Chun Chen

List of Publications by Year
in descending order

189 papers	4,294 citations	136885 32 h-index	161767 54 g-index
189 all docs	189 docs citations	189 times ranked	3673 citing authors

#	ARTICLE	IF	CITATIONS
1	Music recommendation by unified hypergraph. , 2010, , .		205
2	ReTrust: Attack-Resistant and Lightweight Trust Management for Medical Sensor Networks. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 623-632.	3.6	181
3	Secure and Efficient Handover Authentication Based on Bilinear Pairing Functions. IEEE Transactions on Wireless Communications, 2012, 11, 48-53.	6.1	175
4	A strong user authentication scheme with smart cards for wireless communications. Computer Communications, 2011, 34, 367-374.	3.1	161
5	Probabilistic Graphlet Transfer for Photo Cropping. IEEE Transactions on Image Processing, 2013, 22, 802-815.	6.0	151
6	Semi-supervised Coupled Dictionary Learning for Person Re-identification. , 2014, , .		147
7	Online Knowledge Distillation with Diverse Peers. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3430-3437.	3.6	138
8	An exploration of improving collaborative recommender systems via user-item subgroups. , 2012, , .		137
9	Challenges and opportunities: from big data to knowledge in AI 2.0. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 3-14.	1.5	122
10	Probabilistic Graphlet Cut: Exploiting Spatial Structure Cue for Weakly Supervised Image Segmentation. , 2013, , .		115
11	Mosaic: A low-cost mobile sensing system for urban air quality monitoring. , 2016, , .		109
12	Lightweight and provably secure user authentication with anonymity for the global mobility network. International Journal of Communication Systems, 2011, 24, 347-362.	1.6	104
13	Secure and Lightweight Network Admission and Transmission Protocol for Body Sensor Networks. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 664-674.	3.9	100
14	Color to Gray: Visual Cue Preservation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1537-1552.	9.7	96
15	Privacy-Preserving Universal Authentication Protocol for Wireless Communications. IEEE Transactions on Wireless Communications, 2011, 10, 431-436.	6.1	94
16	Interpreting the Public Sentiment Variations on Twitter. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1158-1170.	4.0	90
17	A Distributed Trust Evaluation Model and Its Application Scenarios for Medical Sensor Networks. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1164-1175.	3.6	86
18	Distributed Access Control with Privacy Support in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3472-3481.	6.1	76

#	ARTICLE	IF	CITATIONS
19	Semi-Supervised Nonlinear Hashing Using Bootstrap Sequential Projection Learning. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1380-1393.	4.0	74
20	Security Analysis and Improvement of a Secure and Distributed Reprogramming Protocol for Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2013, 60, 5348-5354.	5.2	65
21	Towards elastic transactional cloud storage with range query support. Proceedings of the VLDB Endowment, 2010, 3, 506-514.	2.1	64
22	Three-Dimensional Face Reconstruction From a Single Image by a Coupled RBF Network. IEEE Transactions on Image Processing, 2012, 21, 2887-2897.	6.0	63
23	Semi-supervised Node Splitting for Random Forest Construction. , 2013, , .		63
24	EMR: A Scalable Graph-Based Ranking Model for Content-Based Image Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 102-114.	4.0	60
25	Cross domain recommendation based on multi-type media fusion. Neurocomputing, 2014, 127, 124-134.	3.5	59
26	Design and Validation of an Efficient Authentication Scheme with Anonymity for Roaming Service in Global Mobility Networks. Wireless Personal Communications, 2011, 61, 465-476.	1.8	55
27	Improving Collaborative Recommendation via User-Item Subgroups. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2363-2375.	4.0	54
28	Attribute-restricted latent topic model for person re-identification. Pattern Recognition, 2012, 45, 4204-4213.	5.1	51
29	Analysis and Improvement of a Secure and Efficient Handover Authentication for Wireless Networks. IEEE Communications Letters, 2012, 16, 1270-1273.	2.5	49
30	ES^2: A cloud data storage system for supporting both OLTP and OLAP. , 2011, , .		46
31	SDRP: A Secure and Distributed Reprogramming Protocol for Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2012, 59, 4155-4163.	5.2	46
32	DPLC: Dynamic Packet Length Control in Wireless Sensor Networks. , 2010, , .		44
33	A Simple and Robust Vertical Handoff Algorithm for Heterogeneous Wireless Mobile Networks. Wireless Personal Communications, 2011, 59, 361-373.	1.8	43
34	Feature level analysis for 3D facial expression recognition. Neurocomputing, 2011, 74, 2135-2141.	3.5	43
35	Emotion Recognition from Noisy Speech. , 2006, , .		39
36	DiCode: DoS-Resistant and Distributed Code Dissemination in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1946-1956.	6.1	37

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37	Handauth: Efficient Handover Authentication with Conditional Privacy for Wireless Networks. IEEE Transactions on Computers, 2013, 62, 616-622.	2.4	36
38	Dynamic Packet Length Control in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2014, 13, 1172-1181.	6.1	36
39	Providing OS Support for Wireless Sensor Networks: Challenges and Approaches. IEEE Communications Surveys and Tutorials, 2010, 12, 519-530.	24.8	35
40	Image Alignment by Online Robust PCA via Stochastic Gradient Descent. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1241-1250.	5.6	34
41	Audio-visual based emotion recognition-a new approach. , 0, , .		33
42	Real-time intelligent big data processing: technology, platform, and applications. Science China Information Sciences, 2019, 62, 1.	2.7	32
43	Link-Correlation-Aware Data Dissemination in Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 5747-5757.	5.2	29
44	Locally Discriminative Coclustering. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1025-1035.	4.0	27
45	Efficient k-Nearest-Neighbor Search Algorithms for Historical Moving Object Trajectories. Journal of Computer Science and Technology, 2007, 22, 232-244.	0.9	25
46	R2: Incremental Reprogramming Using Relocatable Code in Networked Embedded Systems. IEEE Transactions on Computers, 2013, 62, 1837-1849.	2.4	25
47	Speech Emotion Recognition using an Enhanced Co-Training Algorithm. , 2007, , .		24
48	A secure and efficient password–authenticated group key exchange protocol for mobile ad hoc networks. International Journal of Communication Systems, 2013, 26, 495-504.	1.6	24
49	Color-to-gray based on chance of happening preservation. Neurocomputing, 2013, 119, 222-231.	3.5	24
50	CoDesign - a collaborative pattern design system based on agent. , 0, , .		22
51	Metric Similarity Joins Using MapReduce. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 656-669.	4.0	22
52	Optimal Monitor Assignment for Preferential Link Tomography in Communication Networks. IEEE/ACM Transactions on Networking, 2017, 25, 210-223.	2.6	21
53	Enhancing the Performance of 802.15.4-Based Wireless Sensor Networks With NB-IoT. IEEE Internet of Things Journal, 2020, 7, 3523-3534.	5.5	20
54	Grassmann multimodal implicit feature selection. Multimedia Systems, 2014, 20, 659-674.	3.0	19

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55	Dynamic linking and loading in networked embedded systems. , 2009, , .		17
56	Strong roaming authentication technique for wireless and mobile networks. International Journal of Communication Systems, 2013, 26, 1028-1037.	1.6	17
57	Modeling link correlation in low-power wireless networks. , 2015, , .		17
58	Adaptive Influence Blocking: Minimizing the Negative Spread by Observation-Based Policies. , 2019, , .		16
59	Providing Scalable Database Services on the Cloud. Lecture Notes in Computer Science, 2010, , 1-19.	1.0	15
60	Very Fast Semantic Image Segmentation Using Hierarchical Dilation and Feature Refining. Cognitive Computation, 2018, 10, 62-72.	3.6	15
61	Taming Both Predictable and Unpredictable Link Failures for Network Tomography. IEEE/ACM Transactions on Networking, 2018, 26, 1460-1473.	2.6	15
62	iPath: Path Inference in Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2016, 24, 517-528.	2.6	14
63	A Hierarchical Framework for Speech Emotion Recognition. , 2006, , .		13
64	Dual-RBF based surface reconstruction. Visual Computer, 2009, 25, 599-607.	2.5	13
65	Colorization for Gray Scale Facial Image by Locality-Constrained Linear Coding. Journal of Signal Processing Systems, 2014, 74, 59-67.	1.4	12
66	Graph-based local concept coordinate factorization. Knowledge and Information Systems, 2015, 43, 103-126.	2.1	12
67	An Energy-Efficient Strategy for Microcontrollers. Applied Sciences (Switzerland), 2021, 11, 2581.	1.3	12
68	Multi-frame error concealment for H.264/AVC frames with complexity adaptation. IEEE Transactions on Consumer Electronics, 2008, 54, 1422-1429.	3.0	11
69	FIT: A Flexible, Lightweight, and Real-Time Scheduling System for Wireless Sensor Platforms. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 126-138.	4.0	11
70	Joint Sparse Learning for 3-D Facial Expression Generation. IEEE Transactions on Image Processing, 2013, 22, 3283-3295.	6.0	11
71	Pedestrian detection by learning a mixture mask model and its implementation. Information Sciences, 2016, 372, 148-161.	4.0	11
72	On-line topical importance estimation: an effective focused crawling algorithm combining link and content analysis. Journal of Zhejiang University: Science A, 2009, 10, 1114-1124.	1.3	10

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73	Distributed privacy-preserving access control in a single-owner multi-user sensor network. , 2011, , .		10
74	Accurate Per-Packet Delay Tomography in Wireless Ad Hoc Networks. IEEE/ACM Transactions on Networking, 2017, 25, 480-491.	2.6	10
75	Subspace analysis and optimization for AAM based face alignment. , 0, , .		9
76	Fast Predictive Variable-Block-Size Motion Estimation for H. 264/AVC. , 0, , .		9
77	A sampling method based on URL clustering for fast web accessibility evaluation. Frontiers of Information Technology and Electronic Engineering, 2015, 16, 449-456.	1.5	9
78	CCPA: Component-Based Communication Protocol Architecture for embedded systems. Journal of Zhejiang University: Science A, 2005, 6, 79-86.	1.3	8
79	A novel fast predictive mode decision algorithm for H.264. , 0, , .		8
80	Elon. Performance Evaluation Review, 2010, 38, 49-60.	0.4	8
81	Lazy texture selection based on active learning. Visual Computer, 2010, 26, 157-169.	2.5	8
82	Exploiting link correlation for core-based dissemination in wireless sensor networks. , 2014, , .		8
83	Efficient rendering of breaking waves using MPS method. Journal of Zhejiang University: Science A, 2006, 7, 1018-1025.	1.3	7
84	Sensor network architecture for intelligent high-speed train on-board monitoring. Journal of Zhejiang University: Science A, 2011, 12, 921-925.	1.3	7
85	AdSherlock: Efficient and Deployable Click Fraud Detection for Mobile Applications. IEEE Transactions on Mobile Computing, 2021, 20, 1285-1297.	3.9	7
86	Real-time video object segmentation using HSV space. , 0, , .		6
87	A Predictive Block-Size Mode Selection for Inter Frame in H.264. , 0, , .		6
88	An Effective Feature-Weighting Model for Question Classification. , 2007, , .		6
89	User Modeling for Recommendation in Blogspace. , 2007, , .		6
90	Media Browsing for Mobile Devices Based on Resolution Adaptive Recommendation. , 2009, , .		6

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91	A hybrid phonic web news recommender system for pervasive access. , 2009, , .		6
92	Post-Deployment Anomaly Detection and Diagnosis in Networked Embedded Systems by Program Profiling and Symptom Mining. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3588-3601.	4.0	6
93	Whom to Blame? Automatic Diagnosis of Performance Bottlenecks on Smartphones. IEEE Transactions on Mobile Computing, 2017, 16, 1773-1785.	3.9	6
94	Temporally-adjusted correlation filter-based tracking. Neurocomputing, 2018, 286, 121-129.	3.5	6
95	Collaborative Knowledge Distillation for Heterogeneous Information Network Embedding. , 2022, , .		6
96	New algorithm for 3D facial model reconstruction and its application in virtual reality. Journal of Computer Science and Technology, 2004, 19, 501-509.	0.9	5
97	Fast mode decision algorithm for spatial resolutions down-scaling transcoding to H.264. Journal of Zhejiang University: Science A, 2006, 7, 70-75.	1.3	5
98	SEF: A Secure, Efficient, and Flexible Range Query Scheme in Two-Tiered Sensor Networks. International Journal of Distributed Sensor Networks, 2011, 7, 126407.	1.3	5
99	Motionlet LLC coding for discriminative human pose estimation. Multimedia Tools and Applications, 2014, 73, 327-344.	2.6	5
100	Audio and video combined for home video abstraction. , 0, , .		4
101	Reliable communication based on P2P architecture on real-time collaborative editing system. , 0, , .		4
102	Audio-visual based emotion recognition using tripled hidden Markov model. , 0, , .		4
103	Multiframe Error Concealment for Whole-Frame Loss in H.264/AVC. , 2007, , .		4
104	A temporal error concealment algorithm for H.264/AVC based on edge directions. , 2009, , .		4
105	A Novel Approach to Keyword Extraction for Contextual Advertising. , 2009, , .		4
106	A Level-set Based Tracking Approach for Surveillance Video with Fusion and Occlusion. , 2010, , .		4
107	ICAD: Indirect correlation based anomaly detection in dynamic WSNs. , 2011, , .		4
108	Real-time speech-driven animation of expressive talking faces. International Journal of General Systems, 2011, 40, 439-455.	1.2	4

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109	Secure and efficient dynamic program update in wireless sensor networks. Security and Communication Networks, 2012, 5, 823-830.	1.0	4
110	Preferential Link Tomography: Monitor Assignment for Inferring Interesting Link Metrics. , 2014, , .		4
111	Bound-based Network Tomography for Inferring Interesting Link Metrics. , 2020, , .		4
112	SamWalker++: recommendation with informative sampling strategy. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	4
113	SemCKD: Semantic Calibration for Cross-Layer Knowledge Distillation. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	4
114	Optimistic voting for managing replicated data. Journal of Computer Science and Technology, 2002, 17, 874-881.	0.9	3
115	Design and Implementation of a Server-Aided PKI Service (SaPKI). , 0, , .		3
116	&#x211B;<sup>2</sup>: Incremental &#x211B;eprogramming using &#x211B;elocatable code in networked embedded systems. , 2011, , .		3
117	An energy conduction model for cell image segmentation. Science Bulletin, 2011, 56, 1048-1054.	1.7	3
118	Pedestrian detection using a mixture mask model. , 2012, , .		3
119	Dynamic logging with Dylog for networked embedded systems. , 2014, , .		3
120	Walking With Attention: Self-Guided Walking for Heterogeneous Graph Embedding. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 6047-6060.	4.0	3
121	A new hybrid recurrent neural network. , 0, , .		2
122	A novel Bayesian framework for indoor-outdoor image classification. , 0, , .		2
123	A new approach of wind image restoration. , 0, , .		2
124	A Novel Fast Error-resilient Video Coding Scheme for H.264. , 2006, , .		2
125	Emotional Speech Analysis on Nonlinear Manifold. , 2006, , .		2
126	Learning a Flexible Question Classifier. , 2007, , .		2

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127	Whole Frame Loss Recovery for H.264/AVC in Wireless Low Bit-Rate Video Transmisson. , 2007, , .		2
128	Automatic Query Type Classification for Web Image Retrieval. , 2007, , .		2
129	A novel dependency language model for information retrieval. Journal of Zhejiang University: Science A, 2007, 8, 871-882.	1.3	2
130	A New Collaboration Architecture for Highly Organized Work Group. , 2008, , .		2
131	Cartoon-like stylization of video for real-time applications. , 2008, , .		2
132	Block-based threshold modulation error diffusion. , 2009, , .		2
133	A Metric for Measuring Members' Contribution to Information Propagation in Social Network Sites. , 2010, , .		2
134	Exploiting concurrency for efficient dissemination in Wireless Sensor Networks. , 2011, , .		2
135	Exploiting error estimating codes for packet length adaptation in wireless sensor networks. , 2014, , .		2
136	Preferential link tomography in dynamic networks. , 2017, , .		2
137	Network Measurement in Multihop Wireless Networks with Lossy and Correlated Links. , 2018, , .		2
138	Two Designs of Automatic Embedded System Energy Consumption Measuring Platforms Using GPIO. Applied Sciences (Switzerland), 2020, 10, 4866.	1.3	2
139	Semantic image classification based on Bayesian framework and one-step relevance feedback. , 0, , .		1
140	A probability-based approach of transaction consistency in mobile environments. , 0, , .		1
141	Research on conflict resolution and operation consistency in real-time collaborative graphic designing system. , 0, , .		1
142	Research on awareness model on real-time collaborative graphics editing system. , 0, , .		1
143	Using web services implementing collaborative design for CAD systems. , 0, , .		1
144	Expression recognition from video using a coupled hidden Markov model. , 0, , .		1

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145	A framework to create video-transition effects. Journal of Zhejiang University: Science A, 2005, 6, 58-65.	1.3	1
146	A Late Join Approach for Distributed Dynamic-locking in Real-time Collaborative Editing Systems. , 2005, , .		1
147	Facial Animation System for Embedded Application. , 0, , .		1
148	Parallel RBF-based Reconstruction from Contour Dataset. , 2007, , .		1
149	Improving Visual Awareness by Real-Time 2D Facial Animation for Ubiquitous Collaboration. , 2007, , .		1
150	Pervasive Web News Recommendation for Visually Impaired People. , 2008, , .		1
151	Wavelet-based hybrid multilinear models for multidimensional image approximation. , 2008, , .		1
152	A study on local sensor fusion of wireless sensor networks based on the neural network. , 2008, , .		1
153	A Kernel Based Algorithm for Fast Color-to-Gray Processing. , 2008, , .		1
154	Jumping Scanning Path Error Diffusion: A Novel Halftoning Algorithm Improving Mid-tone Quality. , 2011, , .		1
155	Large-scale Outdoor Scene Classification by Boosting a Set of Highly Discriminative and Low Redundant Graphlets. , 2011, , .		1
156	Cryptanalysis of some conference schemes for mobile communications. Security and Communication Networks, 2012, 5, 107-112.	1.0	1
157	Color error diffusion based on multilevel halftone. Journal of Electronic Imaging, 2014, 23, 043006.	0.5	1
158	User Modeling for Recommendation in Blogspace. , 2007, , .		1
159	Learning Dynamic Preference Structure Embedding From Temporal Networks. , 2021, , .		1
160	A self-adaptive automatic albuming system. , 0, , .		0
161	Detection and location of people in video streams by fusion of color, edge and motion information. , 0, , .		0
162	Surface modeling from 3D unorganized points. , 0, , .		0

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163	Achieving group undo in bitmap-based collaborative editing systems. , 0, , .		0
164	Research on transport model in real-time collaborative graphics editing system. , 0, , .		0
165	Semantic locking in real-time internet-based collaborative graphics design systems. , 0, , .		0
166	System forecast locking in collaborative pattern design. , 2005, , .		0
167	Enable collaborative graphics editing in mobile environment. , 2005, , .		0
168	Efficient View Maintenance in Wireless Networks. , 0, , .		0
169	An Improved System of Video Object Operation. , 2006, , .		0
170	A Hybrid Model for Web Image Annotation. , 2007, , .		0
171	Question Classification via Multiclass Kernel-based Vector Machines. , 2007, , .		0
172	LOCAL LAPLACIAN DETAIL LEARNING FOR FACE AGING MANIPULATION. International Journal of Image and Graphics, 2007, 07, 463-480.	1.2	0
173	Efficient Rejoining for Ubiquitous Collaborative Graphics Editing Systems. , 2007, , .		0
174	A Dynamic Time Synchronization Scheme for Multihop Sensor Networks. , 2008, , .		0
175	A novel coordination mechanism in cooperative pattern design systems. , 2008, , .		0
176	Error concealment for whole-frame losses based on motion stability estimation. , 2008, , .		0
177	A block-based background model for video surveillance. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
178	Optimal-Nearest-Neighbor Queries. , 2008, , .		0
179	A Real-Time Approach of Level-Set-Based Contour Tracking for Accurate Foreground Extraction. , 2009, , .		0
180	Intelligent Advertising for User Generated Content through Sentiment Analysis. , 2009, , .		0

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181	Personalized automatic image annotation based on reinforcement learning. , 2013, , .		0
182	Humanoid Robot Imitation with Pose Similarity Metric Learning. , 2014, , .		0
183	Metric Similarity Joins Using MapReduce (Extended Abstract). , 2018, , .		0
184	An Automatic Energy Consumption Measuring Platform for Embedded Systems. , 2019, , .		0
185	A General Approach to Robust QR Codes Decoding. , 2020, , .		0
186	Image Based High Realistic Visual Pattern Effect Achieving Method. , 0, , .		0
187	A Hybrid Model for Web Image Annotation. , 2007, , .		0
188	Learning a Flexible Question Classifier. , 2007, , .		0
189	Bound-Based Network Tomography for Inferring Interesting Path Metrics. IEEE/ACM Transactions on Networking, 2023, 31, 1-14.	2.6	0