
LIST OF PUBLICATIONS

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Preprints, Conference and Interim Reports

Please see URL: <http://sansan.phy.ncu.edu.tw/~hclee/pub/allpub.html>

Journal Papers

114. Dominique Chu, Jonathan Rowe, and Hoong-Chien Lee "Evaluation of the Current Models for the Evolution of Bacterial DNA Uptake Signal Sequences" **Journal of Theoretical Biology**, (In press; Online July 2005)
[<http://dx.doi.org/doi:10.1016/j.jtbi.2005.05.024>]
113. Dominique Chu, HC Paul Lee and Tom Lenaerts "Emergence of Uptake Sequence in Bacterial DNA" **Artificial Life**, 11 (2005) 317-338.
112. CH Chang, LC Hsieh, TY Chen, HD Chen, LF Luo and HC Lee "Shannon Information in Complete Genomes" **J. Bioinfo. & Comp. Biology**, 3 (2005) 587-608.
111. HD Chen, CH Chang, LC Hsieh and HC Lee "Divergence and Shannon information in genomes" **Phys. Rev. Lett.**, 94 (2005) 178103.
110. TY Chen, LC Hsieh and HC Lee "Shannon Information and Self-Similarity in Complete Genomes" **Computer Phys. Comm.**, 169 (2005) 218-221.
109. Junjie Shen, Shuyu Zhang, Hoong-Chien Lee and Bailin Hao "SeeDNA: visualization of K-string content of long sequences and their random counterparts" **Genomics, Proteomics and Bioinformatics**, 2 (2004) 192-197.
108. TY Chen, LC Hsieh, CH Chang, LF Luo, FM Jia nd HC Lee "Universal lengths in complete microbial genomes" **Int. J. Mod. Phys. B**, 18 (2004) 2448-2454.
107. M. Bakkali, TY Chen, HC Lee and RJ Redfield "Evolutionary stability of uptake signal sequence in the Pasteurellaceae" **PNAS (USA)**, 101 (2004) 4513-4518.
106. L.S. Hsieh, Ta-Yuan Chen, Chang-Heng Chang, Wen-Lan Fan and H.C. Lee "Universality in large-scale structure of complete genomes" **Genome Biology**, 5 (2004) 7.
105. L.F. Luo, L.C. Hsieh, F.M. Ji, M.W. Jia and H.C. Lee "Search for Evolution-Related-Oligonucleotides and Conservative Words in rRNA Sequences" **IEEE Proc. Comp. Sys. Bioinformatics**, (2003) 468-469
104. L.C. Hsieh, L.F. Luo and H.C. Lee "Evidence for Growth of Microbial Genomes by Short Segmental Duplications" **IEEE Proc. Comp. Sys. Bioinformatics**, (2003) 474-475
103. L.S. Hsieh, L.F. Luo and H.C. Lee "Short Segmental Duplication: Parsimony in Growth of Microbial Genomes" **Genome Biology**, 4 (2003) 7
102. L.S. Hsieh, L.F. Luo and H.C. Lee "Genomes are large systems with small-system statistics: Segmental duplication in the growth of microbial genomes" **AAPPS Bulletin**, 13 (2003) 22-27
101. L.S. Hsieh, L.F. Luo, F.M. Ji and H.C. Lee "Minimal model for genome evolution and growth" **Phys. Rev. Letts.** 90 (2003) 018101-104
100. L.S. Hsieh and H.C. Lee "Model for growth of bacterial genomes" **Mod. Phys. Lett.** 16 (2002) 821-827

99. ZH Wang, CC Simon Lin and HC Lee Elementals on Protein and Amino Acids **Physics Bimonthly**, 24 (2002) 320-327. (in Chinese)
98. C.T. Shih, Z.Y. Su, J.F. Gwan, B.L. Hao, C.H. Hsieh, J.L. Lo and H.C. Lee Geometric and Statistical Properties of the Mean-Field HP Model, the LS Model and Real Protein Sequences **Phys. Rev.** **E65** (2002) 41923-41933.
97. HC Lee Residual Interaction in Protein **Natural Science Comm. (NSC)** 13 (2001) 133-135. (in Chinese)
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92. H.C. Lee and R.B. Zhang, Geometry and representation of the quantum supergroup $OSP_q(1|2n)$ **J.Math. Phys.** 40 (1999) 3175-3190.
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