

# Kazem Reza Kashyzadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

882  
citations

516710

16  
h-index

501196

28  
g-index

53  
all docs

53  
docs citations

53  
times ranked

354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue life analysis in the residual stress field due to resistance spot welding process considering different sheet thicknesses and dissimilar electrode geometries. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2023, 237, 33-51.	1.1	2
2	Collapse analysis of Al 6061 alloy conical shells with circular cutouts under axial loading: experiment and simulation. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 704-714.	1.1	2
3	Detection and Analysis of Corrosion and Contact Resistance Faults of TiN and CrN Coatings on 410 Stainless Steel as Bipolar Plates in PEM Fuel Cells. Sensors, 2022, 22, 750.	3.8	18
4	Mechanical characterization and creep strengthening of AZ91 magnesium alloy by addition of yttrium oxide nanoparticles. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 1489-1500.	1.1	2
5	Application of Deep Neural Network to Predict the High-Cycle Fatigue Life of AISI 1045 Steel Coated by Industrial Coatings. Journal of Marine Science and Engineering, 2022, 10, 128.	2.6	13
6	Prediction of Concrete Compressive Strength Using a Back-Propagation Neural Network Optimized by a Genetic Algorithm and Response Surface Analysis Considering the Appearance of Aggregates and Curing Conditions. Buildings, 2022, 12, 438.	3.1	13
7	Fatigue Life Analysis of Automotive Cast Iron Knuckle under Constant and Variable Amplitude Loading Conditions. Applied Mechanics, 2022, 3, 517-532.	1.5	13
8	An Experimental Analysis to Determine the Load-Bearing Capacity of 3D Printed Metals. Materials, 2022, 15, 4333.	2.9	10
9	Gene Expression Programming for Estimating Shear Strength of RC Squat Wall. Buildings, 2022, 12, 918.	3.1	5
10	Novel Approach to Predicting Soil Permeability Coefficient Using Gaussian Process Regression. Sustainability, 2022, 14, 8781.	3.2	10
11	High-temperature tensile behavior and high-cycle fatigue properties of Mg-7Li-1Zn alloy. Materials Today: Proceedings, 2021, 46, 1693-1698.	1.8	3
12	Effects of Conventional and Severe Shot Peening on Residual Stress and Fatigue Strength of Steel AISI 1060 and Residual Stress Relaxation Due to Fatigue Loading: Experimental and Numerical Simulation. Metals and Materials International, 2021, 27, 2575-2591.	3.4	51
13	Low-cycle fatigue behavior of H-shaped steel piles of an integral concrete bridge subjected to temperature variations. Materials Today: Proceedings, 2021, 46, 1657-1662.	1.8	9
14	Effects of Road Roughness, Aerodynamics, and Weather Conditions on Automotive Wheel Force. International Journal of Engineering Transactions B: Applications, 2021, 34, .	0.5	2
15	An Optimum Fatigue Design of Polymer Composite Compressed Natural Gas Tank Using Hybrid Finite Element-Response Surface Methods. Polymers, 2021, 13, 483.	4.5	28
16	A systematic study on the effects of shot peening on a mild carbon steel: Microstructure, mechanical properties, and axial fatigue strength of smooth and notched specimens. Applied Surface Science Advances, 2021, 4, 100071.	6.8	26
17	Application of Taguchi Approach to Forecast the Wages of Persian Silk Carpet Weavers. International Journal of Engineering and Management Research, 2021, 11, .	0.2	1
18	Influences of Shot Peening Parameters on Mechanical Properties and Fatigue Behavior of 316 L Steel: Experimental, Taguchi Method and Response Surface Methodology. Metals and Materials International, 2021, 27, 4418-4440.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Model for determining optimal routes in complex transport systems. <i>Transportation Research Procedia</i> , 2021, 57, 679-687.	1.5	4
20	A Comprehensive Review on Design, Monitoring, and Failure in Fixed Offshore Platforms. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1349.	2.6	29
21	Multiaxial Fatigue Life Assessment of Integral Concrete Bridge with a Real-Scale and Complicated Geometry Due to the Simultaneous Effects of Temperature Variations and Sea Waves Clash. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1433.	2.6	11
22	A new algorithm for fatigue life assessment of automotive safety components based on the probabilistic approach: The case of the steering knuckle. <i>Engineering Science and Technology, an International Journal</i> , 2020, 23, 392-404.	3.2	17
23	Experimental and Numerical Study of the Static Performance of a Hoop-Wrapped CNG Composite Cylinder Considering Its Variable Wall Thickness and Polymer Liner. <i>Mechanics of Composite Materials</i> , 2020, 56, 339-352.	1.4	12
24	Fatigue Life Assessment of Integral Concrete Bridges with H Cross-Section Steel Piles Mounted in Water. <i>Journal of Failure Analysis and Prevention</i> , 2020, 20, 1661-1672.	0.9	7
25	Optimum Design of Sunken Reinforced Enclosures under Buckling Condition. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8449.	2.5	4
26	Estimation of Critical Dimensions for the Crack and Pitting Corrosion Defects in the Oil Storage Tank Using Finite Element Method and Taguchi Approach. <i>Metals</i> , 2020, 10, 1372.	2.3	14
27	Effects of Axial and Multiaxial Variable Amplitude Loading Conditions on the Fatigue Life Assessment of Automotive Steering Knuckle. <i>Journal of Failure Analysis and Prevention</i> , 2020, 20, 455-463.	0.9	20
28	Applications of ultrasonic testing and machine learning methods to predict the static & fatigue behavior of spot-welded joints. <i>Journal of Manufacturing Processes</i> , 2020, 52, 26-34.	5.9	70
29	A comparative study on the fatigue life of the vehicle body spot welds using different numerical techniques: Inertia relief and Modal dynamic analyses. <i>Frattura Ed Integrità Strutturale</i> , 2020, 14, 67-81.	0.9	11
30	Analysis of Resistance Spot Welding Process Parameters Effect on the Weld Quality of Three-steel Sheets Used in Automotive Industry: Experimental and Finite Element Simulation. <i>International Journal of Engineering, Transactions A: Basics</i> , 2020, 33, .	0.4	6
31	Effects of Drying Temperature and Aggregate Shape on the Concrete Compressive Strength: Experiments and Data Mining Techniques. <i>International Journal of Engineering, Transactions B: Applications</i> , 2020, 33, .	0.7	1
32	Experimental and Numerical Analysis of Permeability in Porous Media. <i>International Journal of Engineering Transactions B: Applications</i> , 2020, 33, .	0.5	1
33	Surface layer nanocrystallization of carbon steels subjected to severe shot peening: Analysis and optimization. <i>Materials Characterization</i> , 2019, 157, 109877.	4.4	45
34	Efficiency Analysis of Shot Peening Parameters on Variations of Hardness, Grain Size and Residual Stress via Taguchi Approach. <i>Metals and Materials International</i> , 2019, 25, 1436-1447.	3.4	43
35	Parametric analysis of collapse load factor of planar frames. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	1
36	Effects of conventional, severe, over, and re-shot peening processes on the fatigue behavior of mild carbon steel. <i>Surface and Coatings Technology</i> , 2018, 344, 62-74.	4.8	97

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37	Experimental accuracy assessment of various high-cycle fatigue criteria for a critical component with a complicated geometry and multi-input random non-proportional 3D stress components. <i>Engineering Failure Analysis</i> , 2018, 90, 534-553.	4.0	24
38	Fatigue behavior prediction and analysis of shot peened mild carbon steels. <i>International Journal of Fatigue</i> , 2018, 116, 48-67.	5.7	92
39	Failure analysis of bolt connections in fired heater of a petrochemical unit. <i>Engineering Failure Analysis</i> , 2018, 92, 327-342.	4.0	10
40	Experimental Investigation and Artificial Neural Network Modeling of Warm Galvanization and Hardened Chromium Coatings Thickness Effects on Fatigue Life of AISI 1045 Carbon Steel. <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 1276-1287.	0.9	30
41	Mass reduction for arm suspension of vehicle by using optimal design parameters. <i>International Journal of Vehicle Systems Modelling and Testing</i> , 2016, 11, 271.	0.1	0
42	Finite Element Study on the Vibration of Functionally Graded Beam with Different Temperature Conditions. <i>Advances in Materials</i> , 2016, 5, 57.	1.0	6
43	Mass reduction for arm suspension of vehicle by using optimal design parameters. <i>International Journal of Vehicle Systems Modelling and Testing</i> , 2016, 11, 271.	0.1	1
44	Investigating the effect of road roughness on automotive component. <i>Engineering Failure Analysis</i> , 2014, 41, 96-107.	4.0	33
45	Study of the Effect of Different Industrial Coating with Microscale Thickness on the CK45 Steel by Experimental and Finite Element Methods. <i>Strength of Materials</i> , 2013, 45, 748-757.	0.5	27
46	Numerical Investigation of the Influence of Friction, Module and Number of Teeth in Forging Process of a Spur Gear. <i>Advanced Materials Research</i> , 2012, 472-475, 2116-2120.	0.3	2
47	Experimental and Finite Element Analysis Approach for Fatigue of Unidirectional Fibrous Composites. <i>Applied Mechanics and Materials</i> , 0, 87, 106-112.	0.2	7
48	Investigating Effect of Industrial Coatings on Fatigue Damage. <i>Applied Mechanics and Materials</i> , 0, 87, 230-237.	0.2	18
49	Investigation of Mechanical Properties of Unidirectional Fibrous Composite by Micro-Mechanics Model. <i>Advanced Materials Research</i> , 0, 487, 481-486.	0.3	1
50	Study Effects of Vehicle Velocity on a Road Surface Roughness Simulation. <i>Applied Mechanics and Materials</i> , 0, 372, 650-656.	0.2	10