

Vol. 34 • No. 3 • June 2021



Acta Mechanica Solida Sinica

固體力學學報 (英文版)

 Springer

万方数据



ORIGINAL PAPERS

Mechanical Analysis and Strength Checking of Current Collector Failure in the Winding Process of Lithium-Ion Batteries

R. Tao · Z. Liang · S. Zhu · L. Yang · L. Ma · W.-I. Song · H. Chen 297

Sound Transmission Comparisons of Active Elastic Wave Metamaterial Immersed in External Mean Flow

Z.-H. He · Y.-Z. Wang · Y.-S. Wang 307

Axisymmetric Free Vibration of Soft Electroactive Circular Plates under Biasing Fields

Y. Cao · J. Zhu · B. Wu · W. Chen 326

Numerical Determination of the Circumferential Residual Stress of Porcine Aorta by Pulling-Back Method

H. Chen · W. Wang · Q. Chen · Z. Li 346

Stress Recovery Procedure for the Bonded Particle Model

R. Guan · S. Bie · C. Chen 356

Active Control of Thermo-mechanical Buckling of Composite Laminated Plates Using Piezoelectric Actuators

Y. Zhang · Y. Xue · W. Yuan · W. Ma · J. Li · F. Li 369

Flexural Performance of Reinforced Concrete Beams Strengthened with Carbon Fiber-Reinforced Polymer (CFRP) under Hygrothermal Environment Considering the Influence of CFRP-Concrete Interface

X. Guo · P. Huang · Y. Wang · S. Shu · X. Zheng 381

The Coiling of Split Dandelion Scape Induced by Cell Hygroscopicity

C. Zhang · T. Qiao · K. Zhou · Q. Zhang · M. Hou 393

Total Focusing Method Damage Imaging in Frequency Domain Using Laser-Ultrasonic Lamb Wave Based on Time-domain Filtering in Multi-band

F. Li · Y. Luo 404

Vibration and Buckling Analysis of Piezoelectric Nanowires Based on Surface Energy Density

L. Wang · H. Han 425

Regular Position-Oriented Method for Mesh Smoothing

Y. Hai · Y. Guo · S. Cheng · Y. Hai 437

Abstracted/Indexed in EBSCO Discovery Service, EI Compendex, Google Scholar, INSPEC, Institute of Scientific and Technical Information of China, Journal Citation Reports/Science Edition, Naver, OCLC World Cat Discovery Service, ProQuest-ExLibris Primo, ProQuest-ExLibris Summon, SCImago, SCOPUS, Science Citation Index Expanded (SciSearch)

ORIGINAL PAPERS

Mechanical Analysis and Strength Checking of Current Collector Failure in the Winding Process of Lithium-Ion Batteries

R. Tao · Z. Liang · S. Zhu · L. Yang · L. Ma · W.-I. Song · H. Chen 297

Sound Transmission Comparisons of Active Elastic Wave Metamaterial Immersed in External Mean Flow

Z.-H. He · Y.-Z. Wang · Y.-S. Wang 307

Axisymmetric Free Vibration of Soft Electroactive Circular Plates under Biasing Fields

Y. Cao · J. Zhu · B. Wu · W. Chen 326

Numerical Determination of the Circumferential Residual Stress of Porcine Aorta by Pulling-Back Method

H. Chen · W. Wang · Q. Chen · Z. Li 346

Stress Recovery Procedure for the Bonded Particle Model

R. Guan · S. Bie · C. Chen 356

Active Control of Thermo-mechanical Buckling of Composite Laminated Plates Using Piezoelectric Actuators

Y. Zhang · Y. Xue · W. Yuan · W. Ma · J. Li · F. Li 369

Flexural Performance of Reinforced Concrete Beams Strengthened with Carbon Fiber-Reinforced Polymer (CFRP) under Hygrothermal Environment Considering the Influence of CFRP-Concrete Interface

X. Guo · P. Huang · Y. Wang · S. Shu · X. Zheng 381

The Coiling of Split Dandelion Scape Induced by Cell Hygroscopicity

C. Zhang · T. Qiao · K. Zhou · Q. Zhang · M. Hou 393

Total Focusing Method Damage Imaging in Frequency Domain Using Laser-Ultrasonic Lamb Wave Based on Time-domain Filtering in Multi-band

F. Li · Y. Luo 404

Vibration and Buckling Analysis of Piezoelectric Nanowires Based on Surface Energy Density

L. Wang · H. Han 425

Regular Position-Oriented Method for Mesh Smoothing

Y. Hai · Y. Guo · S. Cheng · Y. Hai 437

Abstracted/Indexed in EBSCO Discovery Service, EI Compendex, Google Scholar, INSPEC, Institute of Scientific and Technical Information of China, Journal Citation Reports/Science Edition, Naver, OCLC World Cat Discovery Service, ProQuest-ExLibris Primo, ProQuest-ExLibris Summon, SCImago, SCOPUS, Science Citation Index Expanded (SciSearch)