

Riccardo Fincato

List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic plasticity model for fatigue with softening behaviour below macroscopic yielding. <i>Materials and Design</i> , 2019, 165, 107573.	7.0	42
2	Closest-point projection method for the extended subloading surface model. <i>Acta Mechanica</i> , 2017, 228, 4213-4233.	2.1	33
3	A return mapping algorithm for elastoplastic and ductile damage constitutive equations using the subloading surface method. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 113, 1729-1754.	2.8	27
4	Effects of weld geometry and HAZ property on low-cycle fatigue behavior of welded joint. <i>International Journal of Fatigue</i> , 2022, 156, 106683.	5.7	23
5	Numerical modeling of the evolution of ductile damage under proportional and non-proportional loading. <i>International Journal of Solids and Structures</i> , 2019, 160, 247-264.	2.7	20
6	Numerical study of a welded plate instability using the subloading surface model. <i>Marine Structures</i> , 2017, 55, 104-120.	3.8	16
7	A numerical study of the return mapping application for the subloading surface model. <i>Engineering Computations</i> , 2018, 35, 1314-1343.	1.4	16
8	Ductile behaviour of carbon steel for welded structures: Experiments and numerical simulations. <i>Journal of Constructional Steel Research</i> , 2020, 172, 106185.	3.9	16
9	Coupled elasto-viscoplastic and damage model accounting for plastic anisotropy and damage evolution dependent on loading conditions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 387, 114165.	6.6	15
10	An overstress elasto-viscoplasticity model for high/low cyclic strain rates loading conditions: Part I – Formulation and computational aspects. <i>International Journal of Solids and Structures</i> , 2020, 207, 279-294.	2.7	13
11	Tangential Plasticity Effect on Buckling Behavior of a Thin Wall Pier under Cyclic Loading Condition. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2015, 33, 161s-165s.	0.5	10
12	Effect of the stress triaxiality and Lode angle on the ductile damage evolution. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2017, 35, 185s-189s.	0.5	9
13	Effect of tangential plasticity on structural response under non-proportional cyclic loading. <i>Acta Mechanica</i> , 2019, 230, 2425-2446.	2.1	9
14	3D subsidence analyses above gas reservoirs accounting for an unconventional plasticity model. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2012, 36, 959-976.	3.3	8
15	3D crystal plasticity analyses on the role of hard/soft inclusions in the local slip formation. <i>International Journal of Fatigue</i> , 2020, 134, 105518.	5.7	8
16	Numerical and Experimental Study on Fatigue Life Extension of U-rib Steel Structure by Hammer Peening. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2017, 35, 169s-172s.	0.5	7
17	An overstress elasto-viscoplasticity model for high/low cyclic strain rates loading conditions: Part II – Numerical analyses. <i>International Journal of Solids and Structures</i> , 2021, 208-209, 247-261.	2.7	7
18	Numerical modelling of ductile damage mechanics coupled with an unconventional plasticity model. <i>Frattura Ed Integrita Strutturale</i> , 2016, 10, 231-236.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Fatigue performance of the slit end area of slotted CHS tube-to-gusset plate connection. Thin-Walled Structures, 2022, 173, 108920.	5.3	7
20	ASSEEMENT OF FATIGUE CRACK INITIATION LIFE OF JOINTS BY USING WELD POOR AND CYCLIC PLASTICITY ANALYSIS. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2018, 74, L_337-L_347.	0.1	6
21	NUMERICAL INVESTIGATION ON FATIGUE CRACK INITIATION AND PROPAGATION LIVES FOR NON-LOAD CARRYING FILLET WELDED JOINT CONSIDERING CYCLIC ELASTO-PLASTICITY RESPONSE OF STEEL. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2020, 76, L_143-L_152.	0.1	6
22	Cyclically Triggered Instability and Yield-vertex Effect on a Welded Plate Investigated by means of the Extended Subloading Surface Model with Tangential Plasticity. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 111s-115s.	0.5	5
23	FATIGUE CRACK INITIATION AND PROPAGATION LIFE OF STEELS PREDICTED BY LOCAL ELASTOPLASTICITY RESPONCE. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2019, 75, L_445-L_453.	0.1	5
24	Ductile Damage Evolution under Non-Proportional Loading. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2017, 73, L_355-L_361.	0.1	4
25	Ductile damage evolution law for proportional and non-proportional loading conditions. Frattura Ed Integrita Strutturale, 2019, 13, 231-246.	0.9	4
26	Ductile fracture modeling of metallic materials: a short review. Frattura Ed Integrita Strutturale, 2022, 16, 1-17.	0.9	3
27	Evaluation of the ductile fracture of Q460 steel under two different failure criteria. Procedia Structural Integrity, 2018, 9, 126-135.	0.8	2
28	Coupled damage-viscoplasticity model for metals under cyclic loading conditions. Procedia Structural Integrity, 2019, 18, 75-85.	0.8	2
29	A Crystal Plasticity FE Analysis Considering Mechanically Induced Martensitic Phase Transformation. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 102s-106s.	0.5	2
30	EFFECT OF LOCAL MATERIALS AND GEOMETRIES OF WELD JOINT ROOT ON FATIGUE CRACK INITIATION AND PROPAGATION LIFE. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2019, 75, L_467-L_476.	0.1	2
31	Fully implicit numerical integration of the Yoshida-Uemori two-surface plasticity model with isotropic hardening stagnation. Frattura Ed Integrita Strutturale, 2021, 15, 114-126.	0.9	1
32	NUMERICAL STUDY ON FATIGUE NOTCH SENSITIVITY OF HIGH AND MIDDLE STRENGTH CARBON STEELS FOR WELDED STRUCTURES. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2021, 77, L_145-L_153.	0.1	1
33	2912 ON CONVERGENCE RATE OF CUTTING-PLANE ALGORITHM IN NUMERICALANALYSES OF A CYCLIC PLASTICITY MODEL. The Proceedings of the Computational Mechanics Conference, 2013, 2013.26, _2912-1_-_2912-3_.	0.0	0
34	Development of Assessment Technology for Fatigue Strength of Weld Joints by a Numerical Simulation. Journal of Smart Processing, 2017, 6, 17-21.	0.1	0
35	Nonlinear Finite Element Analysis Considering Crystal Plasticity and Mechanically Induced Martensite Transformation. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2017, 86, 443-447.	0.1	0