## **Contents**

Journal of Computers

## **Volume 13, Number 12, December 2018**

Dynamic Replacement of Virtual Service Resources Based on Tree Topology for Mobile Users in Virtual Networks Sakie Horiuchi, Takuji Tachibana	1335
An Improved CNN Structure Model for Image Classification Recognition Ming Ye, Zhisai Shi, Guangyuan Liu	1349
Optimizing Overlap Reductions of Feature Regions for Image Registration Hong Zhu, Huiwen Ren, Jianhui Chang, Yueming Hu	1357
SVM Relevance Feedback in HSV Quantization for CBIR Jasman Pardede, Benhard Sitohang, Saiful Akbar, Masayu Leylia Khodra	1366
SPIHT-Based Image Compression Using Optimization of LIS and LIP Encoding Xianwei Rong, Heting Nie, Weihan Wang, Cunyi Lin, Xiaoyan Yu	1385
A Survey of Multi-panel Image Segmentation Methods Farrukh Jabeen, Mushtaq Ali, Amanullah Baloch, Faqir Gul	1395
Facial Keypoints Detection with Deep Learning Ran Gao, Qi Liu	1403
OCCI Extension for Autonomic Negotiation in the Cloud Federation Raouia Bouabdallah, Soufiene Lajmi, Khaled Ghedira	1411
Construction of the Morphological Structure Model of Overground Part of Naturally-Colored Cotton in Alaer Reclamation Area in Xinjiang Zhenqi Fan, Yujing Tian, Yanqun Wang	1432

## Oracle-Bone Inscription Recognition Based on Deep Convolutional Neural Network

1442

Guoying Liu, Feng Gao