

Radim Halama

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

270
citations

840585

11
h-index

940416

16
g-index

31
all docs

31
docs citations

31
times ranked

218
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of mean stress and stress amplitude on uniaxial and biaxial ratcheting of ST52 steel and its prediction by the AbdelKarim-Ohno model. <i>International Journal of Fatigue</i> , 2016, 91, 313-321.	2.8	33
2	Prediction of Model Distortion by FEM in 3D Printing via the Selective Laser Melting of Stainless Steel AISI 316L. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1656.	1.3	25
3	Contact defects initiation in railroad wheels – Experience, experiments and modelling. <i>Wear</i> , 2011, 271, 174-185.	1.5	23
4	On flexural properties of additive manufactured composites: Experimental, and numerical study. <i>Composites Science and Technology</i> , 2022, 218, 109182.	3.8	23
5	Effect of stress amplitude on uniaxial ratcheting of aluminum alloy 2124-T851. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017, 48, 814-819.	0.5	21
6	Implementation of MAKOC cyclic plasticity model with memory. <i>Advances in Engineering Software</i> , 2017, 113, 34-46.	1.8	16
7	Numerical modeling of steel fillet welded joint. <i>Advances in Engineering Software</i> , 2018, 117, 59-69.	1.8	16
8	Mean stress effect in multiaxial fatigue limit criteria. <i>Archive of Applied Mechanics</i> , 2019, 89, 823-834.	1.2	16
9	Monotonic Tension-Torsion Experiments and FE Modeling on Notched Specimens Produced by SLM Technology from SS316L. <i>Materials</i> , 2021, 14, 33.	1.3	16
10	Modeling and Testing of Flexible Structures with Selected Planar Patterns Used in Biomedical Applications. <i>Materials</i> , 2021, 14, 140.	1.3	16
11	Uniaxial and Biaxial Ratcheting of ST52 Steel under Variable Amplitude Loading – Experiments and Modeling. <i>Procedia Engineering</i> , 2015, 101, 185-193.	1.2	11
12	Memorization and other Transient Effects of ST52 Steel and its FE Description. <i>Applied Mechanics and Materials</i> , 2013, 486, 48-53.	0.2	6
13	Mechanics of Herbert Pendulum Hardness Tester and its Application. <i>Key Engineering Materials</i> , 2017, 741, 122-127.	0.4	6
14	Material model identification from set of experiments and validation by DIC. <i>Mathematics and Computers in Simulation</i> , 2021, 189, 339-367.	2.4	6
15	Modelling the Strain Range Dependent Cyclic Hardening of SS304 and 08Ch18N10T Stainless Steel with a Memory Surface. <i>Metals</i> , 2019, 9, 832.	1.0	5
16	Validation of Multiaxial Fatigue Strength Criteria on Specimens from Structural Steel in the High-Cycle Fatigue Region. <i>Materials</i> , 2021, 14, 116.	1.3	5
17	Billet Straightening by Three-Point Bending and Its Automation. <i>Materials</i> , 2021, 14, 90.	1.3	5
18	Random vector approach to the calculation of the number of railway vehicles to hold in reserve. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2016, 230, 253-257.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Strain Range Dependent Cyclic Hardening of 08Ch18N10T Stainless Steel—Experiments and Simulations. <i>Materials</i> , 2019, 12, 4243.	1.3	3
20	Ratcheting Behaviour of 3D Printed and Conventionally Produced SS316L Material. , 2019, , .		3
21	Efficient lifetime estimation techniques for general multiaxial loading. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2
22	A new accelerated technique for validation of cyclic plasticity models. <i>MATEC Web of Conferences</i> , 2018, 157, 05008.	0.1	2
23	Two modifications of Jiang criterion for constant amplitude multiaxial loading of AA2124-T851 and SS316L. <i>Continuum Mechanics and Thermodynamics</i> , 2020, , 1.	1.4	2
24	An Approximate Method for Calculating Elastic—Plastic Stress and Strain on Notched Specimens. <i>Materials</i> , 2022, 15, 1432.	1.3	2
25	Implementation of the plasticity solver in the PermonCube software package. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	1
26	FE Prediction and Extrapolation of Multiaxial Ratcheting for R7T Steel. <i>Key Engineering Materials</i> , 2019, 810, 76-81.	0.4	1
27	Restoration and Possible Upgrade of a Historical Motorcycle Part Using Powder Bed Fusion. <i>Materials</i> , 2022, 15, 1460.	1.3	1
28	Cyclic Plastic Properties of a Lead Free Solder. <i>Key Engineering Materials</i> , 0, 810, 46-51.	0.4	0