

Martin Krejsa

List of Publications by Year in descending order

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76
papers

452
citations

1039880

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docs citations

78
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Fly Ash from the Thermal Transformation of Sewage Sludge as an Additive to Concrete Resistant to Environmental Influences in Communication Tunnels. Applied Sciences (Switzerland), 2022, 12, 1802.	1.3	5
2	Approaches of biaxial testing of membrane materials. AIP Conference Proceedings, 2022, , .	0.3	0
3	Spline functions in problems of structural mechanics. AIP Conference Proceedings, 2022, , .	0.3	0
4	Preface of the "Session on Recent Advances in Numerical Methods and Simulations in Statics and Dynamics of Structures" AIP Conference Proceedings, 2022, , .	0.3	0
5	Vibration Energy Signal Information for Measure Dynamic Preferences of Ceramic Building Materials Using Experimental Modal Analysis Methodology. Materials, 2022, 15, 1452.	1.3	2
6	Numerical Models of the Connection of Thin-Walled Z-Profile Roof Purlins. Materials, 2021, 14, 6573.	1.3	4
7	Experimental and Numerical Evaluation of Clinch Connections of Thin-Walled Building Structures. Sustainability, 2020, 12, 5691.	1.6	6
8	Stress analysis of the membrane structure in the shape of cone. MATEC Web of Conferences, 2020, 310, 00011.	0.1	0
9	Probabilistic fatigue analysis of existing steel structure. MATEC Web of Conferences, 2020, 310, 00012.	0.1	0
10	The general procedure of numerical analysis related to a fatigue damage on the cyclically loaded construction. MATEC Web of Conferences, 2020, 310, 00016.	0.1	0
11	Utilization of Monte Carlo method for modelling of the loading history of cyclically stressed structure. AIP Conference Proceedings, 2020, , .	0.3	2
12	Preface of the "Session on Recent Advances in Numerical Methods and Simulations in Statics and Dynamics of Structures" AIP Conference Proceedings, 2020, , .	0.3	0
13	Probabilistic Fatigue Analysis of the Existing Steel Crane Runway. , 2020, , .		0
14	Stress analysis of basic shapes of membrane structures. AIP Conference Proceedings, 2020, , .	0.3	1
15	Numerical analysis of double C profile connected by clinching technology. AIP Conference Proceedings, 2019, , .	0.3	2
16	Fatigue damage analysis of a riveted steel overhead crane support truss. International Journal of Fatigue, 2019, 128, 105190.	2.8	25
17	Preface of the "Symposium on Recent Advances in Numerical Methods and Simulations in Statics and Dynamics of Structures" AIP Conference Proceedings, 2019, , .	0.3	0
18	Parallelization in DOProC method and its using in probabilistic modelling of fatigue problems. AIP Conference Proceedings, 2019, , .	0.3	2

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19	Reliability assessment of steel bridges based on experimental research. AIP Conference Proceedings, 2019, , .	0.3	7
20	Temperature and Structural Analysis of Omega Clip. International Journal of Steel Structures, 2019, 19, 1295-1301.	0.6	5
21	Refinement of Probability of Failure Estimation in DOProC method. , 2019, , .		0
22	Membrane Structures and Their Use in Civil Engineering. Transactions of the VAB: Technical University of Ostrava, Civil Engineering Series, 2019, 18, .	0.3	2
23	DOPROC METHOD IMPROVEMENTS AND ITS APPLICATION IN STRUCTURAL FATIGUE ANALYSIS. , 2019, , .		0
24	Numerical modeling of steel fillet welded joint. Advances in Engineering Software, 2018, 117, 59-69.	1.8	16
25	Preface of the ‘‘Symposium on Recent Advances in Numerical Methods and Simulations in Statics and Dynamics of Structures’’ AIP Conference Proceedings, 2018, , .	0.3	0
26	Prediction model of corrosion losses based on probabilistic approach. Procedia Structural Integrity, 2018, 13, 825-830.	0.3	3
27	Evaluation of fatigue properties of S355 J0 steel using ProFatigue and ProPagation software. Procedia Structural Integrity, 2018, 13, 1494-1501.	0.3	7
28	Stochastic Service Life Prediction of Existing Steel Structure Loaded by Overhead Cranes. Procedia Structural Integrity, 2018, 13, 1539-1544.	0.3	6
29	Stochastic analysis for short edge cracks under selected loads. AIP Conference Proceedings, 2018, , .	0.3	10
30	Influence of initial imperfections on the behavior of the welded joint. AIP Conference Proceedings, 2018, , .	0.3	0
31	Static behavior of the weld in the joint of the steel support element using experiment and numerical modeling. IOP Conference Series: Earth and Environmental Science, 2018, 143, 012004.	0.2	0
32	Numerical analysis of fatigue damage on selected connection of the crane bridge support structure. , 2018, , .		0
33	Innovative Connection of Steel Profiles, Experimental Verification and Application. Procedia Engineering, 2017, 190, 215-222.	1.2	7
34	Numerical Modeling of Fillet and Butt Welds in Steel Structural Elements with Verification Using Experiment. Procedia Engineering, 2017, 190, 318-325.	1.2	14
35	Fatigue damage prediction of short edge crack under various load: Direct Optimized Probabilistic Calculation. Procedia Structural Integrity, 2017, 5, 1283-1290.	0.3	3
36	Vaclav Vesely 1975–2016. Theoretical and Applied Fracture Mechanics, 2017, 91, 2.	2.1	0

#	ARTICLE	IF	CITATIONS
37	Modelling of Closed Steel Supports for Underground and Mining Works. Key Engineering Materials, 2017, 754, 313-316.	0.4	2
38	Using DOProC method in reliability assessment of steel elements exposed to fatigue. MATEC Web of Conferences, 2017, 107, 00046.	0.1	7
39	Monitoring of Excessive Deformation of Steel Structure Extra-High Voltage Pylons. Periodica Polytechnica: Civil Engineering, 2017, , .	0.6	2
40	Probabilistic prediction of fatigue damage based on linear fracture mechanics. Frattura Ed Integrita Strutturale, 2017, 11, 143-159.	0.5	31
41	Probabilistic reliability assessment of steel elements exposed to fatigue using Bayesian approach. , 2017, , .		0
42	Nonlinear Solution of Steel Arch Supports. Key Engineering Materials, 2016, 713, 119-122.	0.4	1
43	Application of the DOProC Method in Solving Reliability Problems. Applied Mechanics and Materials, 2016, 821, 717-724.	0.2	7
44	Inspection Based Probabilistic Modeling of Fatigue Crack Progression. Procedia Engineering, 2016, 142, 146-153.	1.2	20
45	DOProC-based reliability assessment of steel structures exposed to fatigue. Perspectives in Science, 2016, 7, 228-235.	0.6	7
46	Structural Reliability Analysis Using DOProC Method. Procedia Engineering, 2016, 142, 34-41.	1.2	10
47	Using scaled physical model for assessment of mechanical damping of power plant boiler structure. Perspectives in Science, 2016, 7, 287-291.	0.6	7
48	Reduction of computational operations in the DOProC method. , 2016, , .		0
49	Wind Tunnel Experiments Focused on the Bridge Deck Stability Coefficients. Applied Mechanics and Materials, 2015, 752-753, 662-667.	0.2	1
50	Probabilistic Computational Methods in Structural Failure Analysis. Journal of Multiscale Modeling, 2015, 06, 1550006.	1.0	19
51	Surface Condensation Assessment Using Probabilistic Calculation. Advanced Materials Research, 2015, 1083, 131-136.	0.3	0
52	Measured Data Processing in Civil Structure Using the DOProC Method. Advanced Materials Research, 2013, 859, 114-121.	0.3	15
53	The Use of the Direct Optimized Probabilistic Calculation Method in Design of Bolt Reinforcement for Underground and Mining Workings. Scientific World Journal, The, 2013, 2013, 1-13.	0.8	14
54	Probabilistic Calculation of Fatigue Crack Progression Using Fcprobcalc Code. Transactions of the VAB: Technical University of Ostrava, Civil Engineering Series, 2012, XII, 1-11.	0.3	7

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55	Statistical Dependence of Input Variables in Doproc Method / Statistická Závěšnost Vstupních Velíin V Metodě Popv. Transactions of the VÁB: Technical University of Ostrava, Civil Engineering Series, 2012, 12, 48-58.	0.3	7
56	Determination of Inspections of Structures Subject to Fatigue. Transactions of the VÁB: Technical University of Ostrava, Civil Engineering Series, 2011, XI, 1-9.	0.3	6
57	NEW METHODS OF EVALUATION OF DEFORMATION STRUCTURE EXTRA-HIGH VOLTAGE PYLONS. , 2011, , .		0
58	Software Package Probcalc from the Point of View of a User. Transactions of the VÁB: Technical University of Ostrava, Civil Engineering Series, 2010, X, 1-11.	0.3	5
59	Designing of Anchoring Reinforcement in Underground Workings Using Doproc Method. Transactions of the VÁB: Technical University of Ostrava, Civil Engineering Series, 2010, X, 1-13.	0.3	2
60	Using the Direct Determined Fully Probabilistic Method (DDFPM) for determination of failure. , 2009, , .		13
61	Transition from Deterministic to Probabilistic Structural Steel Reliability Assessment with Special Attention to Stability Problems. , 1999, , 19-26.		1
62	Simulation-based reliability assessment: Tool for efficient steel design. Journal of Constructional Steel Research, 1998, 46, 156-158.	1.7	3
63	Probabilistic Failure Analysis of Steel Structures Exposed to Fatigue. Key Engineering Materials, 0, 577-578, 101-104.	0.4	10
64	Using DOProC Method in Structural Reliability Assessment. Applied Mechanics and Materials, 0, 300-301, 860-869.	0.2	37
65	ProbCalc - An Efficient Tool for Probabilistic Calculations. Advanced Materials Research, 0, 969, 302-307.	0.3	7
66	Mathematical Modelling of Thin-Walled Cold-Rolled Cross-Section. Applied Mechanics and Materials, 0, 617, 171-174.	0.2	14
67	Material Study of a Short Seismic Link in a Dissipative Structure of a Vertical Industrial Boiler. Applied Mechanics and Materials, 0, 623, 10-17.	0.2	5
68	Validating a Computational Model of a Rooflight Steel Structure by Means of a Load Test. Applied Mechanics and Materials, 0, 501-504, 592-598.	0.2	12
69	An Experimental Testing of Fillet Welded Specimens. Applied Mechanics and Materials, 0, 752-753, 412-417.	0.2	2
70	Load Carrying Capacity of Steel Arch Reinforcement Taking into Account the Geometrical and Physical Nonlinearity. Applied Mechanics and Materials, 0, 821, 709-716.	0.2	4
71	3-D ESPI Measurements Applied to Selected Engineering Problems. Applied Mechanics and Materials, 0, 827, 65-68.	0.2	4
72	An Experimental Verification of the Applicability of Steels S235 and DD11 for Aseismic Structural Provisions. Materials Science Forum, 0, 893, 218-222.	0.3	1

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73	Experimental Assessment of Structural Damping of Industrial Boiler Structure. Key Engineering Materials, 0, 738, 195-204.	0.4	3
74	Parallelization of Computational Analysis of Reinforced Concrete Slabs on Foundation. Key Engineering Materials, 0, 738, 319-328.	0.4	1
75	Comparison of Calibration Functions for Short Edge Cracks under Selected Loads. Key Engineering Materials, 0, 754, 353-356.	0.4	11
76	Stochastic Modelling of Fatigue Crack Progression using the DOProC Method. , 0, , .		8