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專長1 protein-protein interaction and cancer

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專長4 pathogen-host interaction

教師研究成果資料明細



SCI、SSCI、A&HCI、EI、TSSCI期刊論文

1.(Po-Han Lee)、(Chien-Hung Huang)、(Jywe-Fei Fang)、劉湘川(Hsiang-Chuan Liu)、吳家樂(Ng, Ka-Lok)* ,2005-12, (已刊登)

ADVANCES IN COMPLEX SYSTEMS 8卷4期:383頁~397頁
Hierarchical and Topological Study of the Protein-protein Interaction Networks

2.吳家樂(Ng, Ka-Lok)、劉學銓(Hsueh-Chuan Liu)、李尚熾(Shan-Chih Lee) ,2009-09, (已刊登)

BIOINFORMATICS 卷期:頁~頁
ncRNAppi - A tool for identifying disease-related miRNA and siR-NA targeting pathways

3.吳家樂(Ng, Ka-Lok)、J-S Ciou(邱金水)、黃建宏(C.H. Huang) ,2010-03, (已刊登)

COMPUTERS IN BIOLOGY AND MEDICINE 40卷1期:300頁~305頁
Prediction of Protein Functions based on Function-function Correlation Relations

4.許宏誌(H.J. Shiu)、吳家樂(Ng, Ka-Lok)、方覺非(J.F. Fang)、李家同(R. C.T. Lee)、黃建宏(C.H. Huang)* ,2010-06, (已刊登)

Information Sciences 180卷11期:2196頁~2208頁
Data Hiding Methods Based upon DNA Sequences

5.吳家樂(Ng, Ka-Lok) ,2004-05, ()

Proceedings of the IEEE 1卷1期:561頁~567頁
A cross-species study of the protein-protein interaction networks via the random graph approach

6.吳家樂(Ng, Ka-Lok)、劉湘川(Hsiang-Chuan Liu) ,2008-, ()

Computational Biology and Chemistry 32卷1期:81頁~87頁
Applications of domain-domain interactions in pathway study

7.吳家樂(Ng, Ka-Lok)* ,2003-, ()

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS 321卷1-2期:359頁~363頁
Monte Carlo study of the sphere packing problem

8.吳家樂(Ng, Ka-Lok)* ,2006-, ()

ASIAN JOURNAL OF CONTROL 1卷3期:332頁~342頁
Protein Structural Classes Prediction via Residues Environment Profile

9.吳家樂(Ng, Ka-Lok) ,2003-, ()
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS 321卷1-
2期:189頁~192頁
Quantitative linguistic study of DNA sequences

10.吳家樂(Ng, Ka-Lok)* ,2003-, ()
INTERNATIONAL JOURNAL OF MODERN PHYSICS C 14卷6期:815頁~823頁
Study of the unequal spheres packing problem - an application to radiosurgery
treatment

11.蔡進發(Jeffrey J. P. Tsai)、吳家樂(Ng, Ka-Lok)* ,2007-, ()
LECTURE NOTES IN COMPUTER SCIENCE 4023卷1期:166頁~177頁
Topological Robustness of the Protein-protein Interaction Networks

12.吳家樂(Ng, Ka-Lok)、蔡進發(Jeffrey J. P. Tsai) ,2006-04, (已刊登)
International Journal on Artificial Intelligence Tools 15卷2期:309頁~322頁
Modular structures and robustness of protein networks

13.吳家樂(Ng, Ka-Lok) ,2009-09, (已刊登)
Proceedings of the 2009 9th IEEE International Conference on Bioinformatics and
BioEngineering 1卷1期:386頁~387頁
A platform for identifying microRNA targeting genes

14.吳家樂(Ng, Ka-Lok)、蔡進發(Jeffrey J. P. Tsai) ,2011-, (已刊登)
IEEE BIBE 2011 1卷1期:頁~頁
Investigating Cancer-related Proteins Specific Domain Interactions and Differential
Protein Interactions caused by Alternative Splicing

15.吳家樂(Ng, Ka-Lok) ,2011-, (已刊登)
IEEE International Conference on Computer Science and Information Technology
3卷1期:525頁~528頁
Physiochemical Features Study of Protein Complexes.

16.吳家樂(Ng, Ka-Lok) ,2011-03, (已刊登)
IEEE International conference on computer research and development 2011
(ICCRD 2011) 1卷1期:229頁~232頁
Protein Complexes Subunits Interaction Topology and Sequence Identity

17.吳家樂(Ng, Ka-Lok)、蔡進發(Jeffrey J. P. Tsai)* ,2011-, (已刊登)
IEEE BIBE 2011 卷期:頁~頁
Simulation of Bacterial Chemotaxis by the Random Run and Tumble Model