

Parisa Hosseini Tehrani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

438
citations

12
h-index

19
g-index

46
ext. papers

498
ext. citations

2.1
avg, IF

3.76
L-index

#	Paper	IF	Citations
46	Increasing fatigue crack initiation life in butt-welded UIC60 rail by optimization of welding process parameters. <i>International Journal of Fatigue</i> , 2021 , 151, 106367	5	0
45	Numerical calculation of crack driving force using the configurational force concept for elastic-plastic rail cracks. <i>Strength, Fracture and Complexity</i> , 2020 , 13, 45-64	0.7	0
44	Investigation of residual stress and optimization of welding process parameters to decrease tensile residual stress in the flash butt welded UIC60 rail. <i>Mechanics Based Design of Structures and Machines</i> , 2020 , 1-15	1.7	2
43	A New Combined Model for considering the Plasticity Effects in Contacting Asperities. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-12	1.1	1
42	Experimental and numerical investigation of the characteristics of flash-butt joints used in continuously welded rails. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2020 , 234, 65-79	1.4	4
41	Modeling temperature evolution of wheel flat during formation. <i>International Journal of Thermal Sciences</i> , 2019 , 140, 114-126	4.1	3
40	Interface/interphase effects on scattering of elastic P- and SV-waves from a circular nanoinclusion embedded in a solid viscoelastic matrix. <i>European Journal of Mechanics, A/Solids</i> , 2019 , 73, 67-89	3.7	2
39	A new methodology for the estimation of wheel-rail contact forces at a high-frequency range. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018 , 232, 2353-2370	1.4	5
38	3D transient elasto-plastic finite element analysis of a flatted railway wheel in rolling contact. <i>Mechanics Based Design of Structures and Machines</i> , 2018 , 46, 751-766	1.7	9
37	Analytical Formulation for Temperature Evolution in Flat Wheel-Rail Sliding Surfaces. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-7	1.1	1
36	Scattering of elastic P- and SV-waves by a circular coated nanofiber based on Gurtin-Murdoch model of surface elasticity: Scattering cross section results. <i>Mechanics of Advanced Materials and Structures</i> , 2017 , 24, 469-481	1.8	1
35	Rational variational approaches to strong nonlinear oscillations. <i>International Journal of Applied and Computational Mathematics</i> , 2017 , 3, 757-771	1.3	5
34	Dynamic Stress Concentrations Due to Scattering of Elastic SV Waves from a Coated Nanoinclusion with Considerations in the Interfacial Region. <i>Journal of Mechanics</i> , 2017 , 33, 279-288	1	
33	Fracture toughness estimation of ballast stone used in Iranian railway. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017 , 9, 892-899	5.3	6
32	Optimal strain gauge placement in instrumented wheelset for measuring wheel-rail contact forces. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017 , 18, 1519-1527	1.7	4
31	Frequency analysis of nonlinear oscillations via the global error minimization. <i>Nonlinear Engineering</i> , 2016 ,	3	3
30	The energy balance to nonlinear oscillations via Jacobi collocation method. <i>AEJ - Alexandria Engineering Journal</i> , 2015 , 54, 99-103	6.1	7

29	Studying energy absorption in tapered thick walled tubes. <i>Latin American Journal of Solids and Structures</i> , 2015 , 12, 173-204	1.4	0
28	Thermal load effects on fatigue life of a cracked railway wheel. <i>Latin American Journal of Solids and Structures</i> , 2015 , 12, 1144-1157	1.4	4
27	Effect of surface elasticity on scattering of elastic P-waves from a nanofiber including an inhomogeneous interphase. <i>Composite Interfaces</i> , 2015 , 22, 95-125	2.3	3
26	Fatigue Analysis of Railway Wheels Under Combined Thermal and Mechanical Loads. <i>Journal of Thermal Stresses</i> , 2014 , 37, 34-50	2.2	11
25	Prediction of Residual Stress Distribution in Flash Butt Welded Rails using Electro-Thermo-Mechanical Simulation. <i>International Journal of Vehicle Structures and Systems</i> , 2014 , 5,	2.1	2
24	IMPROVING CRASHWORTHINESS IN RAILCAR AGAINST ROLLOVER. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2012 , 36, 383-397	1.1	7
23	Study on crashworthiness of wagon W frame under frontal impact. <i>International Journal of Crashworthiness</i> , 2011 , 16, 25-39	1	14
22	Study on Crashworthiness Characteristics of Several Concentric Thin Wall Tubes 2010 ,		2
21	Study on characteristics of a crashworthy high-speed train nose. <i>International Journal of Crashworthiness</i> , 2010 , 15, 161-173	1	29
20	Study on high-speed train nose under frontal and side impact. <i>Pollack Periodica</i> , 2010 , 5, 99-121	0.7	
19	Fatigue crack initiation life prediction of railroad. <i>Journal of Physics: Conference Series</i> , 2009 , 181, 012038	0.3	2
18	Study on the collapse of tapered tubes subjected to oblique loads. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2008 , 222, 2025-2039	1.4	17
17	Effects of new materials on the crashworthiness of S-rails. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2008 , 222, 37-44	1.3	
16	Collapse study of thin-walled polygonal section columns subjected to oblique loads. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2007 , 221, 801-810	1.4	20
15	Effects of ribs on S-frame crashworthiness. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2006 , 220, 1679-1689	1.4	9
14	Two materials S-frame representation for improving crashworthiness and lightening. <i>Thin-Walled Structures</i> , 2006 , 44, 407-414	4.7	30
13	Analysis of Thermoelastic Crack Problems Using Green-Lindsay Theory. <i>Journal of Thermal Stresses</i> , 2006 , 29, 317-330	2.2	12
12	Boundary element analysis of stress intensity factor KI in some two-dimensional dynamic thermoelastic problems. <i>Engineering Analysis With Boundary Elements</i> , 2005 , 29, 232-240	2.6	32

11	IMPORTANCE OF INERTIA TERM IN DYNAMIC CRACK PROBLEMS CONSIDERING LORDSHULMAN THEORY OF THERMOELASTICITY. <i>Journal of Thermal Stresses</i> , 2005 , 28, 267-283	2.2	3
10	Stress and temperature distribution at layer interface excited by pulsed laser heating. <i>Journal of Strain Analysis for Engineering Design</i> , 2005 , 40, 395-402	1.3	
9	Dynamic crack analysis under thermal shock considering LordShulman theory. <i>International Journal of Thermal Sciences</i> , 2004 , 43, 1003-1010	4.1	14
8	Generalized thermoelastic analysis of layer interface excited by pulsed laser heating. <i>Engineering Analysis With Boundary Elements</i> , 2003 , 27, 863-869	2.6	9
7	Boundary element analysis of finite domains under thermal and mechanical shock with the Lord-Shulman theory. <i>Journal of Strain Analysis for Engineering Design</i> , 2003 , 38, 53-64	1.3	22
6	Boundary Element Formulation for Thermal Stresses During Pulsed Laser Heating. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2001 , 68, 480-489	2.7	19
5	Dynamic Crack Analysis Under Coupled Thermoelastic Assumption. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2001 , 68, 584-588	2.7	23
4	BEM analysis of thermal and mechanical shock in a two-dimensional finite domain considering coupled thermoelasticity. <i>Engineering Analysis With Boundary Elements</i> , 2000 , 24, 249-257	2.6	42
3	Boundary Element Analysis of Coupled Thermoelasticity with Relaxation Times in Finite Domain. <i>AIAA Journal</i> , 2000 , 38, 534-541	2.1	41
2	BOUNDARY ELEMENT ANALYSIS OF GREEN AND LINDSAY THEORY UNDER THERMAL AND MECHANICAL SHOCK IN A FINITE DOMAIN. <i>Journal of Thermal Stresses</i> , 2000 , 23, 773-792	2.2	7
1	Two-dimensional time-harmonic dynamic coupled thermoelasticity analysis by boundary element method formulation. <i>Engineering Analysis With Boundary Elements</i> , 1998 , 22, 245-250	2.6	11