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iew at publisher _ongitudinal dynamics of freight trains	Younesian, D., Abedi, M., Ashtiani, I.H. Dynamic analysis of a partially filled tanker train travelling on a curved track (2010) International Journal of Heavy Vehicle Systems
nsari, M.ª 💟, Esmailzadeh, E.ª 💟, Younesian, D. ^b 💟 着 Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, IN L1H 7K4, Canada	View details of all 2 citations
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English	(2008) 2007 Proceedings of the ASME International Design Engineering Technical Conferences and Computers and
Author keywords	Information in Engineering Conference, DETC2007
Automatic coupler; Freight train; Longitudinal dynamics; Numerical simulation; Parametric sensitivity analysis	Ansah, M., Younesian, D., Esmailzadeh, E. Effects of the load distribution patterns on the longitudinal freight train dynamics (2008) 2007 Proceedings of the ASME International Design
ndex Keywords	Engineering Technical Conferences and Computers and Information in Engineering Conference, DETC2007
Engineering controlled terms: Computer simulation; Dynamics; Freight cars; Sensitivity analysis Engineering uncontrolled terms: Automatic coupler; Freight train; Longitudinal dynamics; Numerical simulation; Parametric sensitivity analysis Engineering main heading: Locomotives	View all related documents based on all shared references or select the shared references to use
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1 Ahmed, M.E., Bayoumi, M.M.	Add
Simulation and control of a long freight train (1983) Simulation in Engineering Sciences. Cited 2 times.	
Burger, J. and Jarny, Y, Eds, Elsevier Science Publishers BV, North Holland, IMACS	More By These Authors
2 📼 Andrews H I	The authors of this article have a total of 164 records in Scopus:
2 Andrews, H.I. (1986) Railway Traction, The Principles of Mechanical and Electrical Railway Traction, Studies in Mechanical Engineering, 5 Cited 2 times	(Showing 5 most recent)
Mechanical Engineering, 5. Cited 2 times. Elsevier Science Publishers, B.V, North Holland	Ansari, M.,Esmailzadeh, E.,Jalili, N.
	Exact frequency analysis of a rotating cantilever
3 Ansari, M., Hazrati, I.	beam with tip mass subjected to torsional-bending vibrations
Investigation and field measurement of the wear trend in train wheels (2006) Proceedings of the ASME/ IEEE Joint Rail Conference, pp. 103-107. Cited 3 times. Atlanta, USA, pp	(2011)Journal of Vibration and Acoustics, Transactions of the ASME
View at publisher	Ansari, M.,Esmailzadeh, E.,Younesian, D.
4 Barbosa, R.S., Weber, H.I. Longitudinal train dynamics	Frequency analysis of finite beams on nonlinear
	A Hide Applications

6		Esmailzadeh, E., Vosspughi, G.R., Goodarzi, A. Dynamic modeling and analysis of a four motorized wheels electric vehicle (2001) Vehicle System Dynamics, 35 (3), pp. 163-194. Cited 30 times. doi: 10.1076/vesd.35.3.163.2047
		View at publisher
7		Fukazawa, K. Coupler forces of 1000t class two-axle freight trains (1992) <i>Quarterly Report of RTRI</i> , pp. 166-168. Cited 9 times. 33, pp
8		Garg, V.K., Dukkipati, R.V. (1984) <i>Dynamics of Railway Vehicle Systems</i> . Cited 234 times. Academic Press, Canada
9		Iwnicki, S. (2006) <i>Handbook of Railway Vehicle Dynamics</i> . Cited 66 times. CRC Press, Boca Raton
10		Kargarnovin, M.H., Younesian, D., Thompson, D., Jones, C. Ride comfort of high-speed trains travelling over railway bridges (2005) Vehicle System Dynamics, 43 (3), pp. 173-199. Cited 11 times. doi: 10.1080/00423110512331335111 View at publisher
44		
11		Oyan, Chen Dynamic simulation of Taipei EMU train (1998) Vehicle System Dynamics, 30 (2), pp. 143-167. Cited 12 times.
		View at publisher
12		Rao, J.S., Raghavacharyulu, E., Kumar, N. Mathematical modelling to simulate the transient dynamic longitudinal force in draw bars of a train-consist (1984) <i>Journal of Sound and Vibration</i> , 94 (3), pp. 365-379. Cited 6 times.
		View at publisher
13		Sany, J.R. Accurate rail vehicle dynamic simulations by DynaRail (2004) American Society of Mechanical Engineers, Rail Transportation Division (Publication) RTD, 28, pp. 29-44. Cited 3 times.
		View at publisher
14		Seifer, T., Hauptmann, D., Muller, L. A Computer Model for the Simulation of Longitudinal Dynamics in Trains (1997) <i>World Congress on Railway Research.</i> Cited 3 times. Italy
15		Shah, M., Thirumalai, M., Cui, K., McGirt, P., Haque, I. Symbolic methods for modelling rail vehicle systems (1997) International Journal of Vehicle Design, 18 (5), pp. 487-517. Cited 5 times.
16		Srivastava, N., Miao, Y., Haque, I. Influence of clearance on the dynamics of chain CVT drives (2006) Proceedings of 2006 ASME International Mechanical Engineering Congress and Exposition, pp. 5-10. IMECE, Chicago, Illinois, USA, November
17		Verbitskiy, V.G., Lobas, L.G. Simulation of dynamic behaviour of monorail car (2000) <i>Engineering Simulation</i> , 18 (1), pp. 119-130. Cited 6 times.
18		Witt, T., Müller, L. Methods for the validation of algorithms for the simulation of longitudinal dynamics (2000) Vehicle System Dynamics, 33 (SUPPL.), pp. 386-393. Cited 3 times.
19		Yu, M.Y. Analysis to mechanism of train longitudinal impulse (1989) Proceeding of the Fourth International Heavy Haul Railway Conference, pp. 591-594. Cited 7 times. Brisbane, pp
20		Zobory, I., Bekefi, E. On real-time simulation of the longitudinal dynamics of trains on a specified railway line (1995) <i>Periodica Polytechnica Transportation Engineering</i> , 23, pp. 3-18. Cited 5 times.
21	1	Schwab Verkehrstechnik, A.G. Technical Manual

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ternational Journal of Heavy olume 16, Issue 1-2, March 200			
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