Frederick Kin Hing Phoa

List of Publications by Year
in descending order

27	163	1307543 7	1199563 12
papers	citations	h-index	g-index

28	28	28	84
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimizing Two-Level Supersaturated Designs Using Swarm Intelligence Techniques. Technometrics, 2016, 58, 43-49.	1.9	31
2	A Swarm Intelligence Based (SIB) method for optimization in designs of experiments. Natural Computing, 2017, 16, 597-605.	3.0	18
3	A Horvitz-type estimation on incomplete traffic accident data analyzed via a zero-inflated Poisson model. Accident Analysis and Prevention, 2020, 134, 105235.	5.7	18
4	A scanning method for detecting clustering pattern of both attribute and structure in social networks. Physica A: Statistical Mechanics and Its Applications, 2016, 445, 295-309.	2.6	16
5	A New Metric for the Analysis of the Scientific Article Citation Network. IEEE Access, 2019, 7, 132027-132032.	4.2	13
6	An Efficient Construction of Confidence Regions via Swarm Intelligence and Its Application in Target Localization. IEEE Access, 2018, 6, 8610-8618.	4.2	9
7	Modeling the Browsing Behavior of World Wide Web Users. Open Journal of Statistics, 2013, 03, 145-154.	0.7	7
8	A multi-objective implementation in swarm intelligence and its applications in designs of computer experiments. , 2016, , .		6
9	Optimal design of fMRI experiments using circulant (almost-)orthogonal arrays. Annals of Statistics, 2017, 45, .	2.6	6
10	Runtime Estimation and Scheduling on Parallel Processing Supercomputers via Instance-Based Learning and Swarm Intelligence. International Journal of Machine Learning and Computing, 2019, 9, 592-598.	0.6	6
11	Focus statistics for testing network centrality on uncorrelated random graphs. Network Science, 2016, 4, 460-473.	1.0	4
12	On the effects of capability and popularity on network dynamics with applications to YouTube and Twitch networks. Physica A: Statistical Mechanics and Its Applications, 2021, 571, 125663.	2.6	4
13	A Smart Initialization on the Swarm Intelligence Based Method for Efficient Search of Optimal Minimum Energy Design. Lecture Notes in Computer Science, 2018, , 78-87.	1.3	4
14	Optimal and efficient designs for functional brain imaging experiments. Journal of Statistical Planning and Inference, 2017, 181, 71-80.	0.6	3
15	A generative model of article citation networks of a subject from a large-scale citation database. Scientometrics, 2021, 126, 7373-7395.	3.0	3
16	A Two-Step Approach to the Search of Minimum Energy Designs via Swarm Intelligence. Lecture Notes in Computer Science, 2020, , 37-45.	1.3	3
17	A two-step deep learning approach to data classification and modeling and a demonstration on subject type relationship analysis in the Web of Science. Scientometrics, 2020, 125, 851-863.	3.0	2
18	A Mixture Model of Truncated Zeta Distributions with Applications to Scientific Collaboration Networks. Entropy, 2021, 23, 502.	2.2	2

#	Article	IF	Citations
19	A Generalized Framework for Detecting Social Network Communities by the Scanning Method. Studies in Computational Intelligence, 2020, , 250-261.	0.9	2
20	Cost-Efficient Mixed-Level Covering Designs for Testing Experiments. Journal of Statistical Theory and Practice, 2020, 14, 1.	0.5	1
21	Metaheuristic Optimization onÂTensor-Type Solution via Swarm Intelligence and Its Application in the Profit Optimization in Designing Selling Scheme. Lecture Notes in Computer Science, 2021, , 72-82.	1.3	1
22	Swarm Intelligence Optimisation Algorithms and Their Applications in a Complex Layer-Egg Supply Chain. Smart Innovation, Systems and Technologies, 2021, , 39-51.	0.6	1
23	Community Detection Under Exponential Random Graph Model: A Metaheuristic Approach. Lecture Notes in Computer Science, 2017, , 87-98.	1.3	1
24	A search of maximum generalized resolution quaternary-code designs via integer linear programming. Statistics and Computing, 2016, 26, 277-283.	1.5	0
25	Traveling Salesman Problem via Swarm Intelligence. Lecture Notes in Computer Science, 2021, , 106-115.	1.3	0
26	Decentralized Supply Chain Optimization viaÂSwarm Intelligence. Lecture Notes in Computer Science, 2022, , 432-441.	1.3	0
27	Interactive tool for clustering and forecasting patterns of Taiwan COVID-19 spread. PLoS ONE, 2022, 17, e0265477.	2.5	0