Parisa Hosseini Tehrani

List of Publications by Citations

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	BEM analysis of thermal and mechanical shock in a two-dimensional finite domain considering coupled thermoelasticity. *Engineering Analysis With Boundary Elements*, **2000**, 24, 249-257	2.6	42
45	Boundary Element Analysis of Coupled Thermoelasticity with Relaxation Times in Finite Domain. *AIAA Journal*, **2000**, 38, 534-541	2.1	41
44	Boundary element analysis of stress intensity factor KI in some two-dimensional dynamic thermoelastic problems. *Engineering Analysis With Boundary Elements*, **2005**, 29, 232-240	2.6	32
43	Two materials S-frame representation for improving crashworthiness and lightening. *Thin-Walled Structures*, **2006**, 44, 407-414	4.7	30
42	Study on characteristics of a crashworthy high-speed train nose. *International Journal of Crashworthiness*, **2010**, 15, 161-173	1	29
41	Dynamic Crack Analysis Under Coupled Thermoelastic Assumption. *Journal of Applied Mechanics, Transactions ASME*, **2001**, 68, 584-588	2.7	23
40	Boundary element analysis of finite domains under thermal and mechanical shock with the Lord-Shulman theory. *Journal of Strain Analysis for Engineering Design*, **2003**, 38, 53-64	1.3	22
39	Collapse study of thin-walled polygonal section columns subjected to oblique loads. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, **2007**, 221, 801-810	1.4	20
38	Boundary Element Formulation for Thermal Stresses During Pulsed Laser Heating. *Journal of Applied Mechanics, Transactions ASME*, **2001**, 68, 480-489	2.7	19
37	Study on the collapse of tapered tubes subjected to oblique loads. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, **2008**, 222, 2025-2039	1.4	17
36	Study on crashworthiness of wagon W frame under frontal impact. *International Journal of Crashworthiness*, **2011**, 16, 25-39	1	14
35	Dynamic crack analysis under thermal shock considering Lord Shulman theory. *International Journal of Thermal Sciences*, **2004**, 43, 1003-1010	4.1	14
34	Analysis of Thermoelastic Crack Problems Using Green Lindsay Theory. *Journal of Thermal Stresses*, **2006**, 29, 317-330	2.2	12
33	Fatigue Analysis of Railway Wheels Under Combined Thermal and Mechanical Loads. *Journal of Thermal Stresses*, **2014**, 37, 34-50	2.2	11
32	Two-dimensional time-harmonic dynamic coupled thermoelasticity analysis by boundary element method formulation. *Engineering Analysis With Boundary Elements*, **1998**, 22, 245-250	2.6	11
31	3D transient elasto-plastic finite element analysis of a flatted railway wheel in rolling contact. *Mechanics Based Design of Structures and Machines*, **2018**, 46, 751-766	1.7	9
30	Effects of ribs on S-frame crashworthiness. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, **2006**, 220, 1679-1689	1.4	9

29	Generalized thermoelastic analysis of layer interface excited by pulsed laser heating. *Engineering Analysis With Boundary Elements*, **2003**, 27, 863-869	2.6	9
28	The energy balance to nonlinear oscillations via Jacobi collocation method. *AEJ - Alexandria Engineering Journal*, **2015**, 54, 99-103	6.1	7
27	IMPROVING CRASHWORTHINESS IN RAILCAR AGAINST ROLLOVER. *Transactions of the Canadian Society for Mechanical Engineering*, **2012**, 36, 383-397	1.1	7
26	BOUNDARY ELEMENT ANALYSIS OF GREEN AND LINDSAY THEORY UNDER THERMAL AND MECHANICAL SHOCK IN A FINITE DOMAIN. *Journal of Thermal Stresses*, **2000**, 23, 773-792	2.2	7
25	Fracture toughness estimation of ballast stone used in Iranian railway. *Journal of Rock Mechanics and Geotechnical Engineering*, **2017**, 9, 892-899	5.3	6
24	Rational variational approaches to strong nonlinear oscillations. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 757-771	1.3	5
23	A new methodology for the estimation of wheel□rail contact forces at a high-frequency range. *Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit*, **2018**, 232, 2353-2370	1.4	5
22	Optimal strain gauge placement in instrumented wheelset for measuring wheel-rail contact forces. *International Journal of Precision Engineering and Manufacturing*, **2017**, 18, 1519-1527	1.7	4
21	Thermal load effects on fatigue life of a cracked railway wheel. *Latin American Journal of Solids and Structures*, **2015**, 12, 1144-1157	1.4	4
20	Experimental and numerical investigation of the characteristics of flash-butt joints used in continuously welded rails. *Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit*, **2020**, 234, 65-79	1.4	4
19	Modeling temperature evolution of wheel flat during formation. *International Journal of Thermal Sciences*, **2019**, 140, 114-126	4.1	3
18	Effect of surface elasticity on scattering of elastic P-waves from a nanofiber including an inhomogeneous interphase. *Composite Interfaces*, **2015**, 22, 95-125	2.3	3
17	IMPORTANCE OF INERTIA TERM IN DYNAMIC CRACK PROBLEMS CONSIDERING LORD□SHULMAN THEORY OF THERMOELASTICITY. *Journal of Thermal Stresses*, **2005**, 28, 267-283	2.2	3
16	Frequency analysis of nonlinear oscillations via the global error minimization. *Nonlinear Engineering* , **2016**,	3	3
15	Investigation of residual stress and optimization of welding process parameters to decrease tensile residual stress in the flash butt welded UIC60 rail. *Mechanics Based Design of Structures and Machines*, **2020**, 1-15	1.7	2
14	Interface/interphase effects on scattering of elastic P- and SV-waves from a circular nanoinclusion embedded in a solid viscoelastic matrix. *European Journal of Mechanics, A/Solids*, **2019**, 73, 67-89	3.7	2
13	Prediction of Residual Stress Distribution in Flash Butt Welded Rails using Electro-Thermo-Mechanical Simulation. *International Journal of Vehicle Structures and Systems*, **2014**, 5,	2.1	2
12	Study on Crashworthiness Characteristics of Several Concentric Thin Wall Tubes **2010**,		2

11	Fatigue crack initiation life prediction of railroad. *Journal of Physics: Conference Series*, **2009**, 181, 012038	0.3	2
10	Scattering of elastic P- and SV-waves by a circular coated nanofiber based on Gurtin–Murdoch model of surface elasticity: Scattering cross section results. *Mechanics of Advanced Materials and Structures*, **2017**, 24, 469-481	1.8	1
9	A New Combined Model for considering the Plasticity Effects in Contacting Asperities. *Mathematical Problems in Engineering*, **2020**, 2020, 1-12	1.1	1
8	Analytical Formulation for Temperature Evolution in Flat Wheel-Rail Sliding Surfaces. *Mathematical Problems in Engineering*, **2018**, 2018, 1-7	1.1	1
7	Numerical calculation of crack driving force using the configurational force concept for elastic–plastic rail cracks. *Strength, Fracture and Complexity*, **2020**, 13, 45-64	0.7	0
6	Studying energy absorption in tapered thick walled tubes. *Latin American Journal of Solids and Structures*, **2015**, 12, 173-204	1.4	0
5	Increasing fatigue crack initiation life in butt-welded UIC60 rail by optimization of welding process parameters. *International Journal of Fatigue*, **2021**, 151, 106367	5	0
4	Dynamic Stress Concentrations Due to Scattering of Elastic SV Waves from a Coated Nanoinclusion with Considerations in the Interfacial Region. *Journal of Mechanics*, **2017**, 33, 279-288	1	
3	Study on high-speed train nose under frontal and side impact. *Pollack Periodica*, **2010**, 5, 99-121	0.7	
2	Effects of new materials on the crashworthiness of S-rails. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2008**, 222, 37-44	1.3	
1	Stress and temperature distribution at layer interface excited by pulsed laser heating. *Journal of Strain Analysis for Engineering Design*, **2005**, 40, 395-402	1.3	