

## **2022**

- [1] Xiao Liu, Xiaolong Zou, Zilong Ji, Gengshuo Tian, Yuanyuan Mi, Tiejun Huang, K. Y. Michael Wong, and Si Wu, “Neural Feedback Facilitates Rough-to-fine Information Retrieval”, *Neural Networks*, online (2022).

## **2021**

- [1] Zijian Zhang, Jianwen Zhou, Haiping Huang, Tianqi Hou, and K. Y. Michael Wong, “Associative Memory Model with Arbitrary Hebbian Length”, *Phys. Rev. E* **104**, 064306 (2021).
- [2] Jianwen Zhou, Zijian Jiang, Ziming Chen, Haiping Huang, Tianqi Hou, and K. Y. Michael Wong, “Eigenvalue Spectrum of Neural Networks with Arbitrary Hebbian Length”, *Phys. Rev. E* **104**, 064307 (2021).
- [3] Yue Li, Jiale Chen, Tony C. T. Wong, Tsz Hong Kwok, T. S. Choi, and K. Y. Michael Wong, “Latency Prediction of Traffic Data Improved by Input-Output Dependent Pre-Clustering”, *Proceedings of the 25th International Conference of Hong Kong Society for Transportation Studies (HKSTS)*, 9-10 December 2021, Hong Kong, 340-348 (2021).

## **2020**

- [1] K. Y. Henry Tsang and K. Y. Michael Wong, “Bandwidth Allocation and Resource Adjustment for Stability Enhancement in Complex Networks”, *J. Stat. Mech.* 033405 (2020).
- [2] Wun Kwan Yam, Kin Long Fong, Juntao Wang, Siew Ann Cheong, and K. Y. Michael Wong, “Intrinsic Quasi-Periodicity in Hong Kong Housing Price and Its Prediction”, *New Mathematics and Natural Computation* **16**:03, 645 - 655 (2020).
- [3] Kwong Tai Siu, Yulin Xu, Yee Man Tai, Tat Shing Choi, K. Y. Michael Wong, and Kiwing To, “Switching Behavior and Controlling Policy of Congestion: Examples from Taiwan Highway System”, *New Mathematics and Natural Computation* **16**:03, 657 - 667 (2020).

## **2019**

- [1] Wen-Hao Zhang, He Wang, Aihua Chen, Yong Gu, Tai Sing Lee, K. Y. Michael Wong, and Si Wu, “Complementary Congruent and Opposite Neurons Achieve Concurrent Multisensory Integration and Segregation”, *eLife* 43753 (2019).
- [2] Tianqi Hou, K. Y. Michael Wong, and Haiping Huang, “Minimal Model of Permutation Symmetry in Unsupervised Learning”, *J. Phys. A: Math. Theor.* **52**, 414001 (2019).
- [3] Bat-Amgalan Bat-Erdene, He Wang, and K. Y. Michael Wong, “Modular Multilayer Neural Networks Integrate Multisensory Information Near-optimally”, *Int. Joint Conf. Neural Networks (IJCNN 2019)*, 14-19 July 2019, Budapest, Hungary (2019).
- [4] Ming Tony Shing, and K. Y. Michael Wong, “Optimal Route Planning for Probabilistic Landscape Exploration”, *Proceedings of the 5th International Conference on Data Science (ICDATA’19)*, 29 July-1 August 2019, Las Vegas, USA, 21-27 (2019).

- [5] Tianqi Hou, K. Y. Michael Wong, and Haiping Huang, “Minimal Model of Permutation Symmetry in Unsupervised Learning”, *J. Phys. A: Math. Theor.* **52**, 414001 (2019).
- [6] Xiangyu Ma, He Wang, Min Yan, Wenhao Zhang, and K. Y. Michael Wong, “Bayesian Model for Multisensory Integration and Segregation”, 2019 Conference on Cognitive Computational Neuroscience (CCN 2019), 13-16 September 2019, Berlin, Germany (2019).
- [7] Tsz Hong Kwok, Yulin Xu, Tony C .T. Wong, T. S. Choi, and K. Y. Michael Wong, “Latency Prediction Based on Real Time Data in The Taiwan Highway System”, Proceedings of the 24th International Conference of Hong Kong Society for Transportation Studies (HKSTS), 14-16 December 2019, Hong Kong (2019).
- [8] Xiao Liu, Xiaolong Zou, Zilong Ji, Gengshuo Tian, Yuanyuan Mi, Tiejun Huang, K. Y. Michael Wong, and Si Wu, “Push-pull Feedback Implements Hierarchical Information Retrieval Efficiently”, *Advances in Neural Information Processing Systems* **32** (NIPS 2019), 5701-5710 (2019).

## **2018**

- [1] Jing Liang, Jiajun Liang, Ka Lun Leung, Ho Ting Fung, Yumian Su, Kwok Yee Michael Wong, Iam Keong Sou, and Carrie Wing Yan Law. “Reflected Diffraction of Aligned One-Dimensional Structures”, *American Journal of Physics* **86**, 690-700 (2018).
- [2] C. P. Chiu and K. Y. Michael Wong, “Tuning the Layers of Neural Networks for Robust Generalization”, *Int. Conf. Data Science (ICDATA’18)*, July 2018, Las Vegas, USA, 208-213 (2018).
- [3] Min Yan, Yiko Chen, C. K. Chan, and K. Y. Michael Wong, “Modelling Predictive Information of Stochastic Dynamics in the Retina”, 25<sup>th</sup> Int. Conf. Neural Information Processing (ICONIP 2018), 13-16 December 2018, Lecture Notes in Computer Science, L. Cheng et al. (Eds.) **11307**, 246–257 (2018).
- [4] Juntao Wang, Wun Kwan Yam, Kin Long Fong, Siew Ann Cheong, and K. Y. Michael Wong, “Gaussian Process Kernels for Noisy Time Series: Application to Housing Price Prediction”, 25<sup>th</sup> Int. Conf. Neural Information Processing (ICONIP 2018), 13-16 December 2018, Lecture Notes in Computer Science, L. Cheng et al. (Eds.) **11306**, 78-89 (2018).
- [5] He Wang, Wen-Hao Zhang, K. Y. Michael Wong, and Si Wu, “Antagonistic Cross-links and Reciprocal Couplings Emerge in Optimal Multisensory Integration”, 2018 Conference on Cognitive Computational Neuroscience (CCN 2018), 5-8 September 2018, Philadelphia, USA (2018).
- [6] K. Y. Henry Tsang, Bo Li, and K. Y. Michael Wong, “Enhancing Synchronization Stability in Complex Networks with Probabilistic Natural Frequencies”, *Complex networks and their applications VII: Volume 1, Proceedings The 7th International Conference on Complex Networks and Their Applications (COMPLEX NETWORKS 2018)*, L. M. Aiello et al. (Eds.) 854-865 (2018).

## **2017**

- [1] Bo Li and K. Y. Michael Wong, “Optimizing Synchronization Stability of the Kuramoto Model in Complex Networks and Power Grids”, *Phys. Rev. E* **95**, 012207 (2017).

- [2] He Wang, Wen-Hao Zhang, K. Y. Michael Wong, and Si Wu, “Encoding Multisensory Information in Modular Neural Networks”, The 24<sup>th</sup> International Conference on Neural Information Processing (ICONIP 2017), Guangzhou, 14-18 November 2017, Lecture Notes in Computer Science **10637**, D. Liu et al (eds) (Springer), 658-665 (2017).
- [3] He Wang, Wen-Hao Zhang, K. Y. Michael Wong, and Si Wu, “How the Prior Information Shapes Neural Networks for Optimal Multisensory Integration”, Advances in Neural Networks – ISNN 2017, The 14<sup>th</sup> International Symposium on Neural Networks (ISNN 2017), Sapporo, Hakodate, and Muroran, Hokkaido, Japan, 21-26 June 2017, 128.
- [4] Min Yan, Wen-Hao Zhang, He Wang, and K. Y. Michael Wong, “The Dynamics of Bimodular Continuous Attractor Neural Networks with Moving Stimuli”, The 24<sup>th</sup> International Conference on Neural Information Processing (ICONIP 2017), Guangzhou, 14-18 November 2017, Lecture Notes in Computer Science **10637**, D. Liu et al (eds) (Springer), 648-657 (2017).
- [5] Xiaolong Zou, Zilong Ji, Xiao Liu, Yuanyuan Mi, K. Y. Michael Wong, and Si Wu, “Learning a Continuous Attractor Neural Network from Real Images”, The 24<sup>th</sup> International Conference on Neural Information Processing (ICONIP 2017), Guangzhou, 14-18 November 2017, Lecture Notes in Computer Science **10637**, D. Liu et al (eds) (Springer), 622-631 (2017).
- [6] Ho Fai Po, Chi Ho Yeung, An Zeng, and K. Y. Michael Wong, “Evolving Powergrids with Self-organized Intermittent Strain Releases: An analogy with Sandpile Models and Earthquakes”, Phys. Rev. E **96**, 052312 (2017).

## **2016**

- [1] Sheng-Jun Wang, Guang Ouyang, Jing Guang, Mingsha Zhang, K. Y. Michael Wong, and Changsong Zhou, “Stochastic Oscillation in Self-Organized Critical States of Small Systems: Sensitive Resting State in Neural Systems”, Phys. Rev. Lett. **116**, 018101 (2016).
- [2] Si Wu, K. Y. Michael Wong, C. C. Alan Fung, Yuanyuan Mi, Wenhao Zhang, “Continuous Attractor Neural Networks: Candidate of a Canonical Model for Neural Information Representation”, F1000Research 2016, 5(F1000 Faculty Rev):156 (2016).
- [3] Elizabeth Harrison, David Saad, and K. Y. Michael Wong, “Optimal Load Shedding in Electricity Grids with Renewable Sources via Message Passing”, The 3<sup>rd</sup> International Conference on Energy and Environment Research, Barcelona, Spain, 7-11 September, 2016 (2016).
- [4] E. Harrison, D. Saad, and K. Y. Michael Wong, “Message Passing for Distributed Optimisation of Power Allocation with Renewable Resources”, Proceedings of the 2nd International Conference on Intelligent Green Building and Smart Grid (IGBSG), IEEE (2016). Prague, Czech Republic, 27-29 June 2016 (2016).
- [5] E. Harrison, D. Saad, and K. Y. Michael Wong, “Power Grids with Volatile Sources - Message Passing for Optimising Electricity Distribution and Load Shedding”, International Conference on Offshore Renewable Energy - CORE 2016, 12-14 September 2016, Glasgow (2016).
- [6] E. Harrison, D. Saad, and K. Y. Michael Wong, “Optimal Distribution in Smart Grids with Volatile Renewable Sources Using a Message Passing Algorithm”, International Journal of Smart Grid and Clean Energy **5**, 221-228 (2016).

- [7] K. Y. Michael Wong, David Saad, and Chi Ho Yeung, “Distributed Optimization in Transportation and Logistics Networks”, Invited Paper, Special Section on Deepening and Expanding of Information Network Science, IEICE Transactions on Communications **E99B**, 2237-2246 (2016).
- [8] Wenhao Zhang, He Wang, K. Y. Michael Wong, and Si Wu, ““Congruent” and “Opposite” Neurons: Sisters for Multisensory Integration and Segregation”, Neural Information Processing Systems **29**, D. D. Lee, M. Sugiyama, U. V. Luxburg, I. Guyon and R. Garnett (eds.), 3180-3188 (Curran Associates, 2016).

## **2015**

- [1] C. C. Alan Fung, K. Y. Michael Wong, Hongzi Mao, and Si Wu, “Fluctuation-Response Relation Unifies Dynamical Behaviors in Neural Fields”, Phys. Rev. E **92**, 022801 (2015). arXiv:1409.2114
- [2] He Wang, Kin Lam, C. C. Alan Fung, K. Y. Michael Wong, and Si Wu, “Rich Spectrum of Neural Field Dynamics in the Presence of Short-Term Synaptic Depression”, Phys. Rev. E **92**, 032908 (2015) arXiv:1502.03662
- [3] Bin Li, K. Y. Michael Wong, Amos H. M. Chan, Tsz Yan So, Hermann Heimomen, and David Saad, “Commodity Prices Rise Sharply at Turning Points”, arXiv:1508.03677 (2015).
- [4] Bo Li, K. Y. Michael Wong and Chi Ho Yeung, “Optimal Facility Location with Message Passing Algorithm”, 2015 International Symposium on Nonlinear Theory and its Applications, Kowloon, Hong Kong, China, December 1-4, 2015, 958-961 (2015).
- [5] Min Yan and K. Y. Michael Wong, “The Dynamics of Two-Layer Continuous Attractor Neural Network Model With Moving Stimulus”, 2015 International Symposium on Nonlinear Theory and its Applications, Kowloon, Hong Kong, China, December 1-4, 2015, 393-396 (2015).
- [6] He Wang, Kin Lam, C. C. Alan Fung, K. Y. Michael Wong, and Si Wu, “How Short-Term Synaptic Depression Reshapes Dynamics of Continuous Attractor Neural Networks”, 2015 International Symposium on Nonlinear Theory and its Applications, Kowloon, Hong Kong, China, December 1-4, 2015, 333-336 (2015).
- [7] Kim Minsam and K. Y. Michael Wong, “Modelling Optical Illusions from Radially Periodic Images”, 2015 International Symposium on Nonlinear Theory and its Applications, Kowloon, Hong Kong, China, December 1-4, 2015, 397-400 (2015).
- [8] Sheng-Jun Wang, K. Y. Michael Wong, and Changsong Zhou, “Sensitive Stochastic Oscillation in Self-Organized Critical States of Small Neural Systems”, 2015 International Symposium on Nonlinear Theory and its Applications, Kowloon, Hong Kong, China, December 1-4, 2015, 321-324 (2015).
- [9] Wen-hao Zhang, K.Y. Michael Wong, Malte J. Rasch, and Si Wu, “A Decentralized Architecture for Multisensory Neural Information Integration”, 2015 International Symposium on Nonlinear Theory and its Applications, Kowloon, Hong Kong, China, December 1-4, 2015, 325-328 (2015).
- [10] Yue Wei, Beisheng Bao, Richard Hau Yue So, Michael Kwok Yee Wong, “Heading Discrimination Thresholds and Lateral Heading Detection Thresholds When Exposed to Low-frequency Linear Motion”, Proceedings of the Human Factors and Ergonomics

Society Annual Meeting, 26-30 October 2015 Los Angeles, California, US, 1341-1345 (2015).

## **2014**

- [1] Haiping Huang, Jack Raymond and K. Y. Michael Wong, “The network source location problem: ground state energy, entropy and effects of freezing”, J. Stat. Phys. **156**, 301-335 (2014).
- [2] Chi Ho Yeung, K. Y. Michael Wong, and Bo Li, “Coverage versus Supply Cost in Facility Location: Physics of Frustrated Spin Systems”, Phys. Rev. E **89**, 062805 (14 pages) (2014).
- [3] Yuanyuan Mi, Yan Xia, C. C. Alan Fung, K. Y. Michael Wong, and Si Wu, “Spike Frequency Adaptation Implements Anticipative Tracking in Continuous Attractor Neural Networks”, Advances in Neural Information Processing Systems, accepted **27**, Z. Ghahramani, M. Welling, C. Cortes, N.D. Lawrence and K.Q. Weinberger (eds.), 505-513 (2014).

## **2013**

- [1] Chi Ho Yeung, David Saad and K. Y. Michael Wong, “From the Physics of Interacting Polymers to Optimizing Routes on the London Underground”, Proc. Natl. Acad. Sci. USA, 2013 Aug 20;110(34):13717-22.
- [2] C. C. Alan Fung, He Wang, Kin Lam, K. Y. Michael Wong and Si Wu, “Resolution enhancement in neural networks with dynamical synapses”, Front. Comput. Neurosci. **7**, Article 73, 1-14 (2013).
- [3] Haiping Huang, K. Y. Michael Wong and Yoshiyuki Kabashima, “Entropy landscape of solutions in the binary perceptron”, J. Phys. A: Math. Theor. **46** (2013) 375002 (18 pp).
- [4] Haiping Huang, K. Y. Michael Wong and Yoshiyuki Kabashima, “Clustering and Freezing in the solution space of the binary perceptron”, Insights - J. Phys. A: Math. Theor. Insights, Sep 26 2013.
- [5] Si Wu, K. Y. Michael Wong and Misha Tsodyks, “Neural information processing with dynamical synapses”, Editorial Article, Front. Comput. Neurosci. **7**, Article 188, 1 (2013).

## **2012**

- [1] Jack Raymond and K. Y. Michael Wong, “Next Nearest Neighbor Ising Models on Random Graphs”, J. Stat. Mech. P09007 (2012). [arXiv:1206.4270](https://arxiv.org/abs/1206.4270)
- [2] C. C. Alan Fung, K. Y. Michael Wong, He Wang, and Si Wu, “Dynamical Synapses Enhance Neural Information Processing: Gracefulness, Accuracy, and Mobility”, Neural Computation **24**, 1147-1185 (2012). [arXiv:1104.0305](https://arxiv.org/abs/1104.0305)
- [3] C. C. Alan Fung, K. Y. Michael Wong and Si Wu, “Dynamical Synapses Enhances Mobility, Memory and Decoding”, Advances in Cognitive Neurodynamics (III) (Springer, 2012).

## **2011**

- [1] Yi Peng, Feng Wang, K. Y. Michael Wong and Yilong Han, “Self-similarity of phase-space networks of frustrated spin models and lattice gas models”, *Phys. Rev. E* **84**, 051105 (8 pages) (2011).
- [2] W. Y. Cheung and K. Y. Michael Wong, Price Trends in a Simplified Model of the Wealth Game (2011). [arXiv:0910.5549](#)

## **2010**

- [1] C. C. Alan Fung, K. Y. Michael Wong, and Si Wu, “A Moving Bump in a Continuous Manifold: A Comprehensive Study of the Tracking Dynamics of Continuous Attractor Neural Networks”, *Neural Computation* **22**, 752-792 (2010). [arXiv:0808.2341](#)
- [2] C. H. Yeung and K. Y. Michael Wong, “Self-Organization of Balanced Nodes in Random Networks with Transportation Bandwidths”, *Eur. Phys. J. B* **74**, 227-233 (2010). [arXiv:0907.4366](#)
- [3] C. H. Yeung and K. Y. Michael Wong, “Optimal Location of Sources in Transportation Networks”, *J. Stat. Mech.*, P04017 (38 pages) (2010). [arXiv:1001.4060](#)
- [4] C. H. Yeung and K. Y. Michael Wong, “Clusters of Resource Consuming Nodes in Transportation Networks”, *Proceedings of the International Workshop on Statistical-Mechanics Informatics*, March 7-10 2010, Kyoto, Japan (10 pages); *Journal of Physics: Conference Series* **233**, 012009 (10 pages) (2010).
- [5] C. C. Alan Fung, K. Y. Michael Wong, He Wang, and Si Wu, “Attractor Dynamics with Synaptic Depression”, *Advances in Neural Information Processing Systems* **23**, edited by J. Lafferty, C. K. I. Williams, J. Shawe-Taylor, R.S. Zemel, A. Culotta, 640-648 (2010). [arXiv:1009.2290](#)

## **2009**

- [1] C. C. Alan Fung, K. Y. Michael Wong, and Si Wu, “Tracking Changing Stimuli in Continuous Attractor Neural Networks”, *Advances in Neural Information Processing Systems* **21**, edited by D. Koller, D. Schuurmans, Y. Bengio, and L. Bottou, 481-488 (Curran Associates, 2009). [PDF file](#)
- [2] C. H. Yeung and K. Y. Michael Wong, “Self-Organized Balanced Resources in Random Networks with Transportation Bandwidths”, *Proceedings of Complex 2009*, 23-25 February 2009, Shanghai, Complex Sciences, Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering **4**, Part 1, 806-818 (Springer, Berlin, 2009).
- [3] C. H. Yeung and K. Y. Michael Wong, “Optimal Resource Allocation in Random Networks with Transportation Bandwidths”, *J. Stat. Mech.*, P03029 (29 pages) (2009). [arXiv:0808.3364](#)
- [4] C. H. Yeung and K. Y. Michael Wong, “Emergence of Algorithmically Hard Phases in Transportation Networks”, *Proceedings of PHYSCOMNET 2009*, 27 June 2009, Seoul (5 pages) (2009).
- [5] C. H. Yeung and K. Y. Michael Wong, “Phase Transitions in Transportation Networks with Nonlinearities”, *Phys. Rev. E* **80**, 021102 (4 pages) (2009). [arXiv:0901.0397](#)

- [6] C. C. Alan Fung, K. Y. Michael Wong, and Si Wu, “Tracking Dynamics of Two-Dimensional Continuous Attractor Neural Networks”, *Journal of Physics: Conference Series* **197**, 012017 (10 pages) (2009). [arXiv:0910.1520](#)

## **2008**

- [1] C. H. Yeung, K. Y. Michael Wong, and Y.-C. Zhang, “Models of Financial Markets with Extensive Participation Incentives”, *Phys. Rev. E* **77**, 026107 (2008). [arXiv:0708.0209](#)
- [2] H. M. Yang, Y. S. Ting, and K. Y. Michael Wong, “Effects of Payoff Functions and Preference Distributions in an Adaptive Population”, *Phys. Rev. E* **77**, 031116 (2008). [arXiv:0706.3122](#)
- [3] K. Y. Michael Wong, D. Saad, and C. H. Yeung, “Network Optimisation – A Statistical Physics Perspective”, *PHYSCOMNET 2008, The First Workshop on Physics-Inspired Paradigms in Wireless Communications and Networks*, 4 April, 2008, Berlin (2008).
- [4] K. Y. Michael Wong and D. Saad, “Minimizing Unsatisfaction in Colourful Neighbourhoods”, *J. Phys. A: Math. Theor.* **41**, 324023 (2008). [arXiv:0704.3835](#)
- [5] C. C. Alan Fung, K. Y. Michael Wong, and Si Wu, “Dynamics of Neural Networks with Continuous Attractors”, *Europhys. Lett.* **84**, 18002 (2008). [arXiv:0801.4461](#)

## **2007**

- [1] C. H. Yeung, Y. P. Ma, and K. Y. Michael Wong, “Stable Aggregates in the Dynamics of a Competing Population”, *J. Korean Phys. Soc.* **50**, 196-200 (2007).
- [2] K. H. Lee and K. Y. Michael Wong, “Antipersistent Effects in the Dynamics of a Competing Population”, *J. Korean Phys. Soc.* **50**, 280-284 (2007). [arXiv:condmat/0608716](#)
- [3] H. M. Yang, Y. S. Ting, and K. Y. Michael Wong, “Cascades of Dynamical Transitions in an Adaptive Population”, *J. Korean Phys. Soc.* **50**, 295-299 (2007). [arXiv:physics/0609230](#)
- [4] C. H. Yeung, Y. P. Ma, and K. Y. Michael Wong, “Epoch Lifetimes in the Dynamics of a Competing Population”, *Int. J. Mod. Phys. B* **21**, 4048-4053 (2007).
- [5] K. Y. Michael Wong and D. Saad, “Inference and Optimization of Real Edges on Sparse Graphs - A Statistical Physics Perspective”, *Phys. Rev. E* **76**, 011115 (22 pages) (2007). [arXiv:cond-mat/0609367](#)

## **2006**

- [1] T. C. Chau, K. Y. Michael Wong and B. Li, “Optimal Call Admission Control with QoS Guarantee in a Voice/Data Integrated Cellular Network”, *IEEE Trans.on Wireless Communications* **5**, 1133-1141 (2006).
- [2] K. Y. Michael Wong, D. Saad, and Z. Gao, “Message Passing for Task Redistribution on Sparse Graphs”, *Advances in Neural Information Processing Systems* **18**, edited by Y. Weiss, B. Schölkopf and J. Platt (MIT Press, Cambridge, 2006) 1529-1536.
- [3] C. H. Yeung and K. Y. Michael Wong, “Temporal Effects of Agent Aggregation in the Dynamics of Multiagent Systems”, *Europhys. Lett.* **75**, 357-363 (2006). [arXiv:physics/0509185](#)
- [4] K. Y. Michael Wong and D. Saad, “Equilibration through Local Information Exchange in Networks”, *Phys. Rev. E* **74**, 010104(R) (4 pages) (2006). [arXiv:cond-mat/0509794](#)

- [5] K. Y. Michael Wong, C. H. Yeung, and D. Saad, “Message Passing for Inference and Optimization of Real Variables on Sparse Graphs”, *Lecture Notes in Computer Science* **4233** – ICONIP2006, Hong Kong, October 2006. Proceedings, Part II, edited by I. King *et al* (Springer-Verlag, Berlin, 2006), 754-763.

## **2005**

- [1] K. Y. Michael Wong, S. W. Lim and Z. Gao, “Multi-agent Cooperation in Diverse Population Games”, *Advances in Neural Information Processing Systems* **17**, edited by L. K. Saul, Y. Weiss and L. Bottou, (MIT Press, Cambridge, 2005) 1521-1528.
- [2] K. Y. Michael Wong, S. W. Lim and Z. Gao, “Cooperating Agents in the Minority Game”, *Prog. Theor. Phys. Suppl.* **157**, 221-228 (2005).
- [3] Z. Gao and K. Y. Michael Wong, “Variational Bayesian Approach to Support Vector Regression”, *Prog. Theor. Phys. Suppl.* **157**, 284-287 (2005).
- [4] K. Y. Michael Wong, S. W. Lim and Z. Gao, “Effects of Diversity on Multiagent Systems: Minority Games”, *Phys. Rev. E* **71**, 066103 (18 pages) (2005). [arXiv:cond-mat/0501333](https://arxiv.org/abs/cond-mat/0501333)
- [5] Z. Gao and K. Y. Michael Wong, “Smooth Performance Landscapes of the Variational Bayesian Approach”, *Lecture Notes in Computer Science* **3697**, Artificial Neural Networks: Biological Inspirations – ICANN 2005: 15<sup>th</sup> International Conference, Warsaw, Poland, September 11-15, 2005. Proceedings, Part II, edited by W. Duch, J. Kacprzyk, E. Oja *et al* (Springer-Verlag, Berlin, 2005) 241-246.

## **2004**

- [1] K. Y. Michael Wong, Y. Keung, C. Li and B. Li, “Dynamic Call Admission Control with Connection Level Service Guarantee in Multi-service Wireless Cellular Networks”, Proceedings of the IEEE International Conference on Communications (ICC 2004), 20-24 June 2004, Paris, Vol. 7, 4248-4252 (2004).
- [2] K. Y. Michael Wong, S. W. Lim and Z. Gao, “Dynamical Mechanisms of Adaptation in Multiagent Systems”, *Phys. Rev. E* **70**, 025103(R) (4 pages) (2004). [arXiv:cond-mat/0310607](https://arxiv.org/abs/cond-mat/0310607)
- [3] K. Y. Michael Wong, S. W. Lim and P. Luo, “Diversity and Adaptation in Large Population Games”, *Int. J. Mod. Phys. B* **18**, 2422-2431 (2004). [arXiv:cond-mat/0308061](https://arxiv.org/abs/cond-mat/0308061)

## **2003**

- [1] B. Wu, K. Y. Michael Wong and D. Bodoff, “Mean Field Approach to a Probabilistic Model in Information Retrieval”, *Advances in Neural Information Processing Systems* **15**, edited by S. Becker, S. Thrun and K. Obermeyer, (MIT Press, Cambridge, 2003) 513-520.
- [2] P. Luo and K. Y. Michael Wong, “Dynamical and Stationary Properties of Online Learning from Finite Training sets”, (13 pages), *Phys. Rev. E* **67**, 011906 (2003). [arXiv:cond-mat/0208578](https://arxiv.org/abs/cond-mat/0208578)
- [3] K. Y. Michael Wong, P. Luo and F. Li, “Dynamics of Gradient-based Learning and Applications to Hyperparameter Estimation”, *Intelligent Data Engineering and Automated Learning*, Proceedings of the 4<sup>th</sup> International Conference, IDEAL 2003, Hong Kong, March 2003, edited by J. Liu, Y. Cheung and H. Yin, *Lecture Notes in Computer Science* **2690**, 369-376 (Springer, Berlin, 2003).

- [4] S. W. Lim, K. Y. Michael Wong and P. Luo, "Agent-based Modeling of Efficient Markets", *Intelligent Data Engineering and Automated Learning*, Proceedings of the 4<sup>th</sup> International Conference, IDEAL 2003, Hong Kong, March 2003, edited by J. Liu, Y. Cheung and H. Yin, *Lecture Notes in Computer Science* **2690**, 27-34 (Springer, Berlin, 2003).
- [5] D. Bodoff, B. Wu and K. Y. Michael Wong, "Relevance Data for Language Models Using Maximum Likelihood", *Journal of the American Society for Information Science and Technology*, vol. 54, no. 11, 1050-1061 (2003).
- [6] K. Y. Michael Wong and F. Li, "Green's Function Approach to Global Parameter Estimation in Information Processing", *International Symposium on Frontiers of Science - in Celebration of the 80th Birthday of C. N. Yang*, 17 to 19 June 2002, Tsinghua University (2003); *Mod. Phys. Lett. B* **17**, 949-954 (2003).
- [7] P. Luo and K. Y. Michael Wong, "A Unified Framework for Dynamics of Online and Batch Learning: Biased Examples", Proceedings of the 13<sup>th</sup> International Conference on Artificial Neural Networks – 10<sup>th</sup> International Conference on Neural Information Processing (ICANN/ICONIP 2003), 26-29 June 2003, Istanbul (2003).
- [8] S. W. Lim, K. Y. Michael Wong and P. Luo, "Multi-agent Modeling of Distributed Control", *Proceedings of the Second International Conference on Computational Intelligence, Robotics and Autonomous Systems (CIRAS'2003)*, 15-18 December 2003, Singapore, edited by P. Vadakkepat, T. W. Wan, T. K. Chen and L. A. Poh, PS02-2-02 (6 pages) (2003).

## **2002**

- [1] K. Y. Michael Wong and F. Li, "Fast Parameter Estimation Using Green's Functions", *Advances in Neural Information Processing Systems* **14**, edited by Z. Ghahramani, (MIT Press, Cambridge, 2002) 535-542.
- [2] S. Wu, K. Y. Michael Wong and B. Li, "A Dynamic Call Admission Policy with Precision QoS Guarantee Using Stochastic Control for Mobile Wireless Networks", *IEEE/ACM Trans. on Networking* **10**, 257-271 (2002).
- [3] S. Wu and K. Y. Michael Wong, "Neural Networks: Techniques and Applications in Telecommunications Systems", *Intelligent Systems: Techniques and Applications, International Theme Volumes*, edited by C. T. Leondes, **II-339-II-372** (CRC Press, Carlsbad, 2002).
- [4] T. C. Chau, K. Y. Michael Wong and B. Li, "Optimizing Call Admission Control with QoS Guarantee in a Voice/Data Integrated Cellular Network Using Simulated Annealing", *Globecom* (2002).
- [5] P. Luo and K. Y. Michael Wong, "Online Learning with Recycled Examples: A Cavity Analysis", *Proceedings of the 9<sup>th</sup> International Conference on Neural Information Processing (ICONIP'02)*, 18-22 November 2002, Singapore, edited by L. Wang, J. C. Rajapakse, K. Fukushima, S. Y. Lee and X. Yao, vol. 3, 1341-1345 (2002).

## **2001**

- [1] B. Li, L. Yin, K. Y. Michael Wong and S. Wu, "An Efficient and Adaptive Bandwidth Allocation Scheme for Mobile Wireless Networks Using An On-line Local Estimation Technique", *ACM/Baltzer Wireless Networks (WINET)* **7**, 107-116 (2001).

- [2] K. Y. Michael Wong, S. Li and P. Luo, “Mean-field Theory of Learning: From Dynamics to Statics”, *Advanced Mean Field Methods: Theory and Practice*, edited by M. Oppen and D. Saad (MIT Press, Cambridge, 2001) 99-117. [arXiv:cond-mat/0006251](https://arxiv.org/abs/cond-mat/0006251)
- [3] K. Y. Michael Wong and H. Nishimori, “Stagewise Processing in Error-correcting Codes and Image Restoration”, *Advances in Neural Information Processing Systems* **13**, edited by V. Tresp, (MIT Press, Cambridge, 2001) 343-349.
- [4] K. Y. Michael Wong and F. Li, “Optimization of Output Load in a Junction Model”, *J. Phys. A* **34**, L635-L642 (2001).
- [5] P. Luo and K. Y. Michael Wong, “Cavity Approach to Noisy Learning in Nonlinear Perceptrons” (13 pages), *Phys. Rev. E* **64**, 061912 (2001). [arXiv:cond-mat/0107405](https://arxiv.org/abs/cond-mat/0107405)
- [6] K. Y. M. Wong, C. W. Chan and B. L. Hu, “Activity-based Approach to Teaching Astrophysics at the Level of General Education”, *Teaching and Learning Symposium* (2001).

## **2000**

- [1] S. Li and K. Y. Michael Wong, “Statistical Dynamics of Batch Learning”, *Advances in Neural Information Processing Systems* **12**, edited by S. A. Solla, T. K. Leen and K.-R. Müller, (MIT Press, Cambridge, 2000) 286-292.
- [2] K. Y. Michael Wong, S. Li and Y. W. Tong, “Modelling Batch Learning of Restricted Sets of Examples”, *4th On-line World Conference on Soft Computing in Industrial Applications (WSC4)*, <http://www3.muroran-it.ac.jp/wsc4/>, 21-30 September 1999 (1999). *Soft Computing in Industrial Applications*, Springer ISBN 1-85233-239-X.
- [3] K. Y. Michael Wong, “Learning Dynamics as a Many-Body Problem”, *Bussei Kenkyu of the Yukawa Institute* **73**, 859-865 (2000).
- [4] K. Y. Michael Wong, S. Li and Y. W. Tong, “Complex Dynamics in Learning Systems”, *Physica A* **288**, 397-401 (2000).
- [5] J. van Mourik, K. Y. Michael Wong and D. Bollé, “From Shrinking to Percolation in an Optimisation Model”, *J. Phys. A* **33**, L53-L59 (2000). [arXiv:cond-mat/9804115](https://arxiv.org/abs/cond-mat/9804115)
- [6] K. Y. Michael Wong and H. Nishimori, “Error-correcting Codes and Image Restoration with Multiple Stages of Dynamics”, *Phys. Rev. E* **62**, 179-190 (2000). [arXiv:cond-mat/0003098](https://arxiv.org/abs/cond-mat/0003098)
- [7] K. Y. Michael Wong, S. Li and Y. W. Tong, “Many-body Approach to the Dynamics of Batch Learning”, *Phys. Rev. E* **62**, 4036-4042 (2000). [arXiv:cond-mat/9909004](https://arxiv.org/abs/cond-mat/9909004)
- [8] P. Luo and K. Y. Michael Wong, “Preferential Learning in Nonlinear Perceptrons”, *Proceedings of International Conference on Neural Information Processing (ICONIP2000)*, Taejeon, Korea, 14-18 November 2000 (2000).

## **1999**

- [1] H. Nishimori and K. Y. Michael Wong, “Application of the Spin Glass Theory to Image Restoration and Error-Correcting Codes”, in *Proceedings of International Workshop on Soft Computing in Industry '99, Muroran, Japan, 16-18 June, 1999*, 141-146.
- [2] K. Y. Michael Wong, Y. W. Tong and S. Li, “Application of Statistical Dynamics to Batch Learning”, in *Proceedings of International Workshop on Soft Computing in Industry '99, Muroran, Japan, 16-18 June, 1999*, 115-120.

- [3] Y. W. Tong, K. Y. Michael Wong and S. Li, "A New Framework for Modeling Learning Dynamics", *Proceedings of the 1999 International Joint Conference on Neural Networks (IJCNN'99), Washington, 10-16 July 1999* (IEEE, Piscataway, 1999) 1164-1168.
- [4] B. Li, L. Yin, K. Y. Michael Wong and S. Wu, "An Efficient and Adaptive Bandwidth Allocation Scheme for Mobile Wireless Networks Based on On-line Local Parameter Estimations", *Proceedings of Tenth International IEEE Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'99), Osaka, Japan, 12-15 September, 1999* (1999).
- [5] H. Nishimori and K. Y. Michael Wong, "Statistical Mechanics of Image Restoration and Error-Correcting Codes", *Phys. Rev. E* **60**, 132-144 (1999). [arXiv:cond-mat/9902312](https://arxiv.org/abs/cond-mat/9902312)

## **1998**

- [1] K. Y. Michael Wong, "Mean Field Theory of Learning in Pruned Perceptrons", *Theoretical Aspects of Neural Computation*, edited by K. Y. M. Wong, I. King and D. Y. Yeung (Springer, Singapore, 1998), 93-102.
- [2] S. Wu, K. Y. Michael Wong and B. Li, "A Stable, Distributed Dynamic Call Admission Control for Mobile Wireless Networks with QoS Guarantee: The Single Traffic Case", *Proceedings of the IEEE Globecom'98, Sydney, Australia, 8-12 November, 1998*, vol. 1, 31-36 (1998).
- [3] S. Wu, K. Y. Michael Wong and B. Li, "A New Distributed Dynamic Call Admission Policy for Mobile Wireless Networks with QoS Guarantee", *Ninth International IEEE Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'98), Boston, USA, 8-11 September, 1998*, (IEEE, New York, 1998) 260-264.
- [4] S. Wu and K. Y. Michael Wong, "Dynamic Overload Control for Distributed Call Processors Using the Neural Network Method", *IEEE Trans. on Neural Networks*, **9** 1377-1387 (1998).

## **1997**

- [1] K. Y. Michael Wong, "Exact Dynamics in Feedforward Neural Networks", *Europhys. Lett.* **38**, 631-636 (1997).
- [2] G. M. Shim, K. Y. M. Wong and D. Bollé, "Dynamics of Temporal Activity in Multi-State Neural Networks", *J. Phys. A* **30**, 2637-2652 (1997).
- [3] K. Y. Michael Wong, "The Cavity Method: A New Approach to Neural Network Analysis", *Looking to the 21<sup>st</sup> Century, Proceedings of the International Conference on the Frontiers of Physics*, edited by L-F Li, K. K. Phua, S. S. M. Wong and B-L Young, (World Scientific, Singapore, 1997) 337-342.
- [4] K. Y. Michael Wong, "Microscopic Equations in Rough Energy Landscape for Neural Networks", *Advances in Neural Information Processing Systems* **9**, *Proceedings of the 1996 Conference*, edited by M. C. Mozer, M. I. Jordan and T. Petsche, (MIT Press, Cambridge, 1997) 302-308.
- [5] S. Wu and K. Y. Michael Wong, "Overload Control for Distributed Call Processors Using Neural Networks", *Proceedings of the International Workshop on Applications of Neural Networks to Telecommunications 3 (IWANN\*97)*, edited by J. Alspector, R. Goodman and T. X. Brown, (Lawrence Erlbaum, Hillsdale, 1997), 149-156.

- [6] S. Wu and K. Y. Michael Wong, "Neural Networks for Distributed Overload Control in Telecommunications Networks", *Fifth International Conference on Artificial Neural Networks*, 312-317 (1997).

## **1996**

- [1] K. Y. Michael Wong, "Improving Pattern Reconstruction in Neural Networks by Activity Dynamics", *Europhys. Lett.* **36**, 631-635 (1996).
- [2] K. Y. Michael Wong and H. C. Lau, "Neural Network Classification of Non-Uniform Data", *Progress in Neural Information Processing*, edited by S. Amari, L. Xu, L. W. Chan, I. King and K. S. Leung (Springer, Singapore, 1996) 242-246.
- [3] W. K. Felix Lor and K. Y. Michael Wong, "Neural Dynamic Routing for Robust Teletraffic Control", *Progress in Neural Information Processing*, edited by S. Amari, L. Xu, L. W. Chan, I. King and K. S. Leung, (Springer, Singapore, 1996) 965-969.

## **1995**

- [1] K. Y. Michael Wong, "Microscopic Equations and Stability Conditions in Optimal Neural Networks", *Europhys. Lett.* **30**, 245-250 (1995).
- [2] K. Y. M. Wong, C. Campbell and D. Sherrington, "Order Parameter Evolution in a Feedforward Neural Network", *J. Phys. A* **28**, 1603-1614 (1995).
- [3] P. E. Kahn, K. Y. M. Wong and D. Sherrington, "A Memory Model with Novel Behaviour in Sequential Learning", *Network: Computation in Neural Systems* **6**, 415-427 (1995).
- [4] K. Y. Michael Wong, "The Cavity Method: Applications to Learning and Retrieval in Neural Networks", *Neural Networks: The Statistical Mechanics Perspective*, edited by J. H. Oh, C. Kwon and S. Cho (World Scientific, Singapore, 1995) 175-190.
- [5] W. K. Felix Lor and K. Y. Michael Wong, "Decentralized Neural Dynamic Routing in Circuit-Switched Networks", *Proceedings of the International Workshop on Applications of Neural Networks to Telecommunications 2 (IWANNT\*95)*, edited by J. Alspector, R. Goodman and T. X. Brown, (Lawrence Erlbaum, Hillsdale, 1995) 137-144.
- [6] H. C. Lau, K. Y. Szeto, K. Y. M. Wong and D. Y. Yeung, "A Hybrid Expert System for Error Message Classification", *Proceedings of the International Workshop on Applications of Neural Networks to Telecommunications 2 (IWANNT\*95)*, edited by J. Alspector, R. Goodman and T. X. Brown, (Lawrence Erlbaum, Hillsdale, 1995) 339-346.
- [7] W. Whyte, D. Sherrington and K. Y. M. Wong, "Replica Symmetry Breaking in Noise-Optimal Neural Networks", *J. Phys. A* **28**, 7105-7111 (1995).
- [8] K. Y. Michael Wong, W. K. Felix Lor and H. C. Lau, "Neural Networks for Teletraffic Routing and Troubleshooting", *Proceedings of the International Symposium on Artificial Neural Networks*, IS-38 - IS-43 (1995).

## **1994**

- [1] K. Y. M. Wong, "Freezing Transitions in Neural Networks", *Physica A* **205**, 399-406 (1994).
- [2] K. Y. M. Wong and C. Ho, "Attractor Properties of Dynamical Systems: Neural Network Models", *J. Phys. A* **27**, 5167-5185 (1994).

## **1993**

- [1] K. Y. Michael Wong and David Sherrington, "Neural Networks Optimally Trained with Noisy Data", *Phys. Rev. E* **47**, 4465-4482 (1993); Erratum, *Phys. Rev. E* **50**, 1727 (1994).
- [2] D. Sherrington, K. Y. M. Wong and A. C. C. Coolen, "Noise and Competition in Neural Networks", *J. Phys. I (France)* **3**, 331-337 (1993).
- [3] A. Rau, K. Y. M. Wong and D. Sherrington, "Pattern Selectivity in Neural Networks as a Means of Understanding Basin Structures", *J. Phys. A* **26**, 2901-2919 (1993).
- [4] K. Y. M. Wong, "Probing the Attractors in Neural Networks", *Physica A* **200**, 619-627 (1993).
- [5] T. L. H. Watkin, K. Y. M. Wong and A. Rau, "Optimal Classification with Multilayer Networks", *Proceedings of ICANN*, Amsterdam (1993).
- [6] K. Y. M. Wong, "Extracting More Information from Dynamics in Neural Networks", *J. Korean Phys. Soc.* **26**, S387-S391 (1993).

## **1992**

- [1] D. Sherrington and K. Y. M. Wong, "Dynamic Maps and Attractor Phase Structures in Randomly Diluted Neural Networks", *Microscopic Aspects of Non-linearity in Condensed Matter*, edited by Bishop and Tognetti (1992) 177-184.
- [2] K. Y. M. Wong and C. Campbell, "Competitive Attraction in Neural Networks with Sign Constrained Weights", *J. Phys. A* **25**, 2227-2242 (1992).
- [3] A. Rau, K. Y. M. Wong and D. Sherrington, "Pattern Selectivity in Attractor Neural Networks", *Europhys. Lett.* **17**, 649-654 (1992).
- [4] C. Campbell and K. Y. M. Wong, "Neural Networks with Dynamical Thresholds", *Physica A* **185**, 378-384 (1992).
- [5] K. Y. M. Wong and D. Sherrington, "Statistical Mechanics of Neural Networks: What Are the Differences between Wide and Narrow Basins", *Physica A* **185**, 453-460 (1992).
- [6] K. Y. M. Wong, P. E. Kahn and D. Sherrington, "Novel Phase Diagrams of Sequential Learning in Neural Networks", *Physica A* **185**, 461-465 (1992).
- [7] K. Y. M. Wong and D. Sherrington, "Adaptive Optimization in Neural Networks", *Physica A* **185**, 466-470 (1992).
- [8] David Sherrington, Michael Wong and Albrecht Rau, "Good memories", *Phil. Mag.* **65**, 1303-1310 (1992).
- [9] K. Y. M. Wong, A. Rau and D. Sherrington, "Weight Space Organization of Optimized Neural Networks", *Europhys. Lett.* **19**, 559-564 (1992).

## **1991**

- [1] A. Rau, D. Sherrington and K. Y. M. Wong, "External Fields in Attractor Neural Networks with Different Learning Rules", *J. Phys. A* **24**, 313-326 (1991).
- [2] K. Y. M. Wong, P. E. Kahn and D. Sherrington, "A Neural Network Model of Working Memory Exhibiting Primacy and Recency", *J. Phys. A* **24**, 1119-1135 (1991).
- [3] D. Sherrington and K. Y. M. Wong, "Specialization, Adaptation and Optimization in Dilute Random Attractor Neural Networks", *Biologically Motivated Physics*, edited by L. Peliti (Plenum, New York, 1991) 263-268.

- [4] A. Komoda, R. Serneels, K. Y. M. Wong and M. Bouten, "Robustness Against Random Dilution in Attractor Neural Networks", *J. Phys. A* **24**, L743-L749 (1991).
- [5] K. Y. M. Wong and M. Bouten, "The Principle of Adaptation and Dilution Robustness in Neural Networks", *Europhys. Lett.* **16**, 525-530 (1991).

## **1990**

- [1] D. Sherrington and K. Y. M. Wong, "Binary Networks for Autoassociative Memory", *New Trends in Magnetism*, edited by M. D. Coutinho-Filho and S. M. Rezende (World Scientific, Singapore 1990) 252-260.
- [2] K. Y. M. Wong and D. Sherrington, "Training Noise Adaptation in Attractor Neural Networks", *J. Phys. A* **23**, L175-L182 (1990).
- [3] D. J. Amit, M. Evans, H. Horner and K. Y. M. Wong, "Retrieval Phase Diagrams for Attractor Neural Networks with Optimal Interactions", *J. Phys. A* **23**, 3361-3381 (1990).
- [4] K. Y. M. Wong and D. Sherrington, "Optimally Adapted Attractor Neural Networks in the Presence of Noise", *J. Phys. A* **23**, 4659-4672 (1990).
- [5] K. Y. M. Wong and D. Sherrington, "Tailoring the Performance of Attractor Neural Networks", *Statistical Mechanics of Neural Networks, Lecture Notes in Physics vol. 368*, edited by L. Garrido (Springer Verlag, Berlin 1990) 105-119.
- [6] C. Campbell and K. Y. M. Wong, "Dynamics and Storage Capacity of Neural Networks with Sign Constrained Weights", *Statistical Mechanics of Neural Networks, Lecture Notes in Physics vol. 368*, edited by L. Garrido (Springer Verlag, Berlin 1990) 237-252.
- [7] D. Sherrington and K. Y. M. Wong, "Random Boolean Networks for Autoassociative Memory: Optimization and Sequential Learning", *Statistical Mechanics of Neural Networks, Lecture Notes in Physics vol. 368*, edited by L. Garrido (Springer Verlag, Berlin 1990) 467-473.
- [8] D. Sherrington and K. Y. M. Wong, "Associative Memory in Dilute Random Networks of Automata: Optimization and Adaptation in the Presence of Noise", *Les Houches Physics Advances*, edited by R. Livi, J.-P. Nadal and N. Packard (Nova Science Publishers, 1990). (Publication delay due to editorial problem).

## **1989**

- [1] C. Campbell, D. Sherrington and K. Y. M. Wong, "Statistical Mechanics and Neural Networks", *Neural Computing Architectures*, edited by I. Aleksander (Kogan Page, 1989) 239-257.
- [2] D. Sherrington and K. Y. M. Wong, "Random Boolean Networks for Autoassociative Memory", *Physics Reports* **184**, 293-299 (1989).
- [3] K. Y. M. Wong and D. Sherrington, "Storage Properties of Boolean Neural Networks", *Neural Networks from Models to Applications*, edited by L. Personnaz and G. Dreyfus (IDSET Paris, 1989), 424-433.
- [4] K. Y. M. Wong and D. Sherrington, "Theory of Associative Memory in Randomly Connected Boolean Neural Networks", *J. Phys. A* **22**, 2233-2263 (1989).
- [5] D. J. Amit, K. Y. M. Wong and C. Campbell, "Perceptron Learning with Sign Constrained Weights", *J. Phys. A* **22**, 2039-2045 (1989).

- [6] D. J. Amit, C. Campbell and K. Y. M. Wong, "The Interaction Space of Neural Networks with Sign Constrained Synapses", *J. Phys. A* **22**, 4687-4693 (1989).
- [7] K. Y. M. Wong and D. Sherrington, "The Maximum Storage Capacity in Boolean Associative Memories", *New Developments in Neural Computing*, edited by J. G. Taylor and C. L. T. Mannion (Adam Hilger, Bristol 1989) 133-140.
- [8] K. Y. M. Wong and D. Sherrington, "The Optimal Retrieval in Boolean Neural Networks", *Europhys. Lett.* **10**, 419-425 (1989).

## **1988**

- [1] K. Y. M. Wong and S. Takada, "Effects of Quasiparticle Screening on Collective Modes: II. Superconductors", *Phys. Rev. B* **37**, 5644-5656 (1988).
- [2] K. Y. M. Wong, D. Sherrington, P. Mottishaw, R. Dewar and C. de Dominicis, "Graph Partitioning and Dilute Spin Glasses: The Minimum Cost Solution", *J. Phys. A* **21**, L99-L105 (1988).
- [3] K. Y. M. Wong and D. Sherrington, "Intensively Connected Spin Glasses: Towards a Replica-Symmetry-Breaking Solution of the Ground State", *J. Phys. A* **21**, L459-L466 (1988).
- [4] K. Y. M. Wong and D. Sherrington, "Storage Properties of Randomly Connected Boolean Neural Networks for Associative Memory", *Europhys. Lett.* **7**, 197-202 (1988).

## **1987**

- [1] K. Y. M. Wong and S. Takada, "Effects of Quasiparticle Screening on Collective Modes: I. Incommensurate Charge Density Wave Systems", *Phys. Rev. B* **36**, 5476-5492 (1987).
- [2] D. Sherrington and K. Y. M. Wong, "Graph Bipartitioning and the Bethe Spin Glass", *J. Phys. A* **20**, L785-L791 (1987).
- [3] K. Y. M. Wong and D. Sherrington, "Graph Bipartitioning and Spin Glasses on a Random Network of Fixed Finite Valence", *J. Phys. A* **20**, L793-L799 (1987).

## **1986**

- [1] Y. Nakane, K. Y. M. Wong and S. Takada, "Long-range Coulomb Effects in Incommensurate CDW Systems", *Physica* **143B**, 219-221 (1986).

## **1985**

- [11] S. Takada, M. Wong and T. Holstein, "Damping of CDW-condensate Motion by Interaction with Thermal Phonons", *Charge Density Waves in Solids, Lecture notes in Physics vol. 217*, edited by Gy. Hutiray and J. Solyom, (Springer Verlag, Berlin 1985) 227-235.
- [12] S. Takada, K. Y. M. Wong and T. Holstein, "Damping of Charge Density Wave Motion", *Phys. Rev. B* **32**, 4639-4652 (1985).