

# 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	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
2	Fatigue behavior prediction and analysis of shot peened mild carbon steels. <i>International Journal of Fatigue</i> , 2018, 116, 48-67.	5.7	92
3	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
4	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. <i>Metals and Materials International</i> , 2021, 27, 2575-2591.	3.4	51
5	Surface layer nanocrystallization of carbon steels subjected to severe shot peening: Analysis and optimization. <i>Materials Characterization</i> , 2019, 157, 109877.	4.4	45
6	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
7	Investigating the effect of road roughness on automotive component. <i>Engineering Failure Analysis</i> , 2014, 41, 96-107.	4.0	33
8	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
9	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
10	An Optimum Fatigue Design of Polymer Composite Compressed Natural Gas Tank Using Hybrid Finite Element-Response Surface Methods. <i>Polymers</i> , 2021, 13, 483.	4.5	28
11	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
12	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. <i>Applied Surface Science Advances</i> , 2021, 4, 100071.	6.8	26
13	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
14	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
15	Investigating Effect of Industrial Coatings on Fatigue Damage. <i>Applied Mechanics and Materials</i> , 0, 87, 230-237.	0.2	18
16	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. <i>Sensors</i> , 2022, 22, 750.	3.8	18
17	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
18	Influences of Shot Peening Parameters on Mechanical Properties and Fatigue Behavior of 316 L Steel: Experimental, Taguchi Method and Response Surface Methodology. <i>Metals and Materials International</i> , 2021, 27, 4418-4440.	3.4	16

#	ARTICLE	IF	CITATIONS
19	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
20	Application of Deep Neural Network to Predict the High-Cycle Fatigue Life of AISI 1045 Steel Coated by Industrial Coatings. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 128.	2.6	13
21	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. <i>Buildings</i> , 2022, 12, 438.	3.1	13
22	Fatigue Life Analysis of Automotive Cast Iron Knuckle under Constant and Variable Amplitude Loading Conditions. <i>Applied Mechanics</i> , 2022, 3, 517-532.	1.5	13
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	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 Integrita Strutturale</i> , 2020, 14, 67-81.	0.9	11
25	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
26	Study Effects of Vehicle Velocity on a Road Surface Roughness Simulation. <i>Applied Mechanics and Materials</i> , 0, 372, 650-656.	0.2	10
27	Failure analysis of bolt connections in fired heater of a petrochemical unit. <i>Engineering Failure Analysis</i> , 2018, 92, 327-342.	4.0	10
28	An Experimental Analysis to Determine the Load-Bearing Capacity of 3D Printed Metals. <i>Materials</i> , 2022, 15, 4333.	2.9	10
29	Novel Approach to Predicting Soil Permeability Coefficient Using Gaussian Process Regression. <i>Sustainability</i> , 2022, 14, 8781.	3.2	10
30	Low-cycle fatigue behavior of H-shaped steel piles of an integral concrete bridge subjected to temperature variations. <i>Materials Today: Proceedings</i> , 2021, 46, 1657-1662.	1.8	9
31	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
32	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
33	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
34	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
35	Gene Expression Programming for Estimating Shear Strength of RC Squat Wall. <i>Buildings</i> , 2022, 12, 918.	3.1	5
36	Optimum Design of Sunken Reinforced Enclosures under Buckling Condition. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8449.	2.5	4

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37	Model for determining optimal routes in complex transport systems. Transportation Research Procedia, 2021, 57, 679-687.	1.5	4
38	High-temperature tensile behavior and high-cycle fatigue properties of Mg-7Li-1Zn alloy. Materials Today: Proceedings, 2021, 46, 1693-1698.	1.8	3
39	Numerical Investigation of the Influence of Friction, Module and Number of Teeth in Forging Process of a Spur Gear. Advanced Materials Research, 2012, 472-475, 2116-2120.	0.3	2
40	Effects of Road Roughness, Aerodynamics, and Weather Conditions on Automotive Wheel Force. International Journal of Engineering Transactions B: Applications, 2021, 34, .	0.5	2
41	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
42	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
43	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
44	Investigation of Mechanical Properties of Unidirectional Fibrous Composite by Micro-Mechanics Model. Advanced Materials Research, 0, 487, 481-486.	0.3	1
45	Parametric analysis of collapse load factor of planar frames. SN Applied Sciences, 2019, 1, 1.	2.9	1
46	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
47	Effects of Drying Temperature and Aggregate Shape on the Concrete Compressive Strength: Experiments and Data Mining Techniques. International Journal of Engineering, Transactions B: Applications, 2020, 33, .	0.7	1
48	Mass reduction for arm suspension of vehicle by using optimal design parameters. International Journal of Vehicle Systems Modelling and Testing, 2016, 11, 271.	0.1	1
49	Experimental and Numerical Analysis of Permeability in Porous Media. International Journal of Engineering Transactions B: Applications, 2020, 33, .	0.5	1
50	Mass reduction for arm suspension of vehicle by using optimal design parameters. International Journal of Vehicle Systems Modelling and Testing, 2016, 11, 271.	0.1	0