

PUBLICATIONS IN CONFERENCES:

1. Keikhosrow Firoozbakhsh, Rouhollah Hosseini, Hossein Naseri, **Reza Masoudi Nejad**. [Vibrational Analysis of a Truck Chassis: A Case Study](http://dx.doi.org/10.13140/2.1.2474.7049), Applied Mechanics and Materials Conference, ASME 2011, June 2011, USA. <http://dx.doi.org/10.13140/2.1.2474.7049>
2. **Reza Masoudi Nejad**. Investigation the multiaxial failure criterion for a brittle orthotropic composite material: An experimental study, 2nd National Conference on Civil Engineering, February 2011, Iran, in Farsi.
3. **Reza Masoudi Nejad**, Pouyan Alaei. [The study and analysis the stress field in wedge-shaped concrete dam under hydrostatic pressure](#) 3rd National Conference on Civil Engineering, April 2012, Iran, in Farsi.
4. **Reza Masoudi Nejad**, Pouyan Alaei. [A Methodology of Solar Concentrating Parabolic Dish Design Based on the Nonlinear Elasticity Calculation](http://dx.doi.org/10.13140/2.1.4834.0008) International Congress of Recent Advances in Engineering (ICRAE 2013), March 2013, Iran. <http://dx.doi.org/10.13140/2.1.4834.0008>
5. **R. Masoudi Nejad**, S.M. Salehi, G.H. Farrahi, M. Chamani. [Simulation of crack propagation of fatigue in Iran railroad wheels and Effect of residual stresses](http://dx.doi.org/10.13140/2.1.3785.4244) 21st International Conference on Mechanical Engineering (ISME 2013), May 2013, Iran, in Farsi. <http://dx.doi.org/10.13140/2.1.3785.4244>
6. Pedram Zamani, **Reza Masoudi Nejad**, Khalil Farhangdoost. [Computation of stress intensity factors of collinear interacting cracks in a simple lap joint structure](http://dx.doi.org/10.13140/2.1.4965.0724) 1st National Conference on Development of Civil Engineering, Architecture, Electricity and Mechanical in Iran, December 2014, Iran. <http://dx.doi.org/10.13140/2.1.4965.0724>
7. **Reza Masoudi Nejad**, Hesam Soleimani, Saeed Mahmoodi Beram, Mahmoud Shariati, Khalil Farhangdoost. [Stress intensity factors calculation under influence of lubricating fluid in railway rails](#) 1st International Conference on Mechanical and Aerospace Engineering, April 2016, Iran, in Farsi.
8. Hesam Soleimani, **Reza Masoudi Nejad**, Majid Moavenian. [Common failures in wheel and rail and different methods of measuring their profiles](#) 1st International Conference on Mechanical and Aerospace Engineering, April 2016, Iran, in Farsi.
9. Hesam Soleimani, **Reza Masoudi Nejad**, Majid Moavenian. [Wear mechanism and effective factors on wheel-rail contact](#) 1st International Conference on New Research Achievements in Mechanic, Mechatronic and Biomechanic, May 2016, Iran, in Farsi.
10. Hossein Ghasemi, **Reza Masoudi Nejad**, Yaghoub Tadi Beni, Mahmoud Shariati. [Fatigue crack propagation behavior in A516 thick-walled pressure vessel steel](#) 26st Annual International Conference of Iranian Society of Mechanical Engineers (ISME 2018), April 2018, Iran, in Farsi.
11. S.Z. Hoseini, Danial Ghahremani Moghadam, **Reza Masoudi Nejad**. [Numerical and experimental investigation of bending angle sheet metals using in laser forming process of composite two layered copper-aluminum](#) 4th International Conference on

Manufacturing Engineering (ICME 2018), October 2018, Iran, in Farsi.

12. **Reza Masoudi Nejad**, Zhiliang Liu. [Evaluation of stress intensity factors for surface fatigue cracks in rail–wheel wet contact](https://dx.doi.org/10.1109/PHM-Shanghai49105.2020.9280941) IEEE Global Reliability and Prognostics and Health Management Conference (PHM 2020), October 2020, China.
<https://dx.doi.org/10.1109/PHM-Shanghai49105.2020.9280941>
13. **Reza Masoudi Nejad**, Zhiliang Liu. [Effect of lubricant on surface crack propagation and fatigue life of one-way rail in rail–wheel contact](https://dx.doi.org/10.1109/PHM-Shanghai49105.2020.9280957) IEEE Global Reliability and Prognostics and Health Management Conference (PHM 2020), October 2020, China.
<https://dx.doi.org/10.1109/PHM-Shanghai49105.2020.9280957>
14. **Reza Masoudi Nejad**, Zhiliang Liu. [Effect of wear on stress intensity factor of rail steel using numerical modeling](#), 3rd International Conference on Electrical, Computer and Mechanical Engineering, October 2020, Iran.
15. **Reza Masoudi Nejad**, Mohammadreza Tohidi, Greg Wheatley, Ahmad Jalayerian Darbandi, Hossein Ghasemi. [Effect of rivet material and punch pressure on equivalent plastic strain of riveted joints in Al-alloy 2024 plates](#) 4th International Conference on Mechanical Engineering, Industries and Aerospace, February 2021, Iran.
16. **Reza Masoudi Nejad**, Zhiliang Liu, Greg Wheatley. [On fatigue crack growth of railway rails under mixed-mode loading conditions](#) 6th International Conference on Science and Technology, March 2021, Iran.
17. **Reza Masoudi Nejad**, Peyman Noroozian Rizi, Greg Wheatley, Hossein Ghasemi. [Stress intensity factor evaluation for fatigue crack in working roll due to hot rolling](#) 6th International Conference on Science and Technology, March 2021, Iran.
18. **Reza Masoudi Nejad**, Zhiliang Liu, Filippo Berto. [On fatigue life estimation of railway rails under the influence of periodic overloads and wear](#) 29th Annual International Conference of Iranian Society of Mechanical Engineers, May 2021, Iran.
19. Hossein Ghasemi, Saeed Rahnama, **Reza Masoudi Nejad**. [Investigation of energy absorption characteristics of car chassis rails using proposed new geometries](#), 30th Annual International Conference of the Iranian Association of Mechanical Engineers (ISME 2022), May 2022, Iran, in Farsi.

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