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Z.F. Liu and H.C. Zhang	1877
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X.H. Ma and C.L. Li	1881
Slender Pipe Vibration Cracking Analysis and Vibration Reduction Measures	
Y.Q. Ding and J.B. Liu	1885
Improvement of Laminar Shear Container for Shaking Table Test	
H.F. Sun, L.P. Jing, Q.H. Wei and X.C. Meng	1889
Fractal Features of Cracked Backfill Particle Size Distribution	
Y.J. Zhu, D.Q. Deng and P. Wang	1894
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W.H. Qi, J.S. Bo and P. Li	1899

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Chapter 14: Miscellaneous Researches for Tecnical Sciences

A Case Study of RFID-Enabled Payment Device M. Zhou	2021
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Design of Photonic Crystal Fibers Based Polarization Splitter with Hollow Ring Defects J.H. Li, J.Y. Wang, B.F. Zhang, Z.Y. Xu and H. Zhou	2026
Analysis to the Whiplash Effect in the Engineering Structure J. Liu	2030
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Research on the Relationship among Technological Progress, Rebound Effect and Energy Efficiency P.P. Liu and C.S. Jiang	2042
Construction of Regulatory Boolean Networks Based on Expression Profiles Data Noise L.Q. Wang, G.Q. Chen and H.H. Zhao	2046
The Global Attractor of the 3D Complex GL Equation and the Estimate of its Dimensionality B.T. Li and Z.C. Yuan	2051
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Shading Effect and Optimal Tilt-Angle of Collectors in a Collector Array R.S. Tang and N.Y. Liu	2078
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Personal Future Transport Development F. Zhang and J.G. Wan	2105
Segmentation of Adhering Cell Images Based on Two-Dimensional Histogram S.P. Dai, T. Jin and Q. Liang	2108
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Evaluation of Traffic Safety of Curved Section with Gray Theory Based on the Driving Track J.F. Xi, Z.H. Gao, B. Qi and H.Z. Liu	2117
Thin Cloud Removal Approach for Yellow River Remote Sensing Onitoring L. Chen, Y.F. Zhou and H.L. Jia	2121
Dealing with the Bottom Intersection Problem in Isopycnic-Coordinate Models Using the Flooding Algorithm C.B. Miao and X.Q. Lv	2125

The Behaviors of Internal Solitary Waves near the Continental Shelf of South China Sea Inferred from Satellite Images X.D. Huang, J.W. Tian and W. Zhao	2131
The Deposit Features and Comprehensive Information Prospecting Model of Mengyejing Potash Deposits in Yunnan Province W.H. Yue and J.G. Gao	2136
On Asymptotically Non-Expansive Self-Maps in Metric Spaces and Related Stability of Dynamic Systems M. de La Sen, A. Ibeas and A.J. Garrido	2140
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