

Frederick Kin Hing Phoa

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|-------------------|-----------------------|----------------|----------------|
| 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 | Optimizing Two-level Supersaturated Designs using Swarm Intelligence Techniques. <i>Technometrics</i> , 2016 , 58, 43-49 | 1.4 | 23 |
| 25 | A Swarm Intelligence Based (SIB) method for optimization in designs of experiments. <i>Natural Computing</i> , 2017 , 16, 597-605 | 1.3 | 13 |
| 24 | A scanning method for detecting clustering pattern of both attribute and structure in social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 445, 295-309 | 3.3 | 10 |
| 23 | A Horvitz-type estimation on incomplete traffic accident data analyzed via a zero-inflated Poisson model. <i>Accident Analysis and Prevention</i> , 2020 , 134, 105235 | 6.1 | 10 |
| 22 | An Efficient Construction of Confidence Regions via Swarm Intelligence and Its Application in Target Localization. <i>IEEE Access</i> , 2018 , 6, 8610-8618 | 3.5 | 8 |
| 21 | A New Metric for the Analysis of the Scientific Article Citation Network. <i>IEEE Access</i> , 2019 , 7, 132027-132032 | 3.2 | 8 |
| 20 | Optimal design of fMRI experiments using circulant (almost-)orthogonal arrays. <i>Annals of Statistics</i> , 2017 , 45, | 3.2 | 6 |
| 19 | 2016 , | | 5 |
| 18 | Modeling the Browsing Behavior of World Wide Web Users. <i>Open Journal of Statistics</i> , 2013 , 03, 145-154 | 0.3 | 5 |
| 17 | Optimal and efficient designs for functional brain imaging experiments. <i>Journal of Statistical Planning and Inference</i> , 2017 , 181, 71-80 | 0.8 | 3 |
| 16 | Runtime Estimation and Scheduling on Parallel Processing Supercomputers via Instance-Based Learning and Swarm Intelligence. <i>International Journal of Machine Learning and Computing</i> , 2019 , 9, 592-598 | 1.8 | 3 |
| 15 | A Smart Initialization on the Swarm Intelligence Based Method for Efficient Search of Optimal Minimum Energy Design. <i>Lecture Notes in Computer Science</i> , 2018 , 78-87 | 0.9 | 3 |
| 14 | A Two-Step Approach to the Search of Minimum Energy Designs via Swarm Intelligence. <i>Lecture Notes in Computer Science</i> , 2020 , 37-45 | 0.9 | 1 |
| 13 | A Generalized Framework for Detecting Social Network Communities by the Scanning Method. <i>Studies in Computational Intelligence</i> , 2020 , 250-261 | 0.8 | 1 |
| 12 | Community Detection Under Exponential Random Graph Model: A Metaheuristic Approach. <i>Lecture Notes in Computer Science</i> , 2017 , 87-98 | 0.9 | 1 |
| 11 | Cost-Efficient Mixed-Level Covering Designs for Testing Experiments. <i>Journal of Statistical Theory and Practice</i> , 2020 , 14, 1 | 0.5 | 1 |
| 10 | A two-step deep learning approach to data classification and modeling and a demonstration on subject type relationship analysis in the Web of Science. <i>Scientometrics</i> , 2020 , 125, 851-863 | 3 | 1 |

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| 9 | On the effects of capability and popularity on network dynamics with applications to YouTube and Twitch networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 571, 125663 | 3.3 | 1 |
| 8 | A generative model of article citation networks of a subject from a large-scale citation database. <i>Scientometrics</i> , 2021 , 126, 7373-7395 | 3 | 1 |
| 7 | Focus statistics for testing network centrality on uncorrelated random graphs. <i>Network Science</i> , 2016 , 4, 460-473 | 2.9 | 1 |
| 6 | Metaheuristic Optimization on Tensor-Type Solution via Swarm Intelligence and Its Application in the Profit Optimization in Designing Selling Scheme. <i>Lecture Notes in Computer Science</i> , 2021 , 72-82 | 0.9 | 1 |
| 5 | Swarm Intelligence Optimisation Algorithms and Their Applications in a Complex Layer-Egg Supply Chain. <i>Smart Innovation, Systems and Technologies</i> , 2021 , 39-51 | 0.5 | 1 |
| 4 | Network Community Detection via an Improved Swarm Intelligence Approach. <i>Lecture Notes in Computer Science</i> , 2022 , 419-431 | 0.9 | 1 |
| 3 | A search of maximum generalized resolution quaternary-code designs via integer linear programming. <i>Statistics and Computing</i> , 2016 , 26, 277-283 | 1.8 | |
| 2 | Traveling Salesman Problem via Swarm Intelligence. <i>Lecture Notes in Computer Science</i> , 2021 , 106-115 | 0.9 | |
| 1 | Decentralized Supply Chain Optimization via Swarm Intelligence. <i>Lecture Notes in Computer Science</i> , 2022 , 432-441 | 0.9 | |