

# Dong-sheng Li

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

800  
citations

933447

10  
h-index

610901

24  
g-index

83  
all docs

83  
docs citations

83  
times ranked

668  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-EM structure of the protein-conducting ERAD channel Hrd1 in complex with Hrd3. <i>Nature</i> , 2017, 548, 352-355.	27.8	160
2	Deep reinforcement learning: a survey. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 1726-1744.	2.6	93
3	Internet-based Virtual Computing Environment: Beyond the data center as a computer. <i>Future Generation Computer Systems</i> , 2013, 29, 309-322.	7.5	74
4	VMThunder: Fast Provisioning of Large-Scale Virtual Machine Clusters. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2014, 25, 3328-3338.	5.6	46
5	Predicting the implicit and the explicit video popularity in a User Generated Content site with enhanced social features. <i>Computer Networks</i> , 2018, 140, 112-125.	5.1	38
6	FISSIONE: A scalable constant degree and low congestion DHT scheme based on kautz graphs. , 0, , .		35
7	Efficient multi-tenant virtual machine allocation in cloud data centers. <i>Tsinghua Science and Technology</i> , 2015, 20, 81-89.	6.1	28
8	Dynamic self-adaptive replica location method in data grids. , 2003, , .		14
9	Large-scale virtual machines provisioning in clouds: challenges and approaches. <i>Frontiers of Computer Science</i> , 2016, 10, 2-18.	2.4	14
10	CubicRing: Exploiting Network Proximity for Distributed In-Memory Key-Value Store. <i>IEEE/ACM Transactions on Networking</i> , 2017, 25, 2040-2053.	3.8	13
11	TopoX: Topology Refactorization for Minimizing Network Communication in Graph Computations. <i>IEEE/ACM Transactions on Networking</i> , 2020, 28, 2768-2782.	3.8	13
12	Large-scale graph processing systems: a survey. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 384-404.	2.6	12
13	Improved heuristic job scheduling method to enhance throughput for big data analytics. <i>Tsinghua Science and Technology</i> , 2022, 27, 344-357.	6.1	11
14	An Efficient ADMM-Based Algorithm to Nonconvex Penalized Support Vector Machines. , 2018, , .		10
15	Hierarchical Adaptive Pooling by Capturing High-Order Dependency for Graph Representation Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2023, 35, 3952-3965.	5.7	10
16	Temporal Pyramid Relation Network for Video-Based Gesture Recognition. , 2018, , .		9
17	A Large-Gap Clone Detection Approach Using Sequence Alignment via Dynamic Parameter Optimization. <i>IEEE Access</i> , 2019, 7, 131270-131281.	4.2	9
18	Leveraging Locality for Fast Failure Recovery in Distributed RAM Storage. <i>ACM Transactions on Storage</i> , 2019, 15, 1-24.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Learning to select pseudo labels: a semi-supervised method for named entity recognition. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 903-916.	2.6	9
20	Clustering-preserving Network Flow Sketching. , 2020, , .		9
21	Sign Stochastic Gradient Descents without bounded gradient assumption for the finite sum minimization. <i>Neural Networks</i> , 2022, 149, 195-203.	5.9	9
22	Cross-Modal Knowledge Distillation in Multi-Modal Fake News Detection. , 2022, , .		9
23	CSR: Classified Source Routing in Distributed Networks. <i>IEEE Transactions on Cloud Computing</i> , 2018, 6, 464-477.	4.4	8
24	An efficient parallel and distributed solution to nonconvex penalized linear SVMs. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 587-603.	2.6	8
25	Gradient Descent Learning With Floats. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 1763-1771.	9.5	8
26	Unsupervised Entity Resolution With Blocking and Graph Algorithms. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, 34, 1501-1515.	5.7	8
27	Efficient parallel implementation of a density peaks clustering algorithm on graphics processing unit. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2017, 18, 915-927.	2.6	7
28	SIFTER: A Framework for Robust Rumor Detection. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2022, 30, 429-442.	5.8	7
29	Novel Convergence Results of Adaptive Stochastic Gradient Descents. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 1044-1056.	9.8	6
30	Adaptive Temporal Difference Learning With Linear Function Approximation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022, 44, 8812-8824.	13.9	6
31	2PGraph: Accelerating GNN Training over Large Graphs on GPU Clusters. , 2021, , .		6
32	Pegasus: a distributed and load-balancing fingerprint identification system. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2016, 17, 766-780.	2.6	5
33	CubeX: Leveraging glocality of cube-based networks for RAM-based key-value store. , 2017, , .		5
34	A Skewness-Aware Matrix Factorization Approach for Mesh-Structured Cloud Services. <i>IEEE/ACM Transactions on Networking</i> , 2019, 27, 1598-1611.	3.8	5
35	Person Re-Identification Based on Multi-Parts of Local Feature Network. <i>IEEE Access</i> , 2019, 7, 132438-132447.	4.2	5
36	A Nonconvex Implementation of Sparse Subspace Clustering: Algorithm and Convergence Analysis. <i>IEEE Access</i> , 2020, 8, 54741-54750.	4.2	5

#	ARTICLE	IF	CITATIONS
37	Decentralized adaptive replica location mechanism in large-scale distributed systems. , 0, , .		4
38	Efficient range query processing over DHTs based on the balanced Kautz tree. Concurrency Computation Practice and Experience, 2011, 23, 796-814.	2.2	4
39	OPTAS: Optimal Data Placement in MapReduce. , 2013, , .		4
40	MapCheckReduce: An Improved MapReduce Computing Model for Imprecise Applications. , 2014, , .		4
41	Every Timestamp Counts: Accurate Tracking of Network Latencies Using Reconcilable Difference Aggregator. IEEE/ACM Transactions on Networking, 2018, 26, 90-103.	3.8	4
42	Diting: An Author Disambiguation Method Based on Network Representation Learning. IEEE Access, 2019, 7, 135539-135555.	4.2	4
43	Iteratively Reweighted Penalty Alternating Minimization Methods with Continuation for Image Deblurring. , 2019, , .		4
44	Author Disambiguation through Adversarial Network Representation Learning. , 2019, , .		4
45	Effective and Efficient Content Redundancy Detection of Web Videos. IEEE Transactions on Big Data, 2021, 7, 187-198.	6.1	4
46	SCautz: a high performance and fault-tolerant datacenter network for modular datacenters. Science China Information Sciences, 2012, 55, 1493-1508.	4.3	3
47	Heavy-ball Algorithms Always Escape Saddle Points. , 2019, , .		3
48	Heterogeneous Systolic Array Architecture for Compact CNNs Hardware Accelerators. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	3
49	DSS: A Scalable and Efficient Stratified Sampling Algorithm for Large-Scale Datasets. Lecture Notes in Computer Science, 2016, , 133-146.	1.3	2
50	GraphA: Efficient Partitioning and Storage for Distributed Graph Computation. IEEE Transactions on Services Computing, 2019, , 1-1.	4.6	2
51	Nonergodic Complexity of Proximal Inertial Gradient Descents. IEEE Transactions on Neural Networks and Learning Systems, 2020, 32, 1-14.	11.3	2
52	Capri: $\langle u \rangle_C \langle u \rangle_{\text{sensus}} \langle u \rangle_A \langle u \rangle_{\text{ccelerated}} \langle u \rangle_P \langle u \rangle_{\text{roximal}} \langle u \rangle_R \langle u \rangle_{\text{eweighted}} \langle u \rangle_I \langle u \rangle_{\text{teration}}$ for A Class of Nonconvex Minimizations. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1066-1079.	5.7	2
53	A survey of script learning. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 341-373.	2.6	2
54	Distant context aware text generation from abstract meaning representation. Applied Intelligence, 2022, 52, 1672-1685.	5.3	2

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55	DFIS: A Scalable Distributed Fingerprint Identification System. Lecture Notes in Computer Science, 2015, , 162-175.	1.3	2
56	PCGraph: Accelerating GNN Inference on Large Graphs via Partition Caching. , 2021, , .		2
57	Accelerate Graph Neural Network Training by Reusing Batch Data on GPUs. , 2021, , .		2
58	Text Generation From Data With Dynamic Planning. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 26-34.	5.8	2
59	S2 Reducer: High-Performance Sparse Communication to Accelerate Distributed Deep Learning. , 2022, , .		2
60	EDDTSTM: A Time-Nonlinear-Sensitive Trust Model Based on Human Mental Peculiarity in Virtual Computing Environments1. , 2006, , .		1
61	Creating Virtual Networks for Distributed Virtual Computing Environment. , 2009, , .		1
62	A Virtual Machine Server Aggregation Algorithm Based on Hierarchical Clustering. , 2009, , .		1
63	The Fusion of VMs and Processes: A System Perspective of cKernel. , 2018, , .		1
64	Resilient Disaggregated Network Flow Monitoring. , 2019, , .		1
65	A Distributed Event Extraction Framework for Large-Scale Unstructured Text. , 2020, , .		1
66	Coordinative Scheduling of Computation and Communication in Data-parallel Systems. IEEE Transactions on Computers, 2020, , 1-1.	3.4	1
67	Inertial Proximal Deep Learning Alternating Minimization for Efficient Neutral Network Training. , 2021, , .		1
68	BSE-MAML: Model Agnostic Meta-Reinforcement Learning via Bayesian Structured Exploration. , 2020, , .		1
69	Learning to classify relations between entities from noisy data - A meta instance reweighting approach. Expert Systems With Applications, 2022, 202, 117113.	7.6	1
70	A load balancing-supported ID management method for Constant Degree DHTs. , 2010, , .		0
71	Efficient Virtual Machine Deployment in Large Scale Resource Environment. , 2010, , .		0
72	Skew-Aware Task Scheduling in Clouds. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
73	MEX: A distributed computing framework for executable programs. , 2014, , .		0
74	VirtMan: design and implementation of a fast booting system for homogeneous virtual machines in iVCE. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 110-121.	2.6	0
75	Poster Abstract: Model Average-based Distributed Training for Sparse Deep Neural Networks. , 2020, , .		0
76	Tag Pollution Detection in Web Videos via Cross-Modal Relevance Estimation. , 2020, , .		0
77	Optimizing Resource Allocation for Data-Parallel Jobs Via GCN-Based Prediction. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2188-2201.	5.6	0
78	Bulk Construction of Geo-Textual Indices. International Journal of Data Warehousing and Mining, 2014, 10, 15-33.	0.6	0
79	An Efficient MapReduce Computing Model for Imprecise Applications. International Journal of Web Services Research, 2016, 13, 46-63.	0.8	0
80	A BERT-Based Semantic Matching Ranker for Open-Domain Question Answering. , 2020, , .		0
81	DualGCN: Representation Learning for Property Graphs via Dual-level Convolutional Networks. , 2020, , .		0
82	Fixed-Size Objects Encoding for Visual Relationship Detection. Neural Processing Letters, 0, , 1.	3.2	0
83	BRGraph: An efficient graph neural network training system by reusing batch data on GPU. Concurrency Computation Practice and Experience, 0, , .	2.2	0