via dense connection model with D-BCE loss function. Knowledge-Based Systems, 2021, 232, 107471.	7.1	31
16	Reinforcement learning-based register renaming policy for simultaneous multithreading CPUs. Expert Systems With Applications, 2021, 186, 115717.	7.6	0
17	Multi-Label Active Learning Algorithms for Image Classification. ACM Computing Surveys, 2021, 53, 1-35.	23.0	50
18	Multi-Resolution Image Segmentation Based on a Cascaded U-ADenseNet for the Liver and Tumors. Journal of Personalized Medicine, 2021, 11, 1044.	2.5	3

#	ARTICLE	IF	CITATIONS
19	HGATs. , 2021, , .		1
20	Gated Graph Neural Networks (GG-NNs) for Abstractive Multi-Comment Summarization. , 2021, , .		1
21	Estimating crowd-worker's reliability with interval-valued labels to improve the quality of crowdsourced work. , 2021, , .		1
22	Abstractive Text Summarization via Stacked LSTM. , 2021, , .		1
23	A real-time typhoon eye detection method based on deep learning for meteorological information forensics. Journal of Real-Time Image Processing, 2020, 17, 95-102.	3.5	10
24	Multiclass imbalanced learning with one-versus-one decomposition and spectral clustering. Expert Systems With Applications, 2020, 147, 113152.	7.6	38
25	Near real-time topic-driven rumor detection in source microblogs. Knowledge-Based Systems, 2020, 207, 106391.	7.1	31
26	A Roadmap to Domain Knowledge Integration in Machine Learning. , 2020, , .		3
27	Ensemble Learning With Attention-Integrated Convolutional Recurrent Neural Network for Imbalanced Speech Emotion Recognition. IEEE Access, 2020, 8, 199909-199919.	4.2	10
28	Loss Functions of Generative Adversarial Networks (GANs): Opportunities and Challenges. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 500-522.	4.9	30
29	Labelling Training Samples Using Crowdsourcing Annotation for Recommendation. Complexity, 2020, 2020, 1-10.	1.6	2
30	An optimal model with a lower bound of recall for imbalanced speech emotion recognition. Multimedia Tools and Applications, 2020, 79, 24281-24301.	3.9	1
31	Exploiting Aesthetic Preference in Deep Cross Networks for Cross-domain Recommendation. , 2020, , .		25
32	Semi-Supervised Multi-Label Learning from Crowds via Deep Sequential Generative Model. , 2020, , .		5
33	A convolutional neural network-based linguistic steganalysis for synonym substitution steganography. Mathematical Biosciences and Engineering, 2020, 17, 1041-1058.	1.9	53
34	A Simple Ensemble Learning Knowledge Distillation. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	1
35	Inter-Basket and Intra-Basket Adaptive Attention Network for Next Basket Recommendation. IEEE Access, 2019, 7, 80644-80650.	4.2	11
36	DOG: A new background removal for object recognition from images. Neurocomputing, 2019, 361, 85-91.	5.9	30

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37	Detection of Tampering by Image Resizing Using Local Tchebichef Moments. Applied Sciences (Switzerland), 2019, 9, 3007.	2.5	7
38	Machine Learning with Crowdsourcing: A Brief Summary of the Past Research and Future Directions. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9837-9843.	4.9	39
39	Crowdsourced Label Aggregation Using Bilayer Collaborative Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3172-3185.	11.3	25
40	Texture Feature Extraction from Thyroid MR Imaging Using High-Order Derived Mean CLBP. Journal of Computer Science and Technology, 2019, 34, 35-46.	1.5	2
41	Corrigendum to â€œFlow Correlation Degree Optimization Driven Random Forest for Detecting DDoS Attacks in Cloud Computingâ€. Security and Communication Networks, 2019, 2019, 1-1.	1.5	0
42	Exploiting Aesthetic Features in Visual Contents for Movie Recommendation. IEEE Access, 2019, 7, 49813-49821.	4.2	4
43	Machine Learning for Wireless Multimedia Data Security. Security and Communication Networks, 2019, 2019, 1-2.	1.5	16
44	Ensemble Learning from Crowds. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1506-1519.	5.7	19
45	MRI and PET image fusion using the nonparametric density model and the theory of variable-weight. Computer Methods and Programs in Biomedicine, 2019, 175, 73-82.	4.7	24
46	An ECG Signal De-Noising Approach Based on Wavelet Energy and Sub-Band Smoothing Filter. Applied Sciences (Switzerland), 2019, 9, 4968.	2.5	35
47	Fog-enabled Event Processing Based on IoT Resource Models. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1707-1721.	5.7	8
48	Majority Voting and Pairing with Multiple Noisy Labeling. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1355-1368.	5.7	41
49	Liver CT sequence segmentation based with improved U-Net and graph cut. Expert Systems With Applications, 2019, 126, 54-63.	7.6	115
50	Document-specific keyphrase candidate search and ranking. Expert Systems With Applications, 2018, 97, 163-176.	7.6	4
51	A Solution Path Algorithm for General Parametric Quadratic Programming Problem. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4462-4472.	11.3	14
52	Efficient sampling methods for characterizing POIs on maps based on road networks. Frontiers of Computer Science, 2018, 12, 582-592.	2.4	0
53	Improving Crowdsourced Label Quality Using Noise Correction. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1675-1688.	11.3	66
54	Learning from crowds with active learning and self-healing. Neural Computing and Applications, 2018, 30, 2883-2894.	5.6	5

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55	An Active Learning Approach for Multi-Label Image Classification with Sample Noise. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1850005.	1.2	10
56	Coarse to Fine: Multi-label Image Classification with Global/Local Attention. , 2018, , .		5
57	Flow Correlation Degree Optimization Driven Random Forest for Detecting DDoS Attacks in Cloud Computing. Security and Communication Networks, 2018, 2018, 1-14.	1.5	18
58	Exploiting Visual Contents in Posters and Still Frames for Movie Recommendation. IEEE Access, 2018, 6, 68874-68881.	4.2	8
59	Exploring Methods of Assessing Influence Relevance of News Articles. Lecture Notes in Computer Science, 2018, , 525-536.	1.3	2
60	Access Control Model Based on Time Synchronization Trust in Wireless Sensor Networks. Sensors, 2018, 18, 2107.	3.8	3
61	Adaptive DDoS Attack Detection Method Based on Multiple-Kernel Learning. Security and Communication Networks, 2018, 2018, 1-19.	1.5	21
62	A Generative Model Approach for Geo-Social Group Recommendation. Journal of Computer Science and Technology, 2018, 33, 727-738.	1.5	15
63	Chunk incremental learning for cost-sensitive hinge loss support vector machine. Pattern Recognition, 2018, 83, 196-208.	8.1	44
64	A Method for Improving CNN-Based Image Recognition Using DCGAN. Computers, Materials and Continua, 2018, 57, 167-178.	1.9	130
65	A Robust Regularization Path Algorithm for u -Support Vector Classification. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1241-1248.	11.3	331
66	Structural Minimax Probability Machine. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1646-1656.	11.3	240
67	Cross Validation Through Two-Dimensional Solution Surface for Cost-Sensitive SVM. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1103-1121.	13.9	48
68	Consensus algorithms for biased labeling in crowdsourcing. Information Sciences, 2017, 382-383, 254-273.	6.9	22
69	Active learning with label correlation exploration for multiâ€label image classification. IET Computer Vision, 2017, 11, 577-584.	2.0	14
70	Label Aggregation for Crowdsourcing with Bi-Layer Clustering. , 2017, , .		10
71	Monochromatic and bichromatic ranked reverse boolean spatial keyword nearest neighbors search. World Wide Web, 2017, 20, 39-59.	4.0	6
72	Location-aware publish/subscribe index with complex boolean expressions. World Wide Web, 2017, 20, 1363-1384.	4.0	3

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73	Photo2Trip. , 2017, , .		19
74	Exploiting Hierarchical Structures for POI Recommendation. , 2017, , .		20
75	Refining Automatically Extracted Knowledge Bases Using Crowdsourcing. Computational Intelligence and Neuroscience, 2017, 2017, 1-17.	1.7	0
76	Keyphrase Extraction Using Sequential Pattern Mining and Entropy. , 2017, , .		1
77	Stratification-Based Outlier Detection over the Deep Web. Computational Intelligence and Neuroscience, 2016, 2016, 1-13.	1.7	1
78	Noise filtering to improve data and model quality for crowdsourcing. Knowledge-Based Systems, 2016, 107, 96-103.	7.1	44
79	Label noise correction and application in crowdsourcing. Expert Systems With Applications, 2016, 66, 149-162.	7.6	45
80	Learning from crowdsourced labeled data: a survey. Artificial Intelligence Review, 2016, 46, 543-576.	15.7	126
81	Multi-label active learning for image classification with asymmetrical conditional dependence. , 2016, , .		5
82	A Double Weighted Naive Bayes with Niching Cultural Algorithm for Multi-Label Classification. International Journal of Pattern Recognition and Artificial Intelligence, 2016, 30, 1650013.	1.2	19
83	Multi-Class Ground Truth Inference in Crowdsourcing with Clustering. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1080-1085.	5.7	71
84	Integrating Active Learning with Supervision for Crowdsourcing Generalization. , 2015, , .		2
85	Immune Centroids Oversampling Method for Binary Classification. Computational Intelligence and Neuroscience, 2015, 2015, 1-11.	1.7	5
86	Noise correction of image labeling in crowdsourcing. , 2015, , .		1
87	Label noise correction methods. , 2015, , .		14
88	Multi-label active learning with label correlation for image classification. , 2015, , .		12
89	Learning from the Crowd with Neural Network. , 2015, , .		4
90	Imbalanced Multiple Noisy Labeling. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 489-503.	5.7	57

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91	Incremental learning for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si17.gif" display="inline" overflow="scroll"><mml:mi>Î½</mml:mi></mml:math>-Support Vector Regression. Neural Networks, 2015, 67, 140-150.	5.9	473
92	Incremental Support Vector Learning for Ordinal Regression. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1403-1416.	11.3	659
93	Ranked Reverse Boolean Spatial Keyword Nearest Neighbors Search. Lecture Notes in Computer Science, 2015, , 92-107.	1.3	4
94	Improving Label Quality in Crowdsourcing Using Noise Correction. , 2015, , .		12
95	Mixed Pattern Matching-Based Traffic Abnormal Behavior Recognition. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	2
96	Maximum classification optimization-based active learning for image classification. , 2014, , .		3
97	Multi-label active learning for image classification. , 2014, , .		22
98	Repeated labeling using multiple noisy labelers. Data Mining and Knowledge Discovery, 2014, 28, 402-441.	3.7	114
99	Cost-sensitive learning for defect escalation. Knowledge-Based Systems, 2014, 66, 146-155.	7.1	25
100	Study of Active Learning-Based Trademark Number Recognition Method. Journal of Algorithms and Computational Technology, 2014, 8, 71-84.	0.7	0
101	Feasibility and Finite Convergence Analysis for Accurate On-Line u-Support Vector Machine. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1304-1315.	11.3	43
102	Interval-Valued Centroids in K-Means Algorithms. , 2012, , .		7
103	Studying Active Learning in the Cost-Sensitive Framework. , 2012, , .		4
104	Simple Multiple Noisy Label Utilization Strategies. , 2011, , .		15
105	Get another label? improving data quality and data mining using multiple, noisy labelers. , 2008, , .		690
106	Maximum profit mining and its application in software development. , 2006, , .		14
107	Overview of RGBD semantic segmentation based on deep learning. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	0