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Journal Information

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Classification History

Year	A+	A	B	C
2026		✓	✓	
2025		✓	✓	
2024		✓	✓	
2023		✓	✓	
2021/2022		✓	✓	
2020		✓	✓	
2019		✓	✓	
2018		✓		

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Recent Articles

The Robustness Collaborative Design of Hydraulic Clutch Based on Multi-Dimensional Parameter Sensitivity Analysis
2026-10-15 Vol. 32 Issue 4 Pages 302-311
Authors: Shuai GAO, Longhui HAN, Guoliang LIU et al.
DOI: 10.5755/j02.mech.44032

A Computationally Efficient Radar Sensor Modeling Methodology Incorporating Rain-Induced Propagation Attenuation for Virtual Validation of Autonomous Driving Systems
2026-10-15 Vol. 32 Issue 4 Pages 364-372
Authors: Seunghwan CHUNG, Chan-Jung KIM
DOI: 10.5755/j02.mech.45616

Influence of Protuberance Geometry on Gear Tooth Root Stress and Grinding Notch Formation
2026-10-15 Vol. 32 Issue 4 Pages 312-318
Authors: Mustafa TİMUR, Halil KILIÇ
DOI: 10.5755/j02.mech.44901

Experimental Comparison of Tire Tread Wear Performance on Conventional and Electric Vehicles under Controlled Road Conditions
2026-10-15 Vol. 32 Issue 4 Pages 383-290
Authors: Melih GELBAL, Mustafa Umut KARAOĞLAN
DOI: 10.5755/j02.mech.44614

Hybrid Random Carrier-Based Noise Suppression for Automotive Electronic Water Pumps: Theoretical and Experimental Study
2026-10-15 Vol. 32 Issue 4 Pages 273-282
Authors: Xipei MA, Huankang ZHANG, Xiaodan FENG et al.
DOI: 10.5755/j02.mech.42430

Reliability-Based Proportional Topology Optimization of Continuum Structures with Smooth Boundaries
2026-10-15 Vol. 32 Issue 4 Pages 291-301
Authors: Lingyun YANG, Yong SONG, Xiafeng HU et al.
DOI: 10.5755/j02.mech.44172

Determination of Stability Conditions for High-Speed Electric Trains With Carbody Tilting When Negotiating Curved Track Sections
2026-10-15 Vol. 32 Issue 4 Pages 319-325
Authors: Ivan KOLODII, Dmytro IAKUNIN, Dmytro LIUBARSKYI et al.
DOI: 10.5755/j02.mech.45406

Kinematic and Rehabilitation Performance Analysis of a Reconfigurable Parallel Mechanism for Staged Ankle Rehabilitation
2026-10-15 Vol. 32 Issue 4 Pages 326-424
Authors: Xinxin HE, Ruifeng BO, Xiaoyu LI
DOI: 10.5755/j02.mech.45500

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2026-8-5 Vol. 32 Issue 3 Pages 208-219
Authors: Yunus SARAL, Sait Özmen ERUSLU, Ibrahim Savaş DALMIS
DOI: 10.5755/j02.mech.44593

Modeling and Simulation of Screw-in Cartridge Three-Way Flow Control Valve Based on AMESim
2026-8-5 Vol. 32 Issue 3 Pages 190-194
Authors: Shanxu ZHOU, Jianghong YING, Wei WANG
DOI: 10.5755/j02.mech.44571