Ivan Lee

List of Publications by Year in descending order

153 papers	3,015 citations	236612 25 h-index	205818 48 g-index
157 all docs	157 docs citations	157 times ranked	3020 citing authors

#	Article	IF	Citations
1	Highly Sensitive, Wearable, Durable Strain Sensors and Stretchable Conductors Using Graphene/Silicon Rubber Composites. Advanced Functional Materials, 2016, 26, 7614-7625.	7.8	339
2	Graph Learning: A Survey. IEEE Transactions on Artificial Intelligence, 2021, 2, 109-127.	3.4	165
3	A Path Beyond Metal and Silicon:Polymer/Nanomaterial Composites for Stretchable Strain Sensors. Advanced Functional Materials, 2019, 29, 1806306.	7.8	147
4	Scientific Paper Recommendation: A Survey. IEEE Access, 2019, 7, 9324-9339.	2.6	126
5	Academic social networks: Modeling, analysis, mining and applications. Journal of Network and Computer Applications, 2019, 132, 86-103.	5.8	122
6	Artificial Intelligence in the 21st Century. IEEE Access, 2018, 6, 34403-34421.	2.6	112
7	CAIS: A Copy Adjustable Incentive Scheme in Community-Based Socially Aware Networking. IEEE Transactions on Vehicular Technology, 2017, 66, 3406-3419.	3.9	106
8	Scientific Article Recommendation: Exploiting Common Author Relations and Historical Preferences. IEEE Transactions on Big Data, 2016, 2, 101-112.	4.4	89
9	Predicting the citations of scholarly paper. Journal of Informetrics, 2019, 13, 407-418.	1.4	89
10	Scientific collaboration patterns vary with scholars' academic ages. Scientometrics, 2017, 112, 329-343.	1.6	69
11	Bibliographic Analysis of Nature Based on Twitter and Facebook Altmetrics Data. PLoS ONE, 2016, 11, e0165997.	1.1	65
12	Distributed Algorithms for Network Lifetime Maximization in Wireless Visual Sensor Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 704-718.	5.6	54
13	PAVE: Personalized Academic Venue recommendation Exploiting co-publication networks. Journal of Network and Computer Applications, 2018, 104, 38-47.	5.8	51
14	A Lifetime-Enhanced Data Collecting Scheme for the Internet of Things. , 2017, 55, 132-137.		49
15	An Overview on Evaluating and Predicting Scholarly Article Impact. Information (Switzerland), 2017, 8, 73.	1.7	43
16	Identifying Anomalous Citations for Objective Evaluation of Scholarly Article Impact. PLoS ONE, 2016, 11, e0162364.	1.1	39
17	Applying spatial augmented reality to facilitate in-situ support for automotive spot welding inspection. , 2011, , .		34
18	Fall Recovery Subactivity Recognition With RGB-D Cameras. IEEE Transactions on Industrial Informatics, 2016, 12, 2312-2320.	7.2	34

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19	A sub-national economic complexity analysis of Australia's states and territories. Regional Studies, 2018, 52, 715-726.	2.5	34
20	Data Mining and Information Retrieval in the 21st century: A bibliographic review. Computer Science Review, 2019, 34, 100193.	10.2	32
21	Distributed Throughput Maximization in P2P VoD Applications. IEEE Transactions on Multimedia, 2009, 11, 509-522.	5.2	31
22	Scholarly impact assessment: a survey of citation weighting solutions. Scientometrics, 2019, 118, 453-478.	1.6	31
23	EEEA-Net: An Early Exit Evolutionary Neural Architecture Search. Engineering Applications of Artificial Intelligence, 2021, 104, 104397.	4.3	29
24	Motif discovery in networks: A survey. Computer Science Review, 2020, 37, 100267.	10.2	28
25	The Role of Positive and Negative Citations in Scientific Evaluation. IEEE Access, 2017, 5, 17607-17617.	2.6	27
26	Geo-Social Distance-Based Data Dissemination for Socially Aware Networking. IEEE Access, 2016, 4, 1444-1453.	2.6	26
27	A Multifunctional Wearable Device with a Graphene/Silver Nanowire Nanocomposite for Highly Sensitive Strain Sensing and Drug Delivery. Journal of Carbon Research, 2019, 5, 17.	1.4	26
28	Two decades of information systems: a bibliometric review. Scientometrics, 2019, 118, 617-643.	1.6	26
29	Science of Scientific Team Science: A survey. Computer Science Review, 2019, 31, 72-83.	10.2	25
30	A Novel Shortcut Addition Algorithm With Particle Swarm for Multisink Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 3566-3577.	7.2	25
31	Big networks: A survey. Computer Science Review, 2020, 37, 100247.	10.2	25
32	An improved Apriori-based algorithm for friends recommendation in microblog. International Journal of Communication Systems, 2018, 31, e3453.	1.6	24
33	Data-Driven Decision-Making in COVID-19 Response: A Survey. IEEE Transactions on Computational Social Systems, 2021, 8, 1016-1029.	3.2	24
34	Association rule hiding based on evolutionary multi-objective optimization. Intelligent Data Analysis, 2016, 20, 495-514.	0.4	23
35	Resource Allocation Schemes in D2D Communications: Overview, Classification, and Challenges. Wireless Personal Communications, 2017, 96, 303-322.	1.8	23
36	Multivariate Relations Aggregation Learning in Social Networks. , 2020, , .		23

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37	Deep Video Anomaly Detection: Opportunities and Challenges. , 2021, , .		23
38	Stretchable and calibratable graphene sensors for accurate strain measurement. Materials Advances, 2020, 1, 235-243.	2.6	22
39	Rancidity and moisture estimation in shelled almond kernels using NIR hyperspectral imaging and chemometric analysis. Journal of Food Engineering, 2022, 318, 110889.	2.7	22
40	Application of SWIR hyperspectral imaging coupled with chemometrics for rapid and non-destructive prediction of Aflatoxin B1 in single kernel almonds. LWT - Food Science and Technology, 2022, 155, 112954.	2.5	22
41	Understanding tourists' collaborative information retrieval behavior to inform design. Journal of the Association for Information Science and Technology, 2015, 66, 2285-2303.	1.5	21
42	Research advancements in optical imaging and spectroscopic techniques for nondestructive detection of mold infection and mycotoxins in cereal grains and nuts. Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 4612-4651.	5.9	21
43	Track Everything: Limiting Prior Knowledge in Online Multi-Object Recognition. IEEE Transactions on Image Processing, 2017, 26, 4669-4683.	6.0	20
44	Academic Team Formulation Based on Liebigâ€™s Barrel: Discovery of Anticask Effect. IEEE Transactions on Computational Social Systems, 2019, 6, 1083-1094.	3.2	20
45	A Survey of Measures for Network Motifs. IEEE Access, 2019, 7, 106576-106587.	2.6	20
46	Detecting Outlier Patterns With Query-Based Artificially Generated Searching Conditions. IEEE Transactions on Computational Social Systems, 2021, 8, 134-147.	3.2	20
47	Motifs in Big Networks: Methods and Applications. IEEE Access, 2019, 7, 183322-183338.	2.6	19
48	Quantifying the impact of scholarly papers based on higher-order weighted citations. PLoS ONE, 2018, 13, e0193192.	1.1	19
49	CHIEF: Clustering With Higher-Order Motifs in Big Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 990-1005.	4.1	18
50	Who are the Rising Stars in Academia?. , 2016, , .		18
51	Video Analysis of Human Gait and Posture to Determine Neurological Disorders. Eurasip Journal on Image and Video Processing, 2008, 2008, 1-12.	1.7	17
52	Tracing the Pace of COVID-19 Research: Topic Modeling and Evolution. Big Data Research, 2021, 25, 100236.	2.6	17
53	Multi-strategy ensemble firefly algorithm with equilibrium of convergence and diversity. Applied Soft Computing Journal, 2022, 123, 108938.	4.1	16
54	Network Lifetime Maximization in Wireless Visual Sensor Networks using a Distributed Algorithm. , 2007, , .		15

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55	Prediction methods and applications in the science of science: A survey. Computer Science Review, 2019, 34, 100197.	10.2	15
56	Author Impact: Evaluations, Predictions, and Challenges. IEEE Access, 2019, 7, 38657-38669.	2.6	15
57	Economic Complexity of the City Cluster in Guangdong–Hong Kong–Macao Greater Bay Area, China. Sustainability, 2020, 12, 5639.	1.6	14
58	Firefly Algorithm Based on Level-Based Attracting and Variable Step Size. IEEE Access, 2020, 8, 58700-58716.	2.6	14
59	Nonparametric Sparse Matrix Decomposition for Cross-View Dimensionality Reduction. IEEE Transactions on Multimedia, 2017, 19, 1848-1859.	5.2	13
60	Team Recognition in Big Scholarly Data: Exploring Collaboration Intensity. , 2017, , .		13
61	Graph-Based Safe Support Vector Machine for Multiple Classes. IEEE Access, 2018, 6, 28097-28107.	2.6	13
62	Optimized Video Multicasting Over Wireless Ad Hoc Networks Using Distributed Algorithm. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 796-807.	5.6	11
63	Measure the Impact of Institution and Paper Via Institution-Citation Network. IEEE Access, 2020, 8, 17548-17555.	2.6	11
64	Centralized P2P Streaming with MDC. , 2005, , .		10
65	API: An Index for Quantifying a Scholar's Academic Potential. IEEE Access, 2019, 7, 178675-178684.	2.6	10
66	Quantifying Success in Science: An Overview. IEEE Access, 2020, 8, 123200-123214.	2.6	10
67	On-Device Saliency Prediction Based on Pseudoknowledge Distillation. IEEE Transactions on Industrial Informatics, 2022, 18, 6317-6325.	7.2	10
68	Centralized Peer-to-Peer Video Streaming Over Hybrid Wireless Network. , 0, , .		9
69	Automated detection of circular marker particles in synchrotron phase contrast X-ray images of live mouse nasal airways for mucociliary transit assessment. Expert Systems With Applications, 2017, 73, 57-68.	4.4	9
70	SimSim: A Service Discovery Method Preserving Content Similarity and Spatial Similarity in P2P Mobile Cloud. Journal of Grid Computing, 2019, 17, 79-95.	2.5	9
71	The quest for better clinical word vectors: Ontology based and lexical vector augmentation versus clinical contextual embeddings. Computers in Biology and Medicine, 2021, 134, 104433.	3.9	9
72	Reliable Video Communication with Multi-Path Streaming Using MDC. , 0, , .		8

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73	Hide Association Rules with Fewer Side Effects. IEICE Transactions on Information and Systems, 2015, E98.D, 1788-1798.	0.4	8
74	Higher-order Structure Based Anomaly Detection on Attributed Networks. , 2021, , .		8
75	Forensic Analysis of DoS Attack Traffic in MANET. , 2010, , .		7
76	Shark detection using optical image data from a mobile aerial platform. , 2010, , .		7
77	Towards a model of collaborative information retrieval in tourism. , 2012, , .		7
78	G-Band Injection-Locked Frequency Dividers Using pi-type LC Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 315-323.	3.5	7
79	An Observation of Research Complexity in Top Universities Based on Research Publications. , 2017, , .		7
80	Quantifying scientific collaboration impact by exploiting collaboration-citation network. Scientometrics, 2021, 126, 7993-8008.	1.6	7
81	Distributed Rate Allocation in P2P Streaming. , 2007, , .		6
82	Multiple particle tracking in time-lapse synchrotron X-ray images using discriminative appearance and neighbouring topology learning. Pattern Recognition, 2019, 93, 485-497.	5.1	6
83	NEAR: Named entity and attribute recognition of clinical concepts. Journal of Biomedical Informatics, 2022, 130, 104092.	2.5	6
84	Adaptive Multi-Path Video Streaming. , 2006, , .		5
85	Layered Clustering for Solar Powered Wireless Visual Sensor Networks. , 2007, , .		5
86	On Prolonging the Lifetime for Wireless Video Sensor Networks. Mobile Networks and Applications, 2010, 15, 575-588.	2.2	5
87	A scalable and adaptive video streaming framework over multiple paths. Multimedia Tools and Applications, 2010, 47, 207-224.	2.6	5
88	A 198.9GHz-to-201.0GHz injection-locked frequency divider in 65nm CMOS. , 2010, , .		5
89	CAR: Incorporating Filtered Citation Relations for Scientific Article Recommendation. , 2015, , .		5
90	Resource Allocation for Energy Harvesting Assisted D2D Communications Underlaying OFDMA Cellular Networks. , 2017, , .		5

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91	Real-World Field Snail Detection and Tracking. , 2018, , .		5
92	Facilitating Collaboration with Laser Projector-Based Spatial Augmented Reality in Industrial Applications. , 2011, , 161-173.		5
93	Centralized Peer-to-Peer Streaming with PFGS Video Codec. Lecture Notes in Computer Science, 2004, , 131-138.	1.0	5
94	Multispectral camera system design for replacement of hyperspectral cameras for detection of aflatoxin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi>B</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mn></mm Computers and Electronics in Agriculture, 2022, 198, 107078.	3.7	5
95	Graph Learning for Fake Review Detection. Frontiers in Artificial Intelligence, 0, 5, .	2.0	5
96	Optimized multi-path routing using dual decomposition for wireless video streaming. , 2007, , .		4
97	Mobile Sink to Track Multiple Targets in Wireless Visual Sensor Networks. , 2008, , .		4
98	Distributed throughput maximization in hybrid-forwarding P2P VoD applications. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	4
99	A Study of Video Coding by Reusing Compressive Sensing Measurements. , 2010, , .		4
100	Chaining Convolution and Correlation in Practice: A Case Study in Visual Tracking. , 2013, , .		4
101	Examining collaborative query reformulation. , 2014, , .		4
102	Weighted hybrid fusion with rank consistency. Pattern Recognition Letters, 2020, 138, 329-335.	2.6	4
103	Fitness and Research Complexity Among Research-Active Universities in the World. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 293-301.	3.2	4
104	Recurrent-DC: A deep representation clustering model for university profiling based on academic graph. Future Generation Computer Systems, 2021, 116, 156-167.	4.9	4
105	Exploring Public Sentiment During COVID-19: A Cross Country Analysis. IEEE Transactions on Computational Social Systems, 2023, 10, 1083-1094.	3.2	4
106	A New Seamless Bitstream Switching Scheme for H.264 Video Adaptation with Enhanced Coding Performance. , 2006, , .		3
107	Sorted Random Matrix for Orthogonal Matching Pursuit. , 2010, , .		3
108	Inter-frame dependency in multiview multi-description video streaming. Journal of Ambient Intelligence and Humanized Computing, 2012, 3, 87-94.	3.3	3

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109	The stitching of aerial videos from UAVs. , 2013, , .		3
110	Backprojection Wiener deconvolution for computed tomographic reconstruction. PLoS ONE, 2018, 13, e0207907.	1.1	3
111	Resource allocation in RF energy harvesting–assisted underlay D2D communication. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3589.	2.6	3
112	Fake Reviewer Group Detection in Online Review Systems. , 2021, , .		3
113	Heterogeneous Graph Learning for Explainable Recommendation over Academic Networks. , 2021, , .		3
114	Robust Graph Neural Networks via Ensemble Learning. Mathematics, 2022, 10, 1300.	1.1	3
115	Wireless video streaming over integrated 3G and WLAN networks. International Journal of Wireless and Mobile Computing, 2007, 2, 314.	0.1	2
116	Relevance Feedback for Distributed Content Based Image Retrieval. , 2009, , .		2
117	Reliability Analysis of a Multiview Multi-description Video Streaming System. , 2010, , .		2
118	Collaborative information retrieval in tourism. , 2012, , .		2
119	Frequency–based image deblurring with periodic point spread function. Electronics Letters, 2014, 50, 1691-1693.	0.5	2
120	Recent Advances in Wireless Visual Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 735674.	1.3	2
121	Face recognition using sparse feature sphere centroid classifier. Electronics Letters, 2014, 50, 1198-1200.	0.5	2
122	Manage the Tradeoff in Data Sanitization. IEICE Transactions on Information and Systems, 2015, E98.D, 1856-1860.	0.4	2
123	Backprojection regularization with weighted ramp filter for tomographic reconstruction. , 2015, 2015, 7039-42.		2
124	Representing arbitrary sensor observations for target tracking in wireless sensor networks. Computers and Electrical Engineering, 2017, 64, 354-364.	3.0	2
125	CRI: Measuring City Infection Risk amid COVID-19. , 2020, , .		2
126	Video Multicast over Wireless Ad Hoc Networks Using Distributed Optimization. , 2007, , 296-305.		2

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127	Substream Allocation in Layered P2P Streaming. , 2006, , .		1
128	From Centralized to Decentralized Video Streaming Using Multiple Descriptions Coding. , 2008, , .		1
129	Distributed Video Streaming over DHT P2P Overlays. , 2009, , .		1
130	Towards Wireless Augmented Reality A Review of its Enabling Technologies. , 2009, , .		1
131	Cloud Computing and Dynamic Resource Allocation for Multimedia Applications. International Journal of Digital Multimedia Broadcasting, 2012, 2012, 1-2.	0.4	1
132	Special issue on wireless multimedia networks and security services. Telecommunication Systems, 2013, 52, 2219-2220.	1.6	1
133	Iterative Weighted DCT-SVD for Compressive Imaging. , 2015, , .		1
134	Mobile robotic active view planning for physiotherapy and physical exercise guidance. , 2015, , .		1
135	Mutual information for enhanced feature selection in visual tracking. Proceedings of SPIE, 2015, , .	0.8	1
136	Multi-linear regression coefficient classifier for recognition. , 2016, , .		1
137	The Effect of Synonym Substitution on Search Results. , 2016, , .		1
138	Multiple mucociliary transit marker tracking in synchrotron X-ray images using the global nearest neighbor method. , 2017, 2017, 1824-1827.		1
139	Detection of Four-Node Motif in Complex Networks. Studies in Computational Intelligence, 2018, , 453-462.	0.7	1
140	An Upstream-Reciprocity-Based Strategy for Academic Social Networks Using Public Goods Game. IEEE Transactions on Computational Social Systems, 2021, 8, 1417-1426.	3.2	1
141	Inter-subband Redundancy Prediction Using Neural Network for Video Coding. Lecture Notes in Computer Science, 2002, , 518-525.	1.0	1
142	Exploring Groups from Heterogeneous Data via Sparse Learning. Lecture Notes in Computer Science, 2013, , 556-567.	1.0	1
143	Predictive Representation Learning in Motif-Based Graph Networks. Lecture Notes in Computer Science, 2019, , 177-188.	1.0	1
144	Neural Architecture Search and Multi-Objective Evolutionary Algorithms for Anomaly Detection. , 2021, , .		1

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145	Mucociliary Transit Assessment Using Automatic Tracking in Phase Contrast X-Ray Images of Live Mouse Nasal Airways. Journal of Medical and Biological Engineering, 2022, 42, 545-554.	1.0	1
146	Image Segmentation using Parallel Self Organizing Tree Map. , 2006, , .		0
147	Circular particle detection using sectored ring mask for synchrotron PCXI images. , 2015, 2015, 7889-92.		0
148	Single Image based Fog Information Estimation for Virtual Objects in A Foggy Scene. , 2019, , .		0
149	More Complex More Productive: Characterizing Top Universities Based on Research Publications. , 2021, , .		0
150	Interleaving and Sparse Random Coded Aperture for Lens-Free Visible Imaging. Advances in Intelligent Systems and Computing, 2014, , 251-261.	0.5	0
151	DINE: A Framework for Deep Incomplete Network Embedding. Lecture Notes in Computer Science, 2019, , 165-176.	1.0	0
152	On the Correlation Between Research Complexity and Academic Competitiveness. Lecture Notes in Computer Science, 2020, , 416-422.	1.0	0
153	Cosine kernel based density peaks clustering algorithm. International Journal of Computing Science and Mathematics, 2020, 12, 1.	0.2	0