

Contents

Papers

Geosciences

- The Ore Prospect Directions and EH4 Electromagnetic Sounding Evidence of Dale Copper Polymetallic Deposit in Guangxi XU Heng, CUI Yin-liang, ZHANG Miao-hong, RONG Hui-feng, LIANG Ting-xiang, YANG Feng-ming(7)

General Science and Technique

- Fractional Order Control and Parameters Tuning Based on IPMC CHEN Lan-feng, LI Na(45)

Petroleum Technology

- Optimized Study on the Injection Mode of Polymer/Surfactant Binary Flooding for West Areas Reservoir in Dagang Oilfield WANG Hong-guan, HE Shun-li, LUO Li-tao, CHENG Hong-jie, LI Ji-hong, LIU Wei-dong (17)
- Study of Non Intrusive Liquid Loading Detection Technology of Wet Gas Gathering Pipelines LI Yu-hao, CAO Xue-wen, LIANG Fa-chun, WANG Wen-guang, ZHAO Lian-qi(22)
- Main Controlling Factor of Hydrocarbon Accumulation under Source Rock and Pool-forming Pattern —— a Case Study of the Field of Early Eocene Third Member of Liushagang Formation in Wushi Sag, Beibu Gulf Basin YUAN bing, YANG Xi-bing, ZHANG Ying-chao(27)
- Single Point Method of Tight Gas Reservoir Applied in Daniudi Gas Field ZHAO Zhao, LI Zhi-ping, LAI Feng-peng, CHEN Kui, REN Guang-lei(32)

Mechanic-Electrical Technology

- Research on the Principle and Modeling of the MSMA Vibration Generator ZHANG Qing-xin, XIE Yu-huan, LI Jian(37)
- Strategy-making in Black-start Schemes Based on Improved Order-preserving Close Value Method and Its Sensitivity Analysis WEI Yue, LIU Tian-qi, YIN Hong, LI Xing-yuan(45)

- Combinatorial Optimization of Distribution Network Loss with Distribution Generations ZHANG Xue-feng, GONG Hao, BIE Shi-guang, LUO Hao(50)

Computational Technology

- A New Tracking Algorithm for Strong-maneuvering Target with Two-layer Nested Model of CS and CL PENG Jin-shuan, XU Lei, ZHOU Xiao-xiang(56)
- An Improved KNN Algorithm Based on Partial Distribution Density within Neighbors Decision Domain SHI Jia, DONG Yu, WEI Hong-jie, JING Xiao-chun, SHI Lei(61)
- A Novel Contrast Measurement Method for Rail Image LUO Lai-jie, ZHANG Hua, LIU Ji-zhong (66)
- Recognition of Fuzzy Inscription Character Based on Component for Bones or Tortoise Shells GAO Feng, WU Qin-xia, LIU Yong-ge, XIONG Jing(86)
- Night Image Enhancement Using Retinex Algorithm Based on YUV

Volume 14 Number 30(Sum 319)

- Color Space ZHANG Hong-ying, YUAN Xiao-peng(75)
- Quality of Service Improvement in End-to-end Stochastic Network Based on Effective Bandwidth and Capacity BIAN Chao, XIAN Jin(81)

Architectural Technology

- Research on Dynamic Performance of T Steel Connection Space Steel Frame HU Chang-jiao, WANG Xin-wu(86)
- The Dynamic Characteristics Tests of Unsaturated Loess under Cyclic Loading LIU Bin, WANG Mei, DONG Li-shan(90)
- Research on Stability of Dangerous Rock Masses at Monkey Slope of Jinping I Hydropower Station LIN Hua-zhang, PEI Xiang-jun(96)

Aeronautics and Astronautics

- Research on Real-time Path Planning Algorithm of UAV under Different Threats WANG Li-li, ZHOU Juan(101)

Surveies

Biology

- Research and Application of T Vector TIAN Sheng-li, LIANG Xiu-yi, LIANG Zhi-cheng(118)

Research Notes

Geosciences

- The Application of Soil Geochemical Survey in the Exploration of Nanpo Copper Deposit LI Jian-fei, LUO An-hua, JI Li-na, FANG Zhong-you(113)

- Induced Polarization Value Caused by Abnormal Ellipsoid Body DUAN Chang-sheng, LÜ Yu-zeng, Huang Xiu-bao (118)

General Science and Technique

- Soil Media Vibration Transfer Characteristics Model Test and the Field Experiment LUO Jun-qing, XING Yun-lin, ZHANG Liang, HU Ming-yi, SHEN Zhong-han(127)

Petroleum Technology

- Characteristic of Fractured Basement Reservoir in Marib-Shabwa, Yemen XU Xiu-cang(127)
- Effect of Injection Temperature on the Composite Heat Carrier Huff and Puff ZHAO Ming-guo, CHEN Xi, JIA Hui-min, YANG Hong-yu(139)

- Research on Supercritical Carbon Dioxide Foam Channeling Prevention in Low Permeability Oilfield WANG Jie-xiang, CHEN Zheng, FENG Chuan-ming, ZHAO Mi-fu, YANG Chang-hua(134)

- The Characteristic Research between Pressure and Volume of CO₂ Foam System LIU Li, SONG Kao-ping, WANG Yu, PI Yan-fu, YANG Kun(139)

- Experimental Study on Erosion of P110 Steel in Liquid-solid Two-phase Flow YANG Xiang-tong, ZHOU Peng-yao, DING Liang-liang, WANG Zhi-guo, DOU Yi-hua(143)

- Analysis of the Wind and Seismic Stability of Column-supported

- Conical Bottom Tank PENG Wen-shan,
CAO Xue-wen, XIN Min-dong, WANG Qiang,
LIU Wei, SONG Cheng-yu, WANG Tong-tao (163)

Power Technology

- Research on Application of Hicks-Henne Function in Airfoil
Shape Parameterization & Convergence LIU Li-na, WU Guo-xin(155)

Mechanic-Electrical Technology

- Study on the Improve High Voltage Alternating Current Trans-
mission Line Frequency Electric Field Intensity Theory Calcula-
tion Formula GUO Hai-lin,
WANG Zhi-ning, LIU Xiao, ZHANG Li-xin(159)

- The Heat Dissipation Design of Induction Heat Based on Flo-
therm SHI Yan-dong, WEI Yu-liang, NING Fei(163)

Communicational Technology

- Experimental Investigation of Waveguide Loaded Resonator
..... CHU Jian-hua,

CAO Jian-dong, WANG Chuan-qi (190)

- A Method of Enhancing Dynamic Range of CMOS Image Sensor
..... YU Shuai, SUN De-xin(171)

- FEM Thermal Analysis of Micro-cracks in Ultrasonic Scalpel un-
der Ultrasonic Excitation GUO Xin-yi,
ZHOU Zhao-ying, TAN Qiu-lin, QIN Li(175)

- The Chaotic Code-hopping Spread Spectrum Communication Sys-
tem LEI Li, ZHENG Jian-sheng, LIU Zheng(180)

- The Design and Implementation of High-speed Telemetry Data
Acquisition System Based on CY7C68013A
..... ZHANG Jia-wei, ZHAI Cheng-rui(185)

- Micro-Doppler Curve Separation and Feature Extraction Based on
the Principle of the Closest Distance
..... LUO Ya-zong, FENG You-qian,
LI Song, ZHANG Dong, YUE Shao-hua(190)

Computational Technology

- Ray Casting Algorithm Based on Linear Octree Structure for
Cloud Visualization XIE Yong-hua,
WANG Chang, YUAN Fu-xing(201)

- An Image Segmentation Algorithm Based on Combination of
Ramp Width Reduction and Intersecting Cortical Model
..... GUO Meng, SHAO Guo-jin(201)

- Parallel Realization of Fabric Defect Detection Based on
TMS320C6678 LIU Hong-bo, WU Min-yuan,
ZOU Lian, PING Lei, HE Wei(213)

- Research of Three-dimensional Inversion Defects within the Mag-
nesium Alloy Component Based on Contour Method
..... GU Wen-qi, WANG Zhao-ba, CHEN You-xing(208)

- Mobility-based Power-aware Routing Protocol in the Adhoc Net-
works LI Bao-zhu,
GAO Xian-jun, LI Na, LI Hong-bin(213)

- Research of Static Spectral Polarization Difference Imaging Tech-
nique WANG Xin-quan, QI Min-jun(217)

Chemical Industry Technology

- The Pilot Experimental Research on Inorganic Pervaporation Mem-

- brane Ethanol Dehydration WANG Qi,
WANG Lin-feng, YAN De-ran, LIU Tian-tian(220)
Studyon the Interfacial Compatibility of Modified Corn Stover Fi-
bers LI Ya-li,
GAO Mian-hong, CAO Qiang, LIU Juan(224)

Architectural Technology

- Crack Resistance of Hydraulic Aqueduct Structure Based on the
Nonlinear Constitutive Model WANG Pan-xiu, RUI Xue (249)

- The Research of Layer Steel Fiber Reinforced Concrete Beam
Anti-cracking Property FU Wen-kui,
CHNE Yang-yang, LI Da-qing(231)

- Analysis on Earthquake Stability of Loess Slope Based on Dy-
namic Triaxial Test LI Yu-qian,
LI Guang-yuan, GU Tian-feng, LIAN Jie(236)

- Determination of Mechanical Parameters of Unloading Rock Mass
Based on GSI HAN Xin-jie, ZHANG Fa-ming,
DONG Meng-long, CAO Chen-xia(240)

- Numerical Simulation Study on Surrounding Rock Stability under
High Water Pressure in Long Deep-buried Tunnel
..... SHI Shen-wei, ZHU Zhen-de(245)

- The Test Research Rubber Particles Recycled Concrete Tensile
and Flexural Performance XU Jia-wen, REN Jia-ni(249)
On Study of Pretreatment for Preparation of Gypsum Building Plas-
ter with Yunnan Phosphorus HAN Song, ZHAO Zhi-man,
CHENG Yao-hua, QUAN Si-cheng (253)

- Analysis on Raw Material of High-water and Quick-setting Mate-
rial Stone XIE Hui, LIU Chang-wu(271)
Numerical Simulation of Gas-solid Coupling Field in Thermal
Environment of Indoor Sand-therapy Room at the Experimental
Stage HU Xiao-xin, JULAITI · Maitirouzi,
HUANG Shao-jun, MUHETAER · Kelimu,
DILINAER · Mahemuti, ZHANG Chun-guang(262)

Aeronautics and Astronautics

- The Cable Connection Structure Analysis and Technology Research
of Tethered Balloon HE Xiao-hui, WANG Li-xiang(266)

- Algorithm Research on Dynamic Protection Aera of Route Inter-
section WANG Li-li, WANG Kun(271)

- Air Traffic Complexity Pattern Classification Method Based on
Clustering Analysis WANG Hong-yong,
WEN Rui-ying, ZHAO Yi-fei(276)

Environmental Science

- Study of DDNP Wastewater Treatment by Electro-Fenton Pro-
gress DU Yan-sheng, CHU Jin-yu, LI Huan (279)

- Carbon Fraction Analysis of Atmospheric Particles in Shiji-
azhuang KANG Su-hua, LI Hai-feng,
YANG Li-jie, ZHAO Xin, CHANG Qing,
GAO Kang-ning, LI Ya-qing, JIN Wei(288)

- Bacteria Diversity in a Denitrification-based Groundwater Reme-
diation System by 16S rDNA ZHANG Jian-mei,
LI Si-yuan, GAO Xiu-fang,
YU Xiao-yong, SHI Xu, LI Gen, JIANG Xing-chao(288)