

# Dechang Chen

## List of Publications by Year in descending order

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54  
papers

1,014  
citations

759233

12  
h-index

677142

22  
g-index

54  
all docs

54  
docs citations

54  
times ranked

962  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insider Attacker Detection in Wireless Sensor Networks. , 2007, , .		156
2	TPS: a time-based positioning scheme for outdoor wireless sensor networks. , 0, , .		134
3	OPFKA: Secure and efficient Ordered-Physiological-Feature-based key agreement for wireless Body Area Networks. , 2013, , .		95
4	Opportunistic Sensing in Wireless Sensor Networks: Theory and Application. IEEE Transactions on Computers, 2014, 63, 2002-2010.	3.4	85
5	On Detecting Spatial Outliers. Geoinformatica, 2008, 12, 455-475.	2.7	68
6	Secure Communications in Tiered 5G Wireless Networks With Cooperative Jamming. IEEE Transactions on Wireless Communications, 2019, 18, 3265-3280.	9.2	53
7	Developing Prognostic Systems of Cancer Patients by Ensemble Clustering. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-7.	3.0	48
8	Selecting Genes by Test Statistics. Journal of Biomedicine and Biotechnology, 2005, 2005, 132-138.	3.0	46
9	Cooperative jamming for secure communications in MIMO Cooperative Cognitive Radio Networks. , 2015, , .		33
10	Creating Prognostic Systems for Well-Differentiated Thyroid Cancer Using Machine Learning. Frontiers in Endocrinology, 2019, 10, 288.	3.5	27
11	Creating prognostic systems for cancer patients: A demonstration using breast cancer. Cancer Medicine, 2018, 7, 3611-3621.	2.8	26
12	A Secure and Practical Authentication Scheme Using Personal Devices. IEEE Access, 2017, 5, 11677-11687.	4.2	24
13	Maximizing capacity with power control under physical interference model in duplex mode. , 2012, , .		17
14	On an ensemble algorithm for clustering cancer patient data. BMC Systems Biology, 2013, 7, S9.	3.0	17
15	Detecting spatial outliers with multiple attributes. , 0, , .		14
16	An algorithm for expanding the TNM staging system. Future Oncology, 2016, 12, 1015-1024.	2.4	14
17	Expanding the TNM for cancers of the colon and rectum using machine learning: a demonstration. ESMO Open, 2019, 4, e000518.	4.5	14
18	Fault-tolerant target detection in sensor networks. , 0, , .		13

#	ARTICLE	IF	CITATIONS
19	Time-Bounded Essential Localization for Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2013, 21, 400-412.	3.8	13
20	A prognostic system for epithelial ovarian carcinomas using machine learning. Acta Obstetricia Et Gynecologica Scandinavica, 2021, 100, 1511-1519.	2.8	11
21	An Algorithm for Creating Prognostic Systems for Cancer. Journal of Medical Systems, 2016, 40, 160.	3.6	10
22	Gene selection for multiclass prediction of microarray data. , 0, , .		9
23	An examination of TNM staging of melanoma by a machine learning algorithm. , 2012, , .		8
24	Clustering Big Cancer Data by Effect Sizes. , 2017, , .		8
25	Expanding <sc>TNM</sc> for lung cancer through machine learning. Thoracic Cancer, 2021, 12, 1423-1430.	1.9	8
26	Discontinuous Riemannâ€“Hilbert problems for quasilinear degenerate elliptic complex equations of first order. Complex Variables and Elliptic Equations, 2005, 50, 707-718.	0.2	7
27	Creating prognostic systems by the Mann-Whitney parameter. , 2018, , .		6
28	A Clustering-Based Approach to Predict Outcome in Cancer Patients. , 2007, , .		5
29	A Clustering-Based Approach to Predict Outcome in Cancer Patients. , 2007, , .		5
30	A statistical approach for target counting in sensor-based surveillance systems. , 2012, , .		5
31	Secure friend discovery based on encounter history in mobile social networks. Personal and Ubiquitous Computing, 2015, 19, 999-1009.	2.8	5
32	Integrating additional factors into the TNM staging for cutaneous melanoma by machine learning. PLoS ONE, 2021, 16, e0257949.	2.5	5
33	Game Theoretic Analysis of Green Spectrum and Infrastructure Leasing on TV Bands. IEEE Transactions on Vehicular Technology, 2017, 66, 6511-6522.	6.3	4
34	New methods for binary multiplication. International Journal of Computer Mathematics, 2005, 82, 13-22.	1.8	3
35	Using Weighted Differences in Hazards as Effect Sizes for Survival Data. Journal of Statistical Theory and Practice, 2022, 16, 1.	0.5	3
36	Performance of 802.11b Communication Systems in the Presence of Bluetooth Devices. , 2006, , .		2

#	ARTICLE	IF	CITATIONS
37	A Clustering Approach in Developing Prognostic Systems of Cancer Patients. , 2008, , .		2
38	Analysis of an ensemble algorithm for clustering cancer data. , 2012, , .		2
39	Secure Friend Discovery Based on Encounter History in Mobile Social Networks. , 2014, , .		2
40	Latent structure models for the analysis of gene expression data. , 0, , .		1
41	An integrated system for class prediction using gene expression profiling. , 0, , .		1
42	Group Testing in the Development of an Expanded Cancer Staging System. , 2008, , .		1
43	Time-Bounded Essential Localization for Wireless Sensor Networks. , 2010, , .		1
44	When smart grid meets PHEVs: a smart load distribution mechanism in smart grid. Personal and Ubiquitous Computing, 2014, 18, 1917-1928.	2.8	1
45	Treatment utilization patterns for prostate cancer (PCa): An analysis from the National Cancer Database (NCDB).. Journal of Clinical Oncology, 2017, 35, 99-99.	1.6	1
46	Toxicity and tolerability of DA-EPOCH-R for aggressive lymphomas in the elderly: A retrospective cohort study.. Journal of Clinical Oncology, 2020, 38, e20030-e20030.	1.6	1
47	Classification of Proteomic Data with Logistic Kernel Partial Least Squares Algorithm. , 0, , .		0
48	On the relation between dependence and diversity in multiple classifier systems. , 2005, , .		0
49	Mixed boundary value problems for nonlinear elliptic equations of second order with measurable coefficients in high dimensional domains. Complex Variables and Elliptic Equations, 2006, 51, 267-276.	0.8	0
50	Some boundary value problems for nonlinear elliptic equations of second order in high-dimensional domains. Applicable Analysis, 2006, 85, 1011-1023.	1.3	0
51	Predicting Blood-Brain Barrier Penetration by Stochastic Discrimination. , 2008, , .		0
52	Utilizing RSS-ratio for implementing anonymous communications in VANETs (Digest Paper). , 2015, , .		0
53	Effects of PSA screening guidelines on trends of diagnosis and treatment for prostate cancer: Analysis from the National Cancer Data Base (NCDB).. Journal of Clinical Oncology, 2016, 34, 74-74.	1.6	0
54	Baseline eHealth Behaviors of Service Members: A Retrospective, Cross-Sectional Analysis of Patient Portal Use Before the Pandemic. Military Medicine, 0, , .	0.8	0