

Table of Contents

Volume 12 Number 2

February 2024

Parallel Image Processing: Taking Grayscale Conversion Using OpenMP as an Example	
B. AlHumaidan, S. Alghofaily, M. Al Qhahtani, S. Oudah, N. Nagy	1
The Deconvolution Method for Obtaining Correspondence in Data-Independent Acquisition Mass Spectrometry Data	
M. M. Lyu, X. Y. Bian, C. J. He	11
Security Implications of Edge Computing in Cloud Networks	
S. Ahmadi.....	26
A Visual Indoor Localization Method Based on Efficient Image Retrieval	
M. Y. Lyu, X. X. Guo, K. P. Zhang, L. Y. Zhang.....	47
Rapid Prototype Development Approach for Genetic Programming	
P. He, L. Zhang	67
Analysis of Public Sentiment regarding COVID-19 Vaccines on the Social Media Platform Reddit	
L. D. Ngueleo, J. P. Disso, A. A. Tekemetieu, J. M. Ngossaha, M. N. Kameni	80
Research on Smart Energy Monitoring and Management System Based on Digital Twin Technology	
X. H. Wang	109
Line Patterns Segmentation in Blurred Images Using Contrast Enhancement and Local Entropy Thresholding	
M. Vlachos, E. Dermatas	116
Transforming Digital Experiences: The Evolution of Digital Experience Platforms (DXPs) from Monoliths to Microservices: A Practical Guide	
S. Sethi, S. Panda.....	142
Evaluating Methods of Visual Assistance for Workers to Improve Quality and Usability in Individualized Kitchen Cabinet Assembly	
A. Eff, M. S. J. Walter	156
A Lightweight Convolutional Neural Network with Hierarchical Multi-Scale Feature Fusion for Image Classification	
A. Dembele, R. W. Mwangi, A. O. Kube.....	173

Nested Levels of Hybrid Cryptographical Technique for Secure Information Exchange

P. Kumar, V. Saxena201

An Application of Machine Learning to Thalassemia Diagnosis

S. T. Liu211

**Film and Television Website Scores Authenticity Verification Based on
the Emotional Analysis**

W. Y. Tong.....231