Frederick Kin Hing Phoa

List of Publications by Year in Descending Order

26 papers	108 citations	6 h-index	9 g-index
28 ext. papers	132 ext. citations	1.9 avg, IF	3.4 L-index

#	Paper	IF	Citations
26	Decentralized Supply Chain Optimization via Swarm Intelligence. *Lecture Notes in Computer Science*, **2022**, 432-441	0.9	
25	Network Community Detection via an Improved Swarm Intelligence Approach. *Lecture Notes in Computer Science*, **2022**, 419-431	0.9	1
24	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	3.3	1
23	A generative model of article citation networks of a subject from a large-scale citation database. *Scientometrics*, **2021**, 126, 7373-7395	3	1
22	Traveling Salesman Problem via Swarm Intelligence. *Lecture Notes in Computer Science*, **2021**, 106-115	0.9	
21	Metaheuristic Optimization on Tensor-Type Solution via Swarm Intelligence and Its Application in the Profit Optimization in Designing Selling Scheme. *Lecture Notes in Computer Science*, **2021**, 72-82	0.9	1
20	Swarm Intelligence Optimisation Algorithms and Their Applications in a Complex Layer-Egg Supply Chain. *Smart Innovation, Systems and Technologies*, **2021**, 39-51	0.5	1
19	A Two-Step Approach to the Search of Minimum Energy Designs via Swarm Intelligence. *Lecture Notes in Computer Science*, **2020**, 37-45	0.9	1
18	A Generalized Framework for Detecting Social Network Communities by the Scanning Method. *Studies in Computational Intelligence*, **2020**, 250-261	0.8	1
17	Cost-Efficient Mixed-Level Covering Designs for Testing Experiments. *Journal of Statistical Theory and Practice*, **2020**, 14, 1	0.5	1
16	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	1
15	A Horvitz-type estimation on incomplete traffic accident data analyzed via a zero-inflated Poisson model. *Accident Analysis and Prevention*, **2020**, 134, 105235	6.1	10
14	A New Metric for the Analysis of the Scientific Article Citation Network. *IEEE Access*, **2019**, 7, 132027-132032	3.5	8
13	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	1.8	3
12	An Efficient Construction of Confidence Regions via Swarm Intelligence and Its Application in Target Localization. *IEEE Access*, **2018**, 6, 8610-8618	3.5	8
11	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	0.9	3
10	A Swarm Intelligence Based (SIB) method for optimization in designs of experiments. *Natural Computing*, **2017**, 16, 597-605	1.3	13

List of Publications

9	Optimal and efficient designs for functional brain imaging experiments. *Journal of Statistical Planning and Inference*, **2017**, 181, 71-80	0.8	3
8	Optimal design of fMRI experiments using circulant (almost-)orthogonal arrays. *Annals of Statistics*, **2017**, 45,	3.2	6
7	Community Detection Under Exponential Random Graph Model: A Metaheuristic Approach. *Lecture Notes in Computer Science*, **2017**, 87-98	0.9	1
6	Optimizing Two-level Supersaturated Designs using Swarm Intelligence Techniques. *Technometrics*, **2016**, 58, 43-49	1.4	23
5	**2016**,		5
4	A search of maximum generalized resolution quaternary-code designs via integer linear programming. *Statistics and Computing*, **2016**, 26, 277-283	1.8	
3	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	3.3	10
2	Focus statistics for testing network centrality on uncorrelated random graphs. *Network Science*, **2016**, 4, 460-473	2.9	1
1	Modeling the Browsing Behavior of World Wide Web Users. *Open Journal of Statistics*, **2013**, 03, 145-154	0.3	5