Mohammad Reza Khosravani

List of Publications by Year
in descending order

52	2,181	186209	233338
papers	citations	28 h-index	45 g-index

53	53	53	1801
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intelligent knowledge-based system to improve injection molding process. Journal of Industrial Information Integration, 2022, 25, 100275.	4.3	13
2	Characterization of 3D-printed PLA parts with different raster orientations and printing speeds. Scientific Reports, 2022, 12, 1016.	1.6	69
3	Effects of fiber on the fracture behavior of 3D-printed fiber reinforced nylon. Procedia Structural Integrity, 2022, 35, 59-65.	0.3	9
4	Fracture studies of 3D-printed continuous glass fiber reinforced composites. Theoretical and Applied Fracture Mechanics, 2022, 119, 103317.	2.1	44
5	Failure analysis of 3D-printed PLA components: Impact of manufacturing defects and thermal ageing. Engineering Failure Analysis, 2022, 136, 106214.	1.8	20
6	Fracture studies of 3D-printed PLA-wood composite. Procedia Structural Integrity, 2022, 37, 97-104.	0.3	2
7	On the use of peridynamics in fracture of ultra-high performance concrete. Mechanics Research Communications, 2022, 123, 103899.	1.0	6
8	Fracture behavior of anisotropic 3D-printed parts: experiments and numerical simulations. Journal of Materials Research and Technology, 2022, 19, 1260-1270.	2.6	33
9	Mechanical strength of 3D-printed open hole polymer plates. Procedia Structural Integrity, 2022, 41, 664-669.	0.3	2
10	Fracture behavior of intact and defected 3D-printed parts. Procedia Structural Integrity, 2021, 31, 105-110.	0.3	16
11	On the Post-Processing of 3D-Printed ABS Parts. Polymers, 2021, 13, 1559.	2.0	27
12	Inverse characterization of UHPC material based on Hopkinson bar test. Applications in Engineering Science, 2021, 6, 100043.	0.5	6
13	Experimental characterization of 3D-printed sound absorber. European Journal of Mechanics, A/Solids, 2021, 89, 104304.	2.1	14
14	Structural integrity of adhesively bonded 3D-printed joints. Polymer Testing, 2021, 100, 107262.	2.3	39
15	Machine learning in predicting mechanical behavior of additively manufactured parts. Journal of Materials Research and Technology, 2021, 14, 1137-1153.	2.6	90
16	Multiaxial low cycle fatigue of notched 10CrNi3MoV steel and its undermatched welds. International Journal of Fatigue, 2021, 150, 106309.	2.8	7
17	Fracture and structural performance of adhesively bonded 3D-printed PETG single lap joints under different printing parameters. Theoretical and Applied Fracture Mechanics, 2021, 116, 103087.	2.1	21
18	Injection molding manufacturing process: review of case-based reasoning applications. Journal of Intelligent Manufacturing, 2020, 31, 847-864.	4.4	60

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19	Structural performance of 3D-printed composites under various loads and environmental conditions. Polymer Testing, 2020, 91, 106770.	2.3	59
20	Fracture behavior of additively manufactured components: A review. Theoretical and Applied Fracture Mechanics, 2020, 109, 102763.	2.1	51
21	On the Use of X-ray Computed Tomography in Assessment of 3D-Printed Components. Journal of Nondestructive Evaluation, 2020, 39, 1.	1.1	67
22	The influence of in-plane raster angle on tensile and fracture strengths of 3D-printed PLA specimens. Engineering Fracture Mechanics, 2020, 237, 107225.	2.0	76
23	Progress and challenges in fabrication of wearable sensors for health monitoring. Sensors and Actuators A: Physical, 2020, 312, 112105.	2.0	153
24	Influence of thermal ageing on the fracture and lifetime of additively manufactured mold inserts. Engineering Failure Analysis, 2020, 115, 104694.	1.8	20
25	3D-printed sensors: Current progress and future challenges. Sensors and Actuators A: Physical, 2020, 305, 111916.	2.0	184
26	Fracture Resistance Analysis of 3D-Printed Polymers. Polymers, 2020, 12, 302.	2.0	48
27	Fracture and load-carrying capacity of 3D-printed cracked components. Extreme Mechanics Letters, 2020, 37, 100692.	2.0	45
28	On the environmental impacts of 3D printing technology. Applied Materials Today, 2020, 20, 100689.	2.3	118
29	Effects of raster layup and printing speed on strength of 3D-printed structural components. Procedia Structural Integrity, 2020, 28, 720-725.	0.3	49
30	Influence of strain rate on fracture behavior of sandwich composite T-joints. European Journal of Mechanics, A/Solids, 2019, 78, 103821.	2.1	30
31	Faults and failures prediction in injection molding process. International Journal of Advanced Manufacturing Technology, 2019, 103, 2469-2484.	1.5	14
32	Mechanical behavior of restorative dental composites under various loading conditions. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 93, 151-157.	1.5	37
33	Dynamic fracture investigations of ultra-high performance concrete by spalling tests. Engineering Structures, 2019, 201, 109844.	2.6	47
34	Prediction of dynamic properties of ultra-high performance concrete by an artificial intelligence approach. Advances in Engineering Software, 2019, 127, 51-58.	1.8	35
35	Application of case-based reasoning in a fault detection system on production of drippers. Applied Soft Computing Journal, 2019, 75, 227-232.	4.1	44
36	DUPLICATE: FE Model-based Construction and Progressive Damage Processes of FRP Composite Laminates with Different Manufacturing Processes. International Journal of Mechanical Sciences, 2018, , .	3.6	2

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37	FE model-based construction and progressive damage processes of FRP composite laminates with different manufacturing processes. International Journal of Mechanical Sciences, 2018, 141, 223-235.	3.6	56
38	Fracture studies of Ultra-High Performance Concrete using dynamic Brazilian tests. Theoretical and Applied Fracture Mechanics, 2018, 93, 302-310.	2.1	83
39	Prediction of fracture in sandwich-structured composite joints using case-based reasoning approach. Procedia Structural Integrity, 2018, 13, 168-173.	0.3	13
40	On the tensile resistance of UHPC at impact. European Physical Journal: Special Topics, 2018, 227, 167-177.	1.2	37
41	A review on split Hopkinson bar experiments on the dynamic characterisation of concrete. Construction and Building Materials, 2018, 190, 1264-1283.	3.2	111
42	Characterization of sandwich composite T-joints under different ageing conditions. Composite Structures, 2018, 197, 80-88.	3.1	44
43	Hopkinson bar experiments as a method to determine impact properties of brittle and ductile materials. GAMM Mitteilungen, 2018, 41, e201800008.	2.7	15
44	Experimental investigations of the environmental effects on stability and integrity of composite sandwich T-joints. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 753-759.	0.5	34
45	Fracture mechanics and mechanical fault detection by artificial intelligence methods: A review. Engineering Failure Analysis, 2017, 81, 270-293.	1.8	119
46	Investigations on dynamic fracture of ultra-high performance concrete by Brazilian tests. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 251-252.	0.2	1
47	Experimental characterization of dynamic properties of honeycomb sandwich joints and plates. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 145-146.	0.2	0
48	Theoretical analysis on nonlinear vibration of fluid flow in single-walled carbon nanotube. Iranian Physical Journal, 2016, 10, 211-218.	1.2	35
49	Unwanted noise and vibration control using finite element analysis and artificial intelligence. Applied Mathematical Modelling, 2014, 38, 2435-2453.	2.2	30
50	Fracture toughness investigations on UHPC by spalling tests. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 139-140.	0.2	1
51	Composite Materials Manufacturing Processes. Applied Mechanics and Materials, 0, 110-116, 1361-1367.	0.2	25
52	Influences of Defects on the Performance of Adhesively Bonded Sandwich Joints. Key Engineering Materials, 0, 789, 45-50.	0.4	19