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Cross-Platform User Profile Matching in Online Social Networks D. Liu and Q.Y. Wu	1955
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The Integration and Development of NFC Technology and Mobile E-Commerce Payment Z.L. Peng and Y.L. Huang	1963
Cooperative Mechanism of Local Memory and Cache in Network Processors B. Yuan, J.D. Fan and B. Liu	1969
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ICT Competency Framework and Training Strategies S.H. Wang	1977
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Research on Dynamic Statistics for Spatial Data Access Laws Based on P2P S.M. Pan, H. Li and G. Tang	1995

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