

Marian Handrik

List of Publications by Year in descending order

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50
papers

296
citations

1040056

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996975

15
g-index

51
all docs

51
docs citations

51
times ranked

194
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Stress Intensity Factor on Weld Surface. MATEC Web of Conferences, 2022, 357, 02005.	0.2	0
2	Numerical analysis and optimization of large dimensioned structures considering stress concentrations in welded joint. MATEC Web of Conferences, 2022, 357, 02002.	0.2	0
3	FEM Simulation of Non-proportional Multiaxial Fatigue Damage. MATEC Web of Conferences, 2022, 357, 02006.	0.2	2
4	Tensile Properties of Additively Manufactured Thermoplastic Composites Reinforced with Chopped Carbon Fibre. Materials, 2022, 15, 4224.	2.9	9
5	Stress analysis of specimen with a reinforced thin layer. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012031.	0.6	0
6	Construction design and structural analyse of transfer system. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012032.	0.6	1
7	Numerical study of linearization techniques for Bouc-Wen hysteresis model considering random inputs. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012059.	0.6	0
8	Parallel Image Signal Processing in a Distributed Car Plate Recognition System. , 2020, , .		2
9	Impact Toughness of FRTP Composites Produced by 3D Printing. Materials, 2020, 13, 5654.	2.9	9
10	Thermal-stress analysis of vulcanization molds to determine the dilatation gap between aluminum segments. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012053.	0.6	0
11	Measurement and comparison study of deformation using extensometer and 2D DIC technology. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012065.	0.6	0
12	FE modeling of continuous fiber reinforced thermoplastic composite structures produced by additive manufacturing. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012080.	0.6	1
13	Proposal of Physical Model for Damage Simulation of Composite Structures Produced by 3D Printing. Acta Physica Polonica A, 2020, 138, 245-248.	0.5	4
14	Identification of Physical Characteristic of Composite Materials Produced by Additive Technology from Perspective of Selected Mechanical Properties. Acta Physica Polonica A, 2020, 138, 249-252.	0.5	5
15	Computing of truss structure using MATLAB. Manufacturing Technology, 2020, 20, 279-285.	1.4	3
16	Numerical study of the relation between chosen statistical parameters of input stresses and cumulative fatigue damage provided rainflow decomposition. MATEC Web of Conferences, 2019, 254, 02006.	0.2	1
17	Vertical oscillation investigation of spatially elastically supported rigid plate “ vehicle model. MATEC Web of Conferences, 2019, 254, 03010.	0.2	1
18	Comparing mechanical properties of composites structures on Onyx base with different density and shape of fill. Transportation Research Procedia, 2019, 40, 616-622.	1.5	25

#	ARTICLE	IF	CITATIONS
19	Numerical simulation and experimental verification of torsion fatigue tests for material Weldox. Transportation Research Procedia, 2019, 40, 631-638.	1.5	0
20	Tensile test for specimen with different size and shape of inner structures created by 3D printing. Transportation Research Procedia, 2019, 40, 671-677.	1.5	6
21	FEM analysis of long-fibre composite structures created by 3D printing. Transportation Research Procedia, 2019, 40, 792-799.	1.5	9
22	Modification of the optimization model for simulation of large-diameter pipes bending. MATEC Web of Conferences, 2019, 254, 02024.	0.2	2
23	Design and stress analysis of wheeled compactor construction. MATEC Web of Conferences, 2019, 254, 02012.	0.2	1
24	Fatigue characteristics of welded high strength steel in the low cycle region of loading. MATEC Web of Conferences, 2019, 254, 07002.	0.2	0
25	Comparison of FE analysis and experimentally obtained data for the identification of residual stresses in welded high-strength steel. MATEC Web of Conferences, 2019, 254, 02026.	0.2	0
26	Mechanical properties of structures produced by 3D printing from composite materials. MATEC Web of Conferences, 2019, 254, 01018.	0.2	17
27	CONTRIBUTION TO RANDOM VIBRATION NUMERICAL SIMULATION AND OPTIMISATION OF NONLINEAR MECHANICAL SYSTEMS. Scientific Journal of Silesian University of Technology Series Transport, 2019, 103, 143-154.	0.4	22
28	Influence of Fiber Deposition and Orientation on Stress Distribution in Specimens Produced Using 3D Printing. Strojnický Casopis, 2019, 69, 81-88.	0.9	0
29	Influence of the Shape of the Test Specimen Produced by 3D Printing on the Stress Distribution in the Matrix and in Long Reinforcing Fibers. Strojnický Casopis, 2019, 69, 61-68.	0.9	2
30	Determination the maximum load capacity of the welded structure of the transport carriage in operation. MATEC Web of Conferences, 2018, 157, 02002.	0.2	1
31	Optimization and design of the vulcanization press sandwich pressure plate parameters. MATEC Web of Conferences, 2018, 244, 01005.	0.2	1
32	Analysis of the influence of the pipe's wall thickness on the corrugation of the surface during inductive bending of pipes. MATEC Web of Conferences, 2018, 157, 02044.	0.2	1
33	Comparison of nonuniform and uniform Monte - Carlo Searching. MATEC Web of Conferences, 2018, 244, 01016.	0.2	0
34	Design of a computational model for multi-body contact of deformable bodies in the flowing fluid. MATEC Web of Conferences, 2018, 157, 02012.	0.2	2
35	Numerical analysis of stiffener for hybrid drive unite. MATEC Web of Conferences, 2018, 157, 02015.	0.2	2
36	Parallelization of computational algorithms for optimization problems with high time consumption. MATEC Web of Conferences, 2018, 157, 02054.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Use of the BOINC system for distributed data collection in the "Internet of Things"; MATEC Web of Conferences, 2018, 157, 05009.	0.2	1
38	The damage analysis of the reinforced concrete beam and the prestressed reinforced concrete beam. MATEC Web of Conferences, 2018, 157, 02055.	0.2	1
39	Effective algorithm for structural optimization subjected to fatigue damage and random excitation. Scientific Journal of Silesian University of Technology Series Transport, 2018, 99, 149-161.	0.4	3
40	Analysis of Stress and Strain of Fatigue Specimens Localised in the Cross-sectional Area of the Gauge Section Testing on Bi-axial Fatigue Machine Loaded in the High-cycle Fatigue Region. Procedia Engineering, 2017, 177, 516-519.	1.2	20
41	A Plastic Strain and Stress Analysis of Bending and Torsion Fatigue Specimens in the Low-cycle Fatigue Region Using the Finite Element Methods. Procedia Engineering, 2017, 177, 526-531.	1.2	21
42	The Linear and Nonlinear Stability Loss of Structures Due to Thermal Load. Procedia Engineering, 2016, 136, 359-364.	1.2	19
43	Fatigue Resistance of Reinforcing Steel Bars. Procedia Engineering, 2016, 136, 193-197.	1.2	31
44	Analysis of Force Conditions of the Hot Forming Machine in Rolling-Out of Bearing Rings. Manufacturing Technology, 2015, 15, 821-825.	1.4	8
45	The Numerical Analysis of the Joint of the Steel Beam to the Timber Girder. Procedia Engineering, 2014, 91, 160-164.	1.2	4
46	Use of Trefftz functions in non-linear BEM/FEM. Computers and Structures, 2004, 82, 2351-2360.	4.4	10
47	Finite Displacements in Reciprocity Based Multi-Domain BE/FE Formulations. , 2002, , 11-29.		2
48	Computational Modeling of the Microplasticization State in the Nodular Cast Iron. Applied Mechanics and Materials, 0, 474, 285-290.	0.2	20
49	Numerical Analysis of Stress States for Graphitic Cast Iron Structures. Applied Mechanics and Materials, 0, 611, 252-255.	0.2	6
50	Simulation and Analysis of Defect Distribution in Passenger Car Tire under Dynamic Loading. Applied Mechanics and Materials, 0, 611, 544-547.	0.2	20